Curiosity's Mars Hand Lens Imager (MAHLI) Mars Science Laboratory (MSL) Principal Investigator's Notebook: Sols 3424–3547

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Mars Science Laboratory (MSL) Mars Hand Lens Imager (MAHLI) Technical Report 0032

Cover photo

MAHLI view of the Avanavero sample extraction hole, created by Curiosity's drill on Sol 3512. The hole diameter is about 1.6 cm. The image was obtained on Sol 3528 and is illuminated by sunlight from the left, this is MAHLI image 3528MH0007740011203968C00.

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Note that pages are not numbered in this document because all of the *Range and Scale Information Sheets*, *Focus Merge Product Information Sheets*, and *MAHLI Image Comment Sheets* were inserted separately after creation using a word processing tool that differs from the one used for the text.

Abstract

Covering the time between Curiosity's 3424th and 3547th Martian days (sols) of operations in northern Gale crater, Mars, this document is a compilation of the Mars Science Laboratory (MSL) Mars Hand Lens Imager (MAHLI) Team's notes and information about MAHLI images and activities conducted during that period. The report includes brief sol-by-sol notes—written as the mission unfolded—regarding how the MAHLI instrument was used and significant events that occurred which impacted the MAHLI instrument or investigation. The document, further, contains information regarding range and scale (camera working distance and scale of in-focus elements of an image); the parent images, range, and scale information associated with each MAHLI focus merge product created onboard the instrument; and a description of the purpose and intent behind acquisition of each MAHLI image and creation of each onboard focus merge product. The MSL science team and rover engineers routinely used the information contained in this report during the course of the mission for tactical planning, strategic planning, and scientific analysis.

1 Introduction

1.1 Introduction and purpose

This document is a compilation of the Mars Hand Lens Imager (MAHLI) Team's notes and information about MAHLI images and activities that occurred during the Mars Science Laboratory (MSL) mission between Sols 3424 and 3547.

MAHLI is a 2-megapixel color camera with a focusable macro lens mounted on the turret at the end of a robotic arm aboard NASA's MSL rover, Curiosity (Edgett *et al.* 2012). The rover landed and began operation in northern Gale crater, Mars, on 6 August 2012 (Vasavada *et al.* 2014).

Each *Curiosity's Mars Hand Lens Imager (MAHLI) Mars Science Laboratory (MSL) Principal Investigator's Notebook* covers a specific period corresponding to a release of MAHLI data to the NASA Planetary Data System (PDS) Imaging Node (**http://pds-imaging.jpl.nasa.gov/**). As some MAHLI data can arrive from Mars months or years after a given release period, the publication of these reports typically lags behind the PDS release schedule by a period that varies from one occasion to the next, depending largely on when data acquired during that period arrive on Earth and when we have time to complete the *Principal Investigator's Notebook* report.

This report, *Curiosity's Mars Hand Lens Imager (MAHLI) Mars Science Laboratory (MSL) Principal Investigator's Notebook: Sols 3424–3547*, corresponds to MAHLI data Release 31 in the NASA PDS archives. These are data acquired 24 March 2022 through 30 July 2022.

1.2 Versions and change log

The enclosed materials were compiled as the MSL mission unfolded. That being the case, we might sometimes have made errors. The reader should be aware that this report might be corrected via release of a new version in the future.

A new version would also be created if new data from this report's period (Martian sols) are received from the instrument after an earlier version has been made available. This can occur because MAHLI can store data onboard the instrument for an indefinite period of time after acquisition. As a result, images are archived with the NASA PDS on the basis of when they are received on Earth, not when they are acquired on Mars.

Covering the Sol 3424 through 3547 period, this document is Version 1.

If this were a later version, this section would document the changes made relative to the previous.

2 Instrument activities for this period

This section captures day-by-day or sol-by-sol notes written by the MAHLI Team, as the mission unfolded, regarding how the MAHLI instrument was used or significant events that occurred which impacted the MAHLI instrument or investigation.

MAHLI Activities During Sols 3424 – 3547

milestone or field site	date (UTC)	Sol	camera positions	Parent images	Onboard focus merges	Notes
Driving to Hartle Loup on the Greenheugh Pediment	25 Mar 22	**3424**	0	0	5	Focus stack images from Sol 3423 were merged.
At Hartle Loup on the Greenheugh Pediment	26 Mar 22	**3425**	13	74	0	MAHLI imaged the DRT-brushed target Donkey_Trail and the target Burn_Mouth.
	28 Mar 22	**3427**	0	0	6	Focus stack images from Sol 3425 were merged.
	29 Mar 22	**3428**	14	124	0	MAHLI imaged the DRT-brushed target Venlaw, on which MAHLI acquired a 1x6 mosaic, and the target Broadfell.
	30 Mar 22	**3429**	0	0	12	Focus stack images from Sol 3428 were merged.
At Hartle Loup on the Greenheugh Pediment	02 Apr 22	**3432**	13	73	0	MAHLI imaged the targets Blue_Anchor and Baa.
	03 Apr 22	**3433**	0	0	5	Focus stack images from Sol 3432 were merged.
Traversing East on the Greenheugh pediment	06 Apr 22	**3436**	4	32	3	MAHLI imaged the target Broo and the focus stack images were merged.
Near Knap of Howar on the Greenheugh Pediment	09 Apr 22	**3439**	12	100	0	MAHLI imaged the targets Lodberrie and Sneuga and acquired a 1x3 mosaic from ~5 cm standoff on the target Inchbonny.
	10 Apr 22	**3440**	0	0	9	Focus stack images from Sol 3439 were merged.
At Feorachas on the Greenheugh Pediment	12 Apr 22	**3442**	15	102	9	MAHLI imaged the DRT-brushed target Brackenberry and the targets Skidbladner and Up_Helly_Aa. The focus stack images were also merged.
	14 Apr 22	**3444**	4	32	3	MAHLI imaged the target Dun and the focus stack images were merged.
Descending off the Greenheugh pediment	17 Apr 22/ 18 Apr 22	**3447**	8	49	4	MAHLI imaged the targets Spiggie_Beach and Bains_Beach as well as the wheel-rock contact of the rover left front wheel that was obstructing mobility. The focus stack images were also merged.
	19 Apr 22/ 20 Apr 22	**3449**	4	24	2	MAHLI imaged the target Runn and the REMS UV Sensor. The focus stack images were also merged.
Driving towards Avanavero Drill Site	22 Apr 22	**3451**	11	97	8	MAHLI imaged the target Rumblings, the DRT-brushed target Shandon and the target Nesting. The focus stack images were also merged.
	24 Apr 22	**3453**	12	79	0	MAHLI imaged the DRT-brushed target Delting and the target Rumblings. MAHLI also imaged the rover left front wheel as a follow-up to the imaging acquired on Sol 3447.
	25 Apr 22	**3454**	0	0	6	The focus stack images from Sol 3453 were merged.
	27 Apr 22	**3456**	3	23	2	MAHLI imaged the target Colla_Firth and the focus stack images were merged.

MAHLI Activities During Sols 3424 – 3547						
milestone or field site	**date (UTC)**	**Sol**	**camera positions**	**Parent images**	**Onboard focus merges**	**Notes**
Driving towards Avanavero Drill Site	29 Apr 22	**3458**	7	56	5	MAHLI imaged the targets Orton_Scar and Cow_Head and the focus stack images were merged.
	30 Apr 22	**3459**	10	65	0	MAHLI imaged the targets Castlecraig and Cat_Firth.
Driving towards Avanavero Drill Site	02 May 22	**3461**	0	0	5	Focus stack images from Sol 3459 were merged.
	03 May 22	**3462**	7	54	5	MAHLI imaged the targets Gran_Sabana and Berbice and the focus stack images were merged.
	06 May 22	**3465**	4	32	3	MAHLI imaged the targets Firina (2x1 mosaic) and Bartica and the focus stack images were merged.
	07 May 22	**3466**	12	72	6	MAHLI imaged the targets Bonfim, Kurupukari (4x1 mosaic) and Oshi and the focus stack images were merged.
	10 May 22	**3469**	6	44	4	MAHLI imaged the targets El_Oso and Parima and the focus stack images were also merged.
	12 May 22	**3471**	10	60	0	MAHLI imaged the DRT-brushed target Pastora and the target Tama_Tama.
	13 May 22	**3472**	0	0	5	Focus stack images from Sol 3471 were merged.
	14 May 22	**3473**	7	54	0	MAHLI imaged the DRT-brushed target San_Pedro and the target Pedra_Pintada.
	15 May 22	**3474**	0	0	5	Focus stack images from Sol 3473 were merged.
	17 May 22	**3476**	3	24	2	MAHLI imaged the target Aratana and the focus stack images were merged.
	19 May 22	**3478**	10	92	9	MAHLI acquired a 3x2 mosaic on the target Las_Claritas prior to brushing and then MAHLI imaged the DRT-brushed target Las_Claritas. The focus stack images were also merged.
	21 May 22	**3480**	10	76	0	MAHLI imaged the targets Maple_Creek and Apoteri as well as the DRT-brushed target Bamboo_Creek.
	22 May 22	**3481**	0	0	7	Focus stack images from Sol 3480 were merged.
	24 May 22	**3483**	4	32	3	MAHLI imaged the DRT-brushed target Imataca and the focus stack images were merged.
	26 May 22	**3485**	5	50	5	MAHLI imaged the target Cabo_Sobral, which included a 3x1 mosaic, and the focus stack images were merged.
	30 May 22	**3488**	9	50	4	MAHLI imaged the non-brushed region of the target Pitinga as well as the DRT-brushed region of the target Pitinga. The focus stack images were also merged.
Driving towards Avanavero Drill Site	02 Jun 22	**3491**	8	64	6	MAHLI imaged the DRT-brushed target Parepona and the target Cabadiscana. The focus stack images were also merged.
	03 Jun 22	**3492**	20	20	0	MAHLI imaged ≥ 360° of the 3 left wheels and right front wheel.
	04 Jun 22	**3493**	11	78	7	MAHLI acquired a 4x1 mosaic on the target Tabaco and imaged the DRT-brushed target Issano. The focus stack images were also merged.
	14 Jun 22	**3503**	9	100	8	MAHLI imaged the ChemCam RWEB window and internal hardware, the target Wandapa, on which a 3x1 mosaic was acquired, and the DRT-brushed target Omai. The focus stack images were also merged.
	16 Jun 22	**3505**	6	34	1	MAHLI imaged the target Tipuru, the sky, with the dust cover open and closed for flat fielding, and the REMS UV Sensor. The focus stack images were also merged.
	19 Jun 22	**3508**	9	83	7	MAHLI imaged the targets Kukui, Salto_Angel, and Opadai. The focus stack images were also merged.
At Avanavero Drill Site	22 Jun 22	**3511**	8	48	4	MAHLI imaged the intended drill target Avanavero before and after DRT and after a drill bit preload test; then the focus stack images were merged.
	23 Jun 22	**3512**	1	2	0	Drill preparation activities at the planned Avanavero sample extraction site. MAHLI imaged the intended site for the Avanavero sample discard pile.

MAHLI Activities During Sols 3424 – 3547						
milestone or field site	**date (UTC)**	**Sol**	**camera positions**	**Parent images**	**Onboard focus merges**	**Notes**
At Avanavero Drill Site	10 Jul 22	**3528**	3	6	0	MAHLI imaged the Avanavero drill hole and cuttings.
	12 Jul 22	**3530**	4	24	2	MAHLI imaged the Avanavero drill cuttings and the target La_Laja. The focus stack images were also merged.
Heading towards Paraitepuy Pass	13 Jul 22	**3531**	4	32	3	MAHLI imaged the target Uai_Uai and the focus stack images were merged.
	14 Jul 22	**3532**	11	97	0	MAHLI imaged the DRT-brushed target Seringa, the target La_Manare, and the target Caruai.
	15 Jul 22	**3533**	0	0	8	The focus stack images from Sol 3532 were merged.
	16 Jul 22	**3534**	11	102	0	MAHLI imaged the target Monte_Caburai and acquired a 2x3 mosaic on the boulder Ilha_Novo_Destino.
	17 Jul 22	**3535**	4	5	0	At night, MAHLI imaged inside the CheMin inlet for cleanliness.
	18 Jul 22	**3536**	0	0	10	Focus stack images from Sol 3534 were merged.
	19 Jul 22	**3537**	3	22	2	MAHLI imaged the target Cerro_Raya and the focus stack images were merged.
	21 Jul 22	**3539**	7	45	0	MAHLI imaged the targets Surama and Amajari as well as the wheel-surface interface of the rover right middle wheel.
	22 Jul 22	**3540**	0	0	4	Focus stack images from Sol 3539 were merged.
	23 Jul 22	**3541**	9	66	0	MAHLI imaged the targets Benhori_Bumoko and Serra_da_Mocidade as well as the DRT-brushed target Motocuruna.
	25 Jul 22	**3543**	0	0	6	Focus stack images from Sol 3541 were merged.
	26 Jul 22	**3544**	3	30	3	MAHLI imaged the target Tumereng and the focus stack images were merged.
	28 Jul 22	**3546**	7	56	0	MAHLI imaged the target Simoni and the DRT-brushed target Lilas.
	29 Jul 22	**3547**	0	0	10	Focus stack images from Sol 3546 were merged.

3 Helpful tips

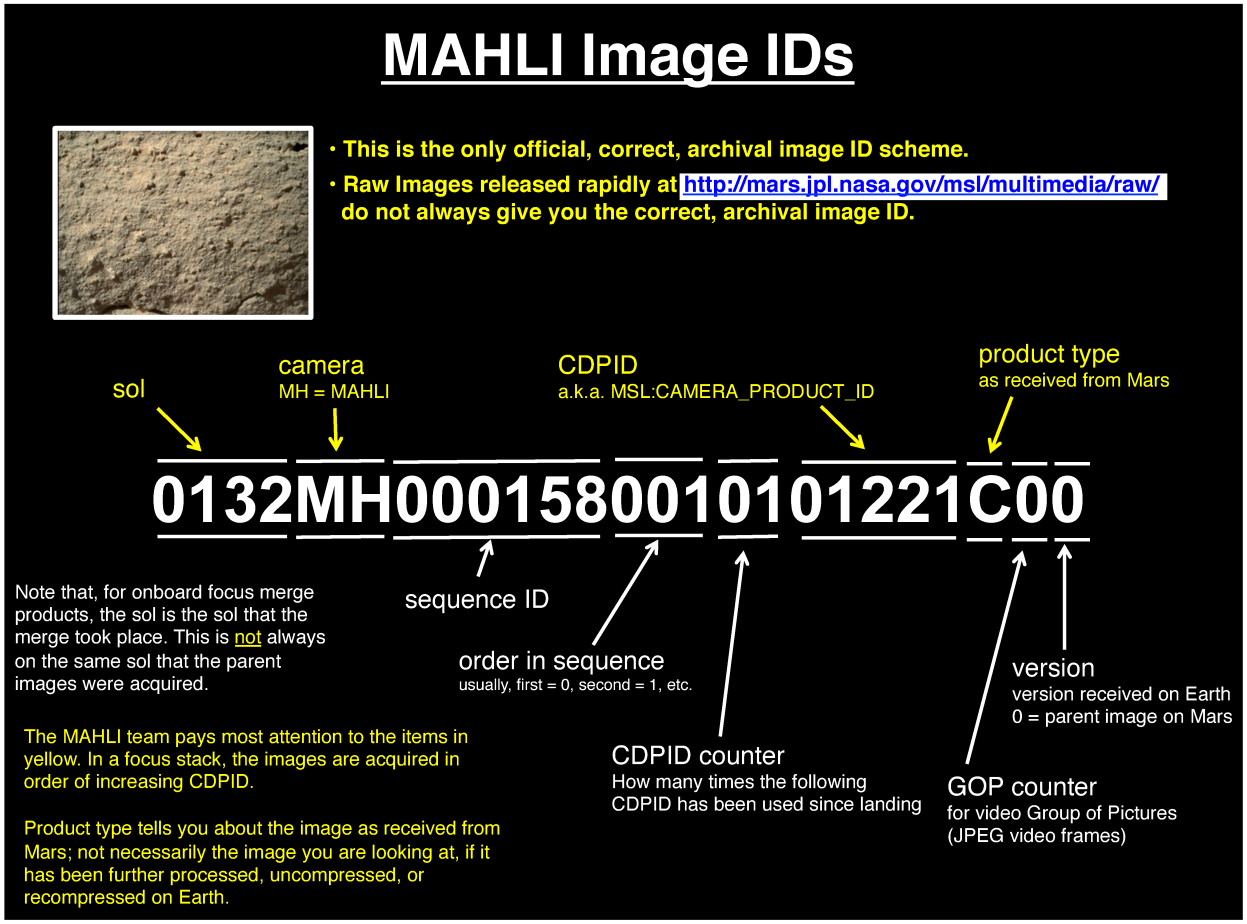
3.1 MAHLI instrument and investigation

Please refer to Edgett *et al.* (2012) for a description of the MAHLI instrument and investigation, Edgett *et al.* (2015) for information about the characterization and calibration of the instrument, and Yingst *et al.* (2016) for some of the lessons learned after ~1.5 Mars years of surface operations. Additional information on how the instrument and data have been used is in the paper by Minitti *et al.* (2013) and the extended abstract by Garvin *et al.* (2017).

3.2 MAHLI image IDs

MAHLI images and onboard focus merge products are identified by their image IDs. The following figure describes the information content of these IDs.

Note that raw images released within minutes of receipt on Earth to the public via the JPL-Caltech web site (**http://mars.jpl.nasa.gov/msl/multimedia/raw/**) do not necessarily have the correct, final, archival image IDs.



The NASA PDS archives include documentation that describes the MAHLI image ID and file naming scheme and the nature of the archived Experiment Data Record (EDR) and Reduced Data Record (RDR) products (Malin *et al*., 2013).

The EDR products, the raw data product, have the following file name scheme:

1 **[Image ID]_XXXX** – these are always 8-bit images except for the 16-bit products (type A) returned from MAHLI for calibration purposes.

The RDR products are of the following nature:

2 **[Image ID]_DRXX** – 16-bit depth (per band) relative radiometric calibrated color images,

3 **[Image ID]_DRLX** – 16-bit depth (per band) relative radiometric calibrated and geometric calibrated color images,

4 **[Image ID]_DRCX** – 8-bit relative radiometric calibrated images for which a color correction has been applied, and

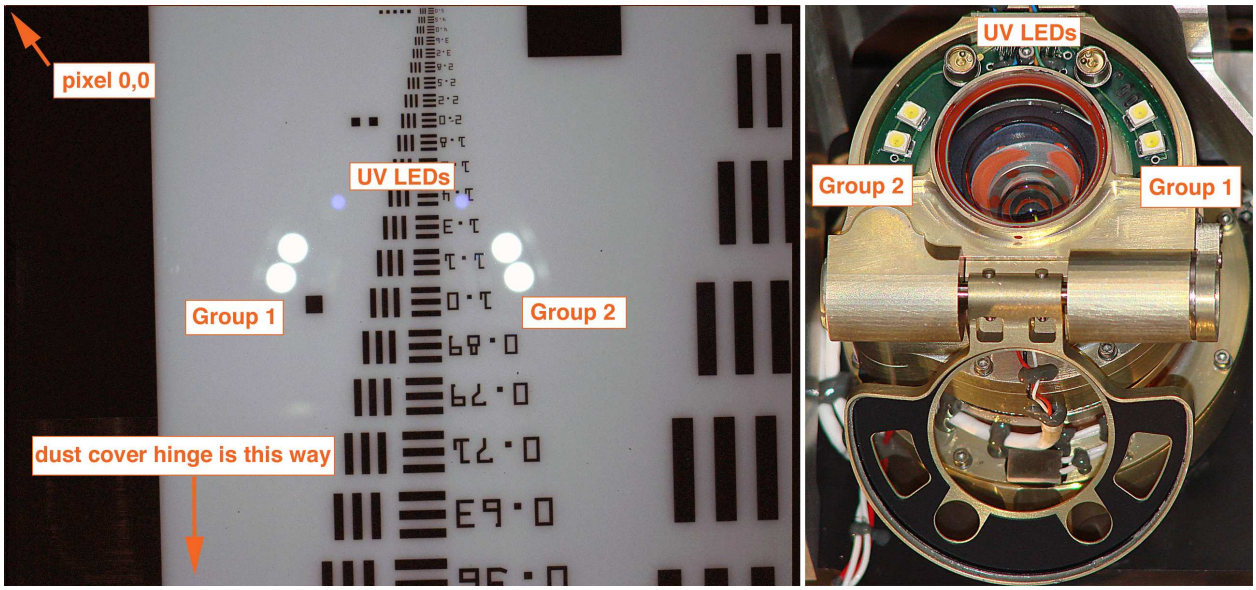
5 **[Image ID]_DRCL** – 8-bit relative radiometric and geometric calibrated images for which a color correction has been applied.

The following table describes the variety of image types (raw, lossless, JPEG, focus merge, thumbnail, *etc.*). Malin *et al.* (2013) described these in greater detail.

product type	product format
A	raster 16-bit image
B	raster 8-bit image
C	lossless compressed image
D	JPEG grayscale image
E	JPEG 4:2:2 color image
F	JPEG 4:4:4 color image
G	raster thumbnail of parent image
H	JPEG gray thumbnail of parent image
I	JPEG 4:4:4 thumbnail of parent image
J	raster 8-bit video frame
K	lossless compressed video frame
L	JPEG grayscale video frame
M	JPEG 4:2:2 color video frame
N	JPEG 4:4:4 color video frame
O	raster 8-bit thumbnail of video frame
P	JPEG gray thumbnail of video frame
Q	JPEG 4:4:4 thumbnail of video frame
R	focus merge best focus image product
S	focus merge range map product
T	focus merge best focus thumbnail
U	focus merge range map thumbnail
Types R and T are JPEG 4:4:4; S and U are JPEG grayscale products.	

3.3 MAHLI LED positions

The MAHLI camera head has two groups of two white light LEDS (Edgett *et al.* 2012), called Group 1 and Group 2. For reference, the figure below shows their location on the camera head and how these locations translate to positions relative to pixel 0,0 (column 0, row 0) on the MAHLI CCD. In addition, MAHLI has two 365 nm ultraviolet (UV) LEDs, also shown in the figure. Each group of two LEDs (Group 1, Group 2, and UV) can be operated together or independently with each of the other two groups. When the LEDs are used, which group was operated is reported in the RATIONALE_DESC description of the image intent and purpose (**Section 6**).



MAHLI image TVC_MH0809080020000032B00, left, shows the violet and white reflections of the UV and Group 1 and Group 2 white light LEDs, indicating their location in relation to the CCD's pixel at column 0, row 0. The photograph on the right shows the camera head with its dust cover open and LEDs labeled.

4 Camera range and scale information

4.1 Purpose and description

MAHLI *Range and Scale Information Sheets* (or "Distance and Scale Information Sheets") describe **(a)** the distance between the MAHLI camera and an imaged target, and **(b)** the scale of in-focus features in the image, based on knowledge of that distance. Usually, these are determined using the camera's stepper motor count focus position (Edgett *et al.* 2015).

These information sheets were created only for cases in which there was a need. Cases for which they are not usually created include those when the only MAHLI image(s) acquired on a given sol are **(a)** views of the landscape, focused at infinity; **(b)** intended to make a rover self-portrait mosaic; **(c)** sky flat field calibration data; or **(d)** routinely-acquired images of the rover wheels for inspection purposes.

For the Sol 3424–3547 period, *Range and Scale Information Sheets* were created for the following **Sols: 3425, 3428, 3432, 3436, 3439, 3442, 3444, 3447, 3449, 3451, 3453, 3456, 3458, 3459, 3462, 3465, 3466, 3469, 3471, 3473, 3476, 3478, 3480, 3483, 3485, 3488, 3491, 3492, 3493, 3503, 3505, 3508, 3511, 3512, 3528, 3530, 3531, 3532, 3534, 3535, 3537, 3539, 3541, 3544, 3546**.

The origin of the MAHLI *Range and Scale Information Sheets* was in the need for a rapid, tactical response from the MAHLI team to the Curiosity Rover Planners—the engineers tasked with operating the rover's mobility and robotic arm systems—for range-finding and image scale information derived from MAHLI's autofocus and focus merge capabilities. As described by Minitti *et al.* (2013), during the rover's first sample extraction campaign, conducted at the Rocknest eolian sand deposit in October–November 2012, the engineers elected to use MAHLI autofocus sub-frames to confirm their estimates of the range to the sand surface for subsequent scoop placement (Anderson *et al.* 2015). These *Range and Scale Information Sheets* were borne of that effort to provide the information almost as soon as the data arrived on Earth.

Presented in this section are the latest versions of the *Range and Scale Information Sheets*, for the above stated sols, as of the date of this *MAHLI Technical Report* publication. Most of these sheets were actively used during the MSL mission for tactical and strategic planning, as well as for the scientific analyses. Note that some of the sheets exhibit slightly different formatting from each other, as the formatting and content evolved over time.

The image IDs presented in these Information Sheets are the identifiers of the best, least-compressed version of the image received from Mars for a given camera position for the stated purpose (autofocus, imaging, range-finding, etc.). In cases for which only a thumbnail version of the image was received, the image ID is colored orange.

4.2 Formulae

4.2.1 Working distance

The working distance (d_w, in centimeters) presented in the *Range and Scale Information Sheets* was computed from the empirical relationship between working distance and motor count for the flight unit MAHLI when the dust cover is open (m_{open}) described by Edgett *et al.* (2015):

$$d_w = (a m_{open}^{-1} + b + c m_{open} + d m_{open}^{2} + e m_{open}^{3})^{-1}, \quad (1)$$

in which $a = 0.576786$, $b = -11.8479$, $c = 2.80153\times10^{-3}$, $d = -2.266488\times10^{-7}$, and $e = 6.26666\times10^{-12}$.

For the dust cover closed case (m_{closed}), Edgett *et al.* (2015) found that m_{closed} is related to m_{open} as follows:

$$m_{closed} = 17075 - m_{open}. \quad (2)$$

4.2.2 Standoff distance (RP distance; MAHLI toolframe +X distance)

The standoff distance (d_s, in centimeters) presented in the *Range and Scale Information Sheets* is 1.9 cm less than the MAHLI working distance (Edgett *et al.* 2015). Note that "standoff distance" is equivalent to "RP distance" and "MAHLI toolframe +X distance"; see **Section 7.1**). It is determined by subtracting 1.9 cm from the working distance (d_w) computed from motor count:

$$d_s = d_w - 1.9 \text{ cm} \quad (3)$$

4.2.3 Distance or range uncertainty estimate

Estimation approach applied to the Sol 0–945 *Range and Scale Information Sheets*

For the Sol 0–945 period (except Sol 687), the uncertainty in distance (whether expressed as d_w or d_s) was estimated using an early version of our team's understanding (Edgett *et al.* 2013) of the flight unit MAHLI depth of field (DOF; d_{old_DOF}, in centimeters) as a function of working distance (d_w).

The method for estimating the far range of the DOF, d_{old_far}, was:

$$d_{old\_far} = a d_w^{5} - b d_w^{4} + c d_w^{3} + d d_w^{2} + e d_w - f \quad (4)$$

in which $a = 2.067963396\times10^{-10}$, $b = 5.81503025785\times10^{-8}$, $c = 1.55563715379086\times10^{-5}$, $d = 1.78558768966003\times10^{-3}$, $e = 7.87243271888297\times10^{-3}$, and $f = 3.57047935299353\times10^{-2}$.

The method for estimating the near range of the DOF, d_{old_near}, was:

$$d_{old\_near} = -(a d_w^{5} + b d_w^{4} - c d_w^{3} + d d_w^{2} - e d_w + f) \quad (5)$$

in which $a = -9.6497783\times10^{-12}$, $b = 1.06050131902\times10^{-8}$, $c = 5.8615047292452\times10^{-6}$, $d = 2.42284468424977\times10^{-3}$, $e = 4.28714139095939\times10^{-3}$, and $f = 7.534391000189\times10^{-4}$.

The MAHLI *Range and Scale Information Sheets* added the absolute values of the near and far DOF, then divided by two, to provide an overall uncertainty, ± d_{old_DOF}, in centimeters:

$$\pm d_{old\_DOF} = ((-d_{old\_near}) + d_{old\_far})/2 \quad (6)$$

The ± d_{old_DOF} estimate was sufficient for using MAHLI as a range finder for subsequent scoop placement during the Rocknest sample extraction campaign (Minitti *et al.* 2013; Anderson *et al.* 2015).

Improved estimation method, used for Sol 687 and after Sol 945 *Range and Scale Information Sheets*

Later analysis refined our DOF estimate (Edgett *et al.* 2015), but these results arrived too late to be incorporated into most of the Sol 0–945 *Range and Scale Information Sheets*. That said, for small working distances (*e.g.*, < 20 cm), the results are about the same. As a function of dust cover open focus motor count (m_{open}), the near (d_{near}) and far (d_{far}) depth of field can be expressed, in centimeters, as:

$$d_{near} \text{ or } d_{far} = (a m_{open}^{-1} + b + c m_{open} + d m_{open}^{2} + e m_{open}^{3})^{-1}, \quad (7)$$

in which, for d_{near}, a = 1.03565, b = –11.9083, c = 2.82403×10^{-3}, d = -2.29003×10^{-7}, and e = 6.34332×10^{-12}; and, for d_{far}, a = 1.03438, b = –11.4118, c = 2.69297×10^{-3}, d = -2.17752×10^{-7}, and e = 6.02494×10^{-12}.

4.2.4 Pixel scale

The estimated pixel scale (p, in µm per pixel) is based on working distance (d_w) and applies only to the in-focus portions of a given image. We estimate the scale from the working distance (d_w) as described by Edgett *et al.* (2012):

$$p = 6.9001 + 3.5201 d_w. \quad (8)$$

4.2.5 Pixel scale uncertainty estimate

No estimation applied to the Sol 0–998 range and scale information sheets

No estimate of pixel scale uncertainty was applied to the MAHLI *Range and Scale Information Sheets* until Sol 999.

Estimation approach

Pixel scale uncertainty (p_{far}, p_{near}, ± $p_{uncertainty}$, in µm per pixel) can be estimated based on the depth of field (d_{far}, d_{near}, in centimeters; **Equation 7**) and pixel scale (p, in µm per pixel, **Equation 8**) as determined from working distance (d_w, in centimeters; **Equation 1**). The uncertainty applies only to the in-focus portions of a given image. The uncertainty can be estimated as follows (please round ± $p_{uncertainty}$ to the nearest 0.1 µm per pixel):

$$p_{far} = (6.9001 + 3.5201(d_w + d_{far})) - p, \quad (9)$$

$$p_{near} = p - (6.9001 + 3.5201(d_w + d_{near})), \text{ and} \quad (10)$$

$$\pm p_{uncertainty} = (p_{far} + p_{near})/2. \quad (11)$$

4.2.6 Image dimensions estimate

The image dimension estimates described in the MAHLI *Range and Scale Information Sheets* are computed by multiplying the estimated pixel scale (p) by the number of horizontal (columns) and vertical (rows) covered by the image. This simplistic approach, of course, assumes that the target is a plane parallel to the CCD.

last update: 29_March_2022

Sol 3425 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Donkey_Trail - before DRT													
mhli00190	**context view**	**intended standoff - 25 cm**											
	3425MH0001900011201629C00	1629	13020	26.3	24.4	-1.7	2.0	99.6	6.5	1608	1198	16.0	11.9
mhli00122	**medium-resolution view**	**intended standoff - 5 cm**											
	3425MH0001220011201631C00	1631	14049	6.5	4.6	-0.2	0.1	29.9	0.5	1608	1198	4.8	3.6
target named Burn_Mouth- quantitative relief model (QRM) data													
mhli00190	**context view**	**intended standoff - 25 cm**											
	3425MH0001900011201633C00	1633	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00173	**med res - stereo-1 & relief model position 1**	**intended standoff - 5 cm**											
	3425MH0001730011201635C00	1635	14008	6.8	4.9	-0.2	0.2	30.8	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3427MH0001630001201712R00		*range map product:*			3427MH0001630001201713S00				
mhli00173	**med res - stereo-2 & relief model position 2**	**intended standoff - 5 cm**											
	3425MH0001730011201645C00	1645	14009	6.8	4.9	-0.2	0.2	30.8	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3427MH0001630001201710R00		*range map product:*			3427MH0001630001201711S00				
mhli00705	**med res - relief model position 3**	**intended standoff - 5 cm**											
	3425MH0000705011201655C00	1655	14009	6.8	4.9	-0.2	0.2	30.8	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 4**	**intended standoff - 5 cm**											
	3425MH0000705011201657C00	1657	14004	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 5**	**intended standoff - 5 cm**											
	3425MH0000705011201659C00	1659	14004	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
mhli00838	**high resolution view**	**intended standoff - 1 cm**											
	3425MH0000838011201661C00	1661	15132	2.8	0.9	-0.1	0.1	16.7	0.2	1608	1198	2.7	2.0
	corresponding focus merge products:	*best focus product:*		3427MH0001630001201708R00		*range map product:*			3427MH0001630001201709S00				
target named Donkey_Trail - after DRT													
mhli00190	**context view**	**intended standoff - 25 cm**											
	3425MH0001900011201671C00	1671	13022	26.2	24.3	-1.7	2.0	99.2	6.5	1608	1198	16.0	11.9
mhli00168	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3425MH0001680011201673C00	1673	14047	6.5	4.6	-0.2	0.1	29.9	0.5	1608	1198	4.8	3.6
	corresponding focus merge products:	*best focus product:*		3427MH0001630001201706R00		*range map product:*			3427MH0001630001201707S00				
mhli00168	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3425MH0001680011201683C00	1683	14047	6.5	4.6	-0.2	0.1	29.9	0.5	1608	1198	4.8	3.6
	corresponding focus merge products:	*best focus product:*		3427MH0001630001201704R00		*range map product:*			3427MH0001630001201705S00				
mhli00743	**high resolution view**	**intended standoff - 1 cm**											
	3425MH0000743011201693C00	1693	15236	2.6	0.7	0.0	0.1	16.0	0.2	1608	1198	2.6	1.9
	corresponding focus merge products:	*best focus product:*		3427MH0001630001201702R00		*range map product:*			3427MH0001630001201703S00				

last update: 05_April_2022

Sol 3428 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Venlaw - after DRT													
mhli00190	**context view**	intended standoff - 25 cm											
	3428MH0001900011201715C00	1715	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00299	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3428MH0002990011201717C00	1717	13988	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201860R00				*range map product:*	3429MH0004580001201861S00				
mhli00299	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3428MH0002990011201727C00	1727	13993	6.9	5.0	-0.2	0.2	31.2	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201858R00				*range map product:*	3429MH0004580001201859S00				
mhli00302	**high resolution view**	intended standoff - 2 cm											
	3428MH0003020011201737C00	1737	14651	3.9	2.0	-0.1	0.1	20.7	0.3	1608	1198	3.3	2.5
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201856R00				*range map product:*	3429MH0004580001201857S00				
target named Venlaw - a 1 x 6 mosaic													
mhli00342	**position 1 of 6**	intended standoff - 10 cm											
	3428MH0003420011201747C00	1747	13555	11.1	9.2	-0.4	0.3	45.8	1.2	1608	1198	7.4	5.5
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201854R00				*range map product:*	3429MH0004580001201855S00				
mhli00342	**position 2 of 6**	intended standoff - 10 cm											
	3428MH0003420011201757C00	1757	13560	11.0	9.1	-0.4	0.3	45.6	1.2	1608	1198	7.3	5.5
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201852R00				*range map product:*	3429MH0004580001201853S00				
mhli00342	**position 3 of 6**	intended standoff - 10 cm											
	3428MH0003420011201767C00	1767	13580	10.7	8.8	-0.3	0.3	44.7	1.2	1608	1198	7.2	5.3
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201850R00				*range map product:*	3429MH0004580001201851S00				
mhli00342	**position 4 of 6**	intended standoff - 10 cm											
	3428MH0003420011201777C00	1777	13602	10.4	8.5	-0.3	0.3	43.7	1.1	1608	1198	7.0	5.2
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201848R00				*range map product:*	3429MH0004580001201849S00				
mhli00342	**position 5 of 6**	intended standoff - 10 cm											
	3428MH0003420011201787C00	1787	13730	9.0	7.1	-0.3	0.2	38.7	0.9	1608	1198	6.2	4.6
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201846R00				*range map product:*	3429MH0004580001201847S00				
mhli00342	**position 6 of 6**	intended standoff - 10 cm											
	Note: **The standoff distance ended up being closer than anticipated; thus the camera was unable to find focus using the commanded autofocus range. The range and scale reported below are for the parts of the image that are in-focus at this motor count.**												
	3428MH0003420011201797C00	1797	13878	7.7	5.8	-0.2	0.2	34.1	0.7	1608	1198	5.5	4.1
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201844R00				*range map product:*	3429MH0004580001201845S00				
target named Broadfell													
mhli00190	**context view**	intended standoff - 25 cm											
	3428MH0001900011201807C00	1807	13015	26.6	24.7	-1.8	2.0	100.7	6.7	1608	1198	16.2	12.1
mhli00308	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3428MH0003080011201809C00	1809	13943	7.2	5.3	-0.2	0.2	32.4	0.6	1608	1198	5.2	3.9
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201842R00				*range map product:*	3429MH0004580001201843S00				
mhli00308	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3428MH0003080011201819C00	1819	13962	7.1	5.2	-0.2	0.2	31.9	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201840R00				*range map product:*	3429MH0004580001201841S00				
mhli00716	**high resolution view**	intended standoff - 1 cm											
	3428MH0007160011201829C00	1829	14955	3.1	1.2	-0.1	0.1	17.9	0.2	1608	1198	2.9	2.1
	corresponding focus merge products:	*best focus product:*		3429MH0004580001201838R00				*range map product:*	3429MH0004580001201839S00				

last update: 04_April_2022

Sol 3432 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Blue_Anchor - quantitative relief model (QRM) data													
mhli00706	**context view**	intended standoff - 25 cm											
	3432MH0007060011201863C00	1863	13013	26.8	24.9	-1.8	2.0	101.1	6.8	1608	1198	16.3	12.1
mhli00708	**med res - stereo-1 & relief model position 1**	intended standoff - 5 cm											
	3432MH0007080011201866C00	1866	13963	7.1	5.2	-0.2	0.2	31.9	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3433MH0002270001201943R00				*range map product:*	3433MH0002270001201944S00				
mhli00708	**med res - stereo-2 & relief model position 2**	intended standoff - 5 cm											
	3432MH0007080011201877C00	1877	13921	7.4	5.5	-0.2	0.2	32.9	0.6	1608	1198	5.3	3.9
	corresponding focus merge products:	*best focus product:*		3433MH0002270001201941R00				*range map product:*	3433MH0002270001201942S00				
mhli00705	**med res - relief model position 3**	intended standoff - 5 cm											
	3432MH0007050011201888C00	1888	13955	7.1	5.2	-0.2	0.2	32.1	0.6	1608	1198	5.2	3.8
mhli00705	**med res - relief model position 4**	intended standoff - 5 cm											
	3432MH0007050011201890C00	1890	13988	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 5**	intended standoff - 5 cm											
	3432MH0007050011201892C00	1892	13963	7.1	5.2	-0.2	0.2	31.9	0.6	1608	1198	5.1	3.8
mhli00795	**high resolution view**	intended standoff - 2 cm											
	3432MH0007950011201894C00	1894	14616	4.0	2.1	-0.1	0.1	21.1	0.3	1608	1198	3.4	2.5
	corresponding focus merge products:	*best focus product:*		3433MH0002270001201939R00				*range map product:*	3433MH0002270001201940S00				
target named Baa - quantitative relief model (QRM) data													
mhli00706	**context view**	intended standoff - 25 cm											
	3432MH0007060011201905C00	1905	13032	25.6	23.7	-1.7	1.9	97.1	6.2	1608	1198	15.6	11.6
mhli00803	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3432MH0008030011201908C00	1908	14185	5.8	3.9	-0.1	0.1	27.2	0.4	1608	1198	4.4	3.3
	corresponding focus merge products:	*best focus product:*		3433MH0002270001201937R00				*range map product:*	3433MH0002270001201938S00				
mhli00803	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3432MH0008030011201919C00	1919	14173	5.8	3.9	-0.1	0.1	27.4	0.4	1608	1198	4.4	3.3
	corresponding focus merge products:	*best focus product:*		3433MH0002270001201935R00				*range map product:*	3433MH0002270001201936S00				
mhli00705	**med res - relief model position 3**	intended standoff - 5 cm											
	3432MH0007050011201930C00	1930	14178	5.8	3.9	-0.1	0.1	27.3	0.4	1608	1198	4.4	3.3
mhli00705	**med res - relief model position 4**	intended standoff - 5 cm											
	3432MH0007050011201932C00	1932	14190	5.7	3.8	-0.1	0.1	27.1	0.4	1608	1198	4.4	3.2
mhli00705	**med res - relief model position 5**	intended standoff - 5 cm											
	3432MH0007050011201934C00	1934	14189	5.7	3.8	-0.1	0.1	27.1	0.4	1608	1198	4.4	3.3

last update: 08_April_2022

Sol 3436 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Broo													
mhli00190	**context view**	intended standoff - 25 cm											
	3436MH0001900011201946C00	1946	13021	26.3	24.4	-1.7	2.0	99.4	6.5	1608	1198	16.0	11.9
mhli00168	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3436MH0001680011201948C00	1948	14039	6.6	4.7	-0.2	0.1	30.1	0.5	1608	1198	4.8	3.6
	corresponding focus merge products:	*best focus product:*		3436MH0001930001201981R00				*range map product:*	3436MH0001930001201982S00				
mhli00168	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3436MH0001680011201958C00	1958	14042	6.6	4.7	-0.2	0.1	30.0	0.5	1608	1198	4.8	3.6
	corresponding focus merge products:	*best focus product:*		3436MH0001930001201979R00				*range map product:*	3436MH0001930001201980S00				
mhli00302	**high resolution view**	intended standoff - 2 cm											
	3436MH0003020011201968C00	1968	14764	3.6	1.7	-0.1	0.1	19.6	0.2	1608	1198	3.2	2.3
	corresponding focus merge products:	*best focus product:*		3436MH0001930001201977R00				*range map product:*	3436MH0001930001201978S00				

last update: 11_April_2022

Sol 3439 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Lodberrie													
mhli00706	**context view**	intended standoff - 25 cm											
	3439MH0007060011201984C00	1985	13011	26.9	25.0	-1.8	2.1	101.6	6.8	1608	1198	16.3	12.2
mhli00723	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3439MH0007230011201987C00	1987	13994	6.9	5.0	-0.2	0.2	31.1	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*	3440MH0005360001202099R00				*range map product:*	3440MH0005360001202100S00					
mhli00723	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3439MH0007230011201998C00	1998	14003	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*	3440MH0005360001202097R00				*range map product:*	3440MH0005360001202098S00					
mhli00746	**high resolution view**	intended standoff - 2 cm											
	3439MH0007460011202009C00	2009	14687	3.8	1.9	-0.1	0.1	20.4	0.3	1608	1198	3.3	2.4
	corresponding focus merge products:	*best focus product:*	3440MH0005360001202095R00				*range map product:*	3440MH0005360001202096S00					
target named Sneuga													
mhli00190	**context view**	intended standoff - 25 cm											
	3439MH0001900011202020C00	2020	13013	26.8	24.9	-1.8	2.0	101.1	6.8	1608	1198	16.3	12.1
mhli00152	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3439MH0001520011202022C00	2022	13977	7.0	5.1	-0.2	0.2	31.5	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*	3440MH0005360001202093R00				*range map product:*	3440MH0005360001202094S00					
mhli00152	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3439MH0001520011202032C00	2032	13983	7.0	5.1	-0.2	0.2	31.4	0.6	1608	1198	5.0	3.8
	corresponding focus merge products:	*best focus product:*	3440MH0005360001202091R00				*range map product:*	3440MH0005360001202092S00					
mhli00176	**high resolution view**	intended standoff - 2 cm											
	3439MH0001760011202042C00	2042	14623	4.0	2.1	-0.1	0.1	21.0	0.3	1608	1198	3.4	2.5
	corresponding focus merge products:	*best focus product:*	3440MH0005360001202089R00				*range map product:*	3440MH0005360001202090S00					
target named Inchbonny- a 1 x 3 mosaic from 5 cm standoff													
mhli00190	**context view**	intended standoff - 25 cm											
	3439MH0001900011202052C00	2052	13053	24.5	22.6	-1.5	1.7	93.1	5.7	1608	1198	15.0	11.2
mhli00299	**position 1 of 3**	intended standoff - 5 cm											
	3439MH0002990011202054C00	2054	14181	5.8	3.9	-0.1	0.1	27.3	0.4	1608	1198	4.4	3.3
	corresponding focus merge products:	*best focus product:*	3440MH0005360001202087R00				*range map product:*	3440MH0005360001202088S00					
mhli00299	**position 2 of 3**	intended standoff - 5 cm											
	3439MH0002990011202064C00	2064	14063	6.4	4.5	-0.1	0.1	29.6	0.5	1608	1198	4.8	3.5
	corresponding focus merge products:	*best focus product:*	3440MH0005360001202085R00				*range map product:*	3440MH0005360001202086S00					
mhli00299	**position 3 of 3**	intended standoff - 5 cm											
	3439MH0002990011202074C00	2074	14012	6.8	4.9	-0.2	0.2	30.7	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*	3440MH0005360001202083R00				*range map product:*	3440MH0005360001202084S00					

last update: 13_April_2022

Sol 3442 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Brackenberry - before DRT													
mhli00190	**context view**	**intended standoff - 25 cm**											
	3442MH0001900011202102C00	2102	13016	26.6	24.7	-1.8	2.0	100.5	6.7	1608	1198	16.2	12.0
mhli00122	**medium-resolution view**	**intended standoff - 5 cm**											
	3442MH0001220011202104C00	2104	13969	7.1	5.2	-0.2	0.2	31.7	0.6	1608	1198	5.1	3.8
target named Brackenberry - after DRT													
mhli00190	**context view**	**intended standoff - 25 cm**											
	3442MH0001900011202106C00	2106	13017	26.5	24.6	-1.8	2.0	100.3	6.6	1608	1198	16.1	12.0
mhli00168	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3442MH0001680011202108C00	2108	13967	7.1	5.2	-0.2	0.2	31.8	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*	3442MH0005360001202219R00			*range map product:*	3442MH0005360001202220S00						
mhli00168	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3442MH0001680011202118C00	2118	13974	7.0	5.1	-0.2	0.2	31.6	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*	3442MH0005360001202217R00			*range map product:*	3442MH0005360001202218S00						
mhli00302	**high resolution view**	**intended standoff - 2 cm**											
	3442MH0003020011202128C00	2128	14600	4.1	2.2	-0.1	0.1	21.3	0.3	1608	1198	3.4	2.5
	corresponding focus merge products:	*best focus product:*	3442MH0005360001202215R00			*range map product:*	3442MH0005360001202216S00						
target named Skidbladner - 2x1 mosaic from 25 cm													
mhli00190	**position 1 of 2**	**intended standoff - 25 cm**											
	3442MH0001900011202138C00	2138	13024	26.1	24.2	-1.7	1.9	98.8	6.4	1608	1198	15.9	11.8
mhli00190	**position 2 of 2**	**intended standoff - 25 cm**											
	3442MH0001900011202140C00	2140	13011	26.9	25.0	-1.8	2.1	101.6	6.8	1608	1198	16.3	12.2
mhli00173	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3442MH0001730011202142C00	2142	13961	7.1	5.2	-0.2	0.2	31.9	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*	3442MH0005360001202213R00			*range map product:*	3442MH0005360001202214S00						
mhli00173	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3442MH0001730011202152C00	2152	13956	7.1	5.2	-0.2	0.2	32.0	0.6	1608	1198	5.2	3.8
	corresponding focus merge products:	*best focus product:*	3442MH0005360001202211R00			*range map product:*	3442MH0005360001202212S00						
mhli00184	**high resolution view**	**intended standoff - 2 cm**											
	3442MH0001840011202162C00	2162	14607	4.1	2.2	-0.1	0.1	21.2	0.3	1608	1198	3.4	2.5
	corresponding focus merge products:	*best focus product:*	3442MH0005360001202209R00			*range map product:*	3442MH0005360001202210S00						
target named Up_Helly_Aa													
mhli00190	**context view**	**intended standoff - 25 cm**											
	3442MH0001900011202172C00	2172	13016	26.6	24.7	-1.8	2.0	100.5	6.7	1608	1198	16.2	12.0
mhli00224	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3442MH0002240011202174C00	2174	13988	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*	3442MH0005360001202207R00			*range map product:*	3442MH0005360001202208S00						
mhli00224	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3442MH0002240011202184C00	2184	13988	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*	3442MH0005360001202205R00			*range map product:*	3442MH0005360001202206S00						
mhli00176	**high resolution view**	**intended standoff - 2 cm**											
	3442MH0001760011202194C00	2194	14652	3.9	2.0	-0.1	0.1	20.7	0.3	1608	1198	3.3	2.5
	corresponding focus merge products:	*best focus product:*	3442MH0005360001202203R00			*range map product:*	3442MH0005360001202204S00						

last update: 15_April_2022

Sol 3444 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Dun													
mhli00172	**context view**	intended standoff - 20 cm											
	3444MH0001720011202222C00	2222	13108	21.9	20.0	-1.2	1.3	83.9	4.5	1608	1198	13.5	10.0
mhli00306	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3444MH0003060011202224C00	2224	13968	7.1	5.2	-0.2	0.2	31.7	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3444MH0001930001202257R00				*range map product:*		3444MH0001930001202258S00			
mhli00306	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3444MH0003060011202234C00	2234	13977	7.0	5.1	-0.2	0.2	31.5	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3444MH0001930001202255R00				*range map product:*		3444MH0001930001202256S00			
mhli00311	**high resolution view**	intended standoff - 2 cm											
	3444MH0003110011202244C00	2244	14610	4.1	2.2	-0.1	0.1	21.2	0.3	1608	1198	3.4	2.5
	corresponding focus merge products:	*best focus product:*		3444MH0001930001202253R00				*range map product:*		3444MH0001930001202254S00			

last update: 14_June_2022

Sol 3447 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Spiggie_Beach													
mhli00190	**context view**	**intended standoff - 25 cm**											
	3447MH0001900011202260C00	2260	13030	25.8	23.9	-1.7	1.9	97.6	6.3	1608	1198	15.7	11.7
mhli00297	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3447MH0002970011202262C00	2262	14151	5.9	4.0	-0.1	0.1	27.8	0.5	1608	1198	4.5	3.3
	corresponding focus merge products:	*best focus product:*		3447MH0008170001202314R00			*range map product:*		3447MH0008170001202315S00				
mhli00297	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3447MH0002970011202272C00	2272	14117	6.1	4.2	-0.1	0.1	28.5	0.5	1608	1198	4.6	3.4
	corresponding focus merge products:	*best focus product:*		3447MH0008170001202312R00			*range map product:*		3447MH0008170001202313S00				
target named Bains_Beach													
mhli00706	**context view**	**intended standoff - 25 cm**											
	3447MH0007060011202282C00	2282	13042	25.1	23.2	-1.6	1.8	95.2	5.9	1608	1198	15.3	11.4
mhli00740	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3447MH0007400011202285C00	2285	14281	5.3	3.4	-0.1	0.1	25.6	0.4	1608	1198	4.1	3.1
	corresponding focus merge products:	*best focus product:*		3447MH0008170001202310R00			*range map product:*		3447MH0008170001202311S00				
mhli00740	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3447MH0007400011202296C00	2296	14287	5.3	3.4	-0.1	0.1	25.5	0.4	1608	1198	4.1	3.1
	corresponding focus merge products:	*best focus product:*		3447MH0008170001202308R00			*range map product:*		3447MH0008170001202309S00				
left front rover wheel/rock contact – mobility obstruction assessment													
mhli00262	**left (port) front wheel**												
	manual focus	**intended distance to wheel-rock contact: ~112 cm**											
	3447MH0002620001202306E01	2306	12660	~113	~111	~-27	~50	~400	~135	1608	1198	~64	~48
mhli00262	**left (port) front wheel**												
	manual focus	**intended distance to wheel-rock contact: ~112 cm**											
	3447MH0002620001202307E01	2307	12660	~113	~111	~-27	~50	~400	~135	1608	1198	~64	~48

last update: 20_April_2022

Sol 3449 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Runn													
mhli00190	**context view**	intended standoff - 25 cm											
	3449MH0001900011202317C00	2317	13023	26.2	24.3	-1.7	1.9	99.0	6.5	1608	1198	15.9	11.9
mhli00224	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3449MH0002240011202319C00	2319	14027	6.7	4.8	-0.2	0.1	30.4	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3449MH0002650001202342R00		*range map product:*			3449MH0002650001202343S00				
mhli00224	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3449MH0002240011202329C00	2329	14030	6.7	4.8	-0.2	0.1	30.3	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3449MH0002650001202340R00		*range map product:*			3449MH0002650001202341S00				
REMS UV sensor													
mhli00095	**standard viewing position**	intended standoff: ~15 cm											
	3449MH0000950011202339C00	2339	13259	16.7	14.8	-0.7	0.8	65.8	2.7	1608	1198	10.6	7.9

last update: 22_April_2022

Sol 3451 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Rumblings													
mhli00842	**context view**	**intended standoff - 25 cm**											
	3451MH0008420011202345C00	2345	13036	25.4	23.5	-1.6	1.8	96.3	6.1	1608	1198	15.5	11.5
mhli00843	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3451MH0008430011202348C00	2348	14221	5.6	3.7	-0.1	0.1	26.6	0.4	1608	1198	4.3	3.2
	corresponding focus merge products:	*best focus product:*		3451MH0001700001202455R00				*range map product:*	3451MH0001700001202456S00				
mhli00843	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3451MH0008430011202359C00	2359	14212	5.6	3.7	-0.1	0.1	26.7	0.4	1608	1198	4.3	3.2
	corresponding focus merge products:	*best focus product:*		3451MH0001700001202453R00				*range map product:*	3451MH0001700001202454S00				
target named Shandon - after DRT													
mhli00706	**context view**	**intended standoff - 25 cm**											
	3451MH0007060011202370C00	2370	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00763	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3451MH0007630011202373C00	2373	13989	6.9	5.0	-0.2	0.2	31.2	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3451MH0001700001202451R00				*range map product:*	3451MH0001700001202452S00				
mhli00763	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3451MH0007630011202384C00	2384	13988	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3451MH0001700001202449R00				*range map product:*	3451MH0001700001202450S00				
mhli00824	**high resolution view**	**intended standoff - 2 cm**											
	3451MH0008240011202395C00	2395	14648	3.9	2.0	-0.1	0.1	20.8	0.3	1608	1198	3.3	2.5
	corresponding focus merge products:	*best focus product:*		3451MH0001700001202447R00				*range map product:*	3451MH0001700001202448S00				
target named Nesting													
mhli00706	**context view**	**intended standoff - 25 cm**											
	3451MH0007060011202406C00	2406	13005	27.3	25.4	-1.9	2.1	102.9	7.0	1608	1198	16.5	12.3
mhli00699	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3451MH0006990011202409C00	2409	14013	6.8	4.9	-0.2	0.2	30.7	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3451MH0001700001202445R00				*range map product:*	3451MH0001700001202446S00				
mhli00699	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3451MH0006990011202420C00	2420	14004	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3451MH0001700001202443R00				*range map product:*	3451MH0001700001202444S00				
mhli00824	**high resolution view**	**intended standoff - 2 cm**											
	3451MH0008240011202431C00	2431	14718	3.7	1.8	-0.1	0.1	20.0	0.3	1608	1198	3.2	2.4
	corresponding focus merge products:	*best focus product:*		3451MH0001700001202441R00				*range map product:*	3451MH0001700001202442S00				

last update: 02_February_2023

Sol 3453 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Delting - after DRT - quantitative relief model (QRM) data													
mhli00706	**context view**	intended standoff - 25 cm											
	3453MH0007060011202458C00	2458	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00763	**med res - stereo-1 & relief model position 1**	intended standoff - 5 cm											
	3453MH0007630011202461C00	2461	13998	6.9	5.0	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3454MH0001630001202546R00				*range map product:*	3454MH0001630001202547S00				
mhli00763	**med res - stereo-2 & relief model position 2**	intended standoff - 5 cm											
	3453MH0007630011202472C00	2472	13999	6.9	5.0	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3454MH0001630001202544R00				*range map product:*	3454MH0001630001202545S00				
mhli00705	**med res - relief model position 3**	intended standoff - 5 cm											
	3453MH0007050011202483C00	2483	13997	6.9	5.0	-0.2	0.2	31.1	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 4**	intended standoff - 5 cm											
	3453MH0007050011202485C00	2485	13999	6.9	5.0	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 5**	intended standoff - 5 cm											
	3453MH0007050011202487C00	2487	13999	6.9	5.0	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
mhli00813	**high resolution view**	intended standoff - 2 cm											
	3453MH0008130011202489C00	2489	14691	3.8	1.9	-0.1	0.1	20.3	0.3	1608	1198	3.3	2.4
	corresponding focus merge products:	*best focus product:*		3454MH0001630001202542R00				*range map product:*	3454MH0001630001202543S00				
target named Rumblings													
mhli00706	**context view**	intended standoff - 25 cm											
	3453MH0007060011202500C00	2500	13017	26.5	24.6	-1.8	2.0	100.3	6.6	1608	1198	16.1	12.0
mhli00709	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3453MH0007090011202503C00	2503	14026	6.7	4.8	-0.2	0.1	30.4	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3454MH0001630001202540R00				*range map product:*	3454MH0001630001202541S00				
mhli00709	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3453MH0007090011202514C00	2514	13994	6.9	5.0	-0.2	0.2	31.1	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3454MH0001630001202538R00				*range map product:*	3454MH0001630001202539S00				
mhli00711	**high resolution view**	intended standoff - 2 cm											
	3453MH0007110011202525C00	2525	14737	3.7	1.8	-0.1	0.1	19.9	0.2	1608	1198	3.2	2.4
	corresponding focus merge products:	*best focus product:*		3454MH0001630001202536R00				*range map product:*	3454MH0001630001202537S00				
left front rover wheel – Sol 3447 mobility obstruction assessment follow-up													
mhli00262	**left (port) front wheel**												
	manual focus	intended distance to wheel: ~112 cm											
	3453MH0002620001202535E02	2535	12660	~113	~111	~-27	~50	~400	~135	1608	1198	~64	~48

last update: 27_April_2022

Sol 3456 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Colla_Firth													
mhli00706	**context view**	intended standoff - 25 cm											
	3456MH0007060011202549C00	2549	13025	26.0	24.1	-1.7	1.9	98.6	6.4	1608	1198	15.9	11.8
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3456MH0001820011202552C00	2552	14062	6.5	4.6	-0.1	0.1	29.6	0.5	1608	1198	4.8	3.5
	corresponding focus merge products:	*best focus product:*		3456MH0002650001202573R00				*range map product:*		3456MH0002650001202574S00			
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3456MH0001820011202562C00	2562	14064	6.4	4.5	-0.1	0.1	29.6	0.5	1608	1198	4.8	3.5
	corresponding focus merge products:	*best focus product:*		3456MH0002650001202571R00				*range map product:*		3456MH0002650001202572S00			

last update: 29_April_2022

Sol 3458 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Orton_Scar													
mhli00706	**context view**	intended standoff - 25 cm											
	3458MH0007060011202576C00	2576	13036	25.4	23.5	-1.6	1.8	96.3	6.1	1608	1198	15.5	11.5
mhli00173	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3458MH0001730011202579C00	2579	14172	5.8	3.9	-0.1	0.1	27.4	0.4	1608	1198	4.4	3.3
	corresponding focus merge products:	*best focus product:*		3458MH0002270001202639R00				*range map product:*	3458MH0002270001202640S00				
mhli00173	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3458MH0001730011202589C00	2589	14192	5.7	3.8	-0.1	0.1	27.1	0.4	1608	1198	4.4	3.2
	corresponding focus merge products:	*best focus product:*		3458MH0002270001202637R00				*range map product:*	3458MH0002270001202638S00				
target named Cow_Head													
mhli00706	**context view**	intended standoff - 25 cm											
	3458MH0007060011202599C00	2599	13014	26.7	24.8	-1.8	2.0	100.9	6.7	1608	1198	16.2	12.1
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3458MH0001820011202602C00	2602	13999	6.9	5.0	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3458MH0002270001202635R00				*range map product:*	3458MH0002270001202636S00				
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3458MH0001820011202612C00	2612	13994	6.9	5.0	-0.2	0.2	31.1	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3458MH0002270001202633R00				*range map product:*	3458MH0002270001202634S00				
mhli00176	**high resolution view**	intended standoff - 2 cm											
	3458MH0001760011202622C00	2622	14692	3.8	1.9	-0.1	0.1	20.3	0.3	1608	1198	3.3	2.4
	corresponding focus merge products:	*best focus product:*		3458MH0002270001202631R00				*range map product:*	3458MH0002270001202632S00				

last update: 03_May_2022

Sol 3459 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Castlecraig - quantitative relief model (QRM) data													
mhli00845	context view	intended standoff - 20 cm											
	3459MH0008450011202642C00	2642	13104	22.0	20.1	-1.2	1.4	84.5	4.6	1608	1198	13.6	10.1
mhli00740	med res - stereo-1 & relief model position 1	intended standoff - 5 cm											
	3459MH0007400011202645C00	2645	13931	7.3	5.4	-0.2	0.2	32.7	0.6	1608	1198	5.3	3.9
	corresponding focus merge products:	*best focus product:*		3461MH0002270001202714R00				*range map product:*	3461MH0002270001202715S00				
mhli00740	med res - stereo-2 & relief model position 2	intended standoff - 5 cm											
	3459MH0007400011202656C00	2656	13924	7.4	5.5	-0.2	0.2	32.8	0.6	1608	1198	5.3	3.9
	corresponding focus merge products:	*best focus product:*		3461MH0002270001202712R00				*range map product:*	3461MH0002270001202713S00				
mhli00705	med res - relief model position 3	intended standoff - 5 cm											
	3459MH0007050011202667C00	2667	13930	7.3	5.4	-0.2	0.2	32.7	0.6	1608	1198	5.3	3.9
mhli00705	med res - relief model position 4	intended standoff - 5 cm											
	3459MH0007050011202669C00	2669	13944	7.2	5.3	-0.2	0.2	32.3	0.6	1608	1198	5.2	3.9
mhli00705	med res - relief model position 5	intended standoff - 5 cm											
	3459MH0007050011202671C00	2671	13933	7.3	5.4	-0.2	0.2	32.6	0.6	1608	1198	5.2	3.9
mhli00844	high resolution view	intended standoff - 3 cm											
	3459MH0008440011202673C00	2673	14277	5.3	3.4	-0.1	0.1	25.6	0.4	1608	1198	4.1	3.1
	corresponding focus merge products:	*best focus product:*		3461MH0002270001202710R00				*range map product:*	3461MH0002270001202711S00				
target named Cat_Firth													
mhli00706	context view	intended standoff - 25 cm											
	3459MH0007060011202684C00	2684	13016	26.6	24.7	-1.8	2.0	100.5	6.7	1608	1198	16.2	12.0
mhli00182	medium-resolution stereo-1	intended standoff - 5 cm											
	3459MH0001820011202687C00	2687	13992	6.9	5.0	-0.2	0.2	31.2	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3461MH0002270001202708R00				*range map product:*	3461MH0002270001202709S00				
mhli00182	medium-resolution stereo-2	intended standoff - 5 cm											
	3459MH0001820011202697C00	2697	13994	6.9	5.0	-0.2	0.2	31.1	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3461MH0002270001202706R00				*range map product:*	3461MH0002270001202707S00				

last update: 03_May_2022

Sol 3462 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Gran_Sabana													
mhli00190	**context view**	intended standoff - 25 cm											
	3462MH0001900011202717C00	2717	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00299	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3462MH0002990011202719C00	2719	14015	6.7	4.8	-0.2	0.2	30.6	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3462MH0002270001202778R00		*range map product:*			3462MH0002270001202779S00				
mhli00299	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3462MH0002990011202729C00	2729	14029	6.7	4.8	-0.2	0.1	30.3	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3462MH0002270001202776R00		*range map product:*			3462MH0002270001202777S00				
mhli00311	**high resolution view**	intended standoff - 2 cm											
	3462MH0003110011202739C00	2739	14733	3.7	1.8	-0.1	0.1	19.9	0.2	1608	1198	3.2	2.4
	corresponding focus merge products:	*best focus product:*		3462MH0002270001202774R00		*range map product:*			3462MH0002270001202775S00				
target named Berbice													
mhli00172	**context view**	intended standoff - 20 cm											
	3462MH0001720011202749C00	2749	13109	21.8	19.9	-1.2	1.3	83.7	4.5	1608	1198	13.5	10.0
mhli00363	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3462MH0003630011202751C00	2751	13938	7.3	5.4	-0.2	0.2	32.5	0.6	1608	1198	5.2	3.9
	corresponding focus merge products:	*best focus product:*		3462MH0002270001202772R00		*range map product:*			3462MH0002270001202773S00				
mhli00363	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3462MH0003630011202761C00	2761	13927	7.3	5.4	-0.2	0.2	32.8	0.6	1608	1198	5.3	3.9
	corresponding focus merge products:	*best focus product:*		3462MH0002270001202770R00		*range map product:*			3462MH0002270001202771S00				

last update: 09_May_2022

Sol 3465 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Firina - a 2 x 1 mosaic													
mhli00846	position 1 of 2	intended standoff - 20 cm											
	3465MH0008460011202781C00	2781	13103	22.1	20.2	-1.3	1.4	84.6	4.6	1608	1198	13.6	10.1
	corresponding focus merge products:	*best focus product:*		3465MH0001930001202816R00		*range map product:*			3465MH0001930001202817S00				
mhli00846	position 2 of 2	intended standoff - 20 cm											
	3465MH0008460011202791C00	2791	13031	25.7	23.8	-1.7	1.9	97.3	6.2	1608	1198	15.7	11.7
	corresponding focus merge products:	*best focus product:*		3465MH0001930001202814R00		*range map product:*			3465MH0001930001202815S00				
target named Bartica													
mhli00190	context view	intended standoff - 25 cm											
	3465MH0001900011202801C00	2801	13032	25.6	23.7	-1.7	1.9	97.1	6.2	1608	1198	15.6	11.6
mhli00224	medium-resolution view	intended standoff - 5 cm											
	3465MH0002240011202803C00	2803	14178	5.8	3.9	-0.1	0.1	27.3	0.4	1608	1198	4.4	3.3
	corresponding focus merge products:	*best focus product:*		3465MH0001930001202812R00		*range map product:*			3465MH0001930001202813S00				

last update: 09_May_2022

Sol 3466 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Bonfim													
mhli00190	**context view**	intended standoff - 25 cm											
	3466MH0001900011202819C00	2819	13019	26.4	24.5	-1.8	2.0	99.8	6.6	1608	1198	16.1	12.0
mhli00173	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3466MH0001730011202821C00	2821	14029	6.7	4.8	-0.2	0.1	30.3	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3466MH0001630001202900R00		*range map product:*			3466MH0001630001202901S00				
mhli00173	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3466MH0001730011202831C00	2831	14031	6.6	4.7	-0.2	0.1	30.3	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3466MH0001630001202898R00		*range map product:*			3466MH0001630001202899S00				
mhli00176	**high resolution view**	intended standoff - 2 cm											
	3466MH0001760011202841C00	2841	14739	3.7	1.8	-0.1	0.1	19.8	0.2	1608	1198	3.2	2.4
	corresponding focus merge products:	*best focus product:*		3466MH0001630001202896R00		*range map product:*			3466MH0001630001202897S00				
target named Kurupukari - a 4 x 1 mosaic													
mhli00190	**position 1 of 4**	intended standoff - 25 cm											
	3466MH0001900011202851C00	2851	13059	24.2	22.3	-1.5	1.6	92.0	5.5	1608	1198	14.8	11.0
mhli00190	**position 2 of 4**	intended standoff - 25 cm											
	3466MH0001900011202853C00	2853	13049	24.7	22.8	-1.5	1.7	93.8	5.8	1608	1198	15.1	11.2
mhli00190	**position 3 of 4**	intended standoff - 25 cm											
	3466MH0001900011202855C00	2855	13049	24.7	22.8	-1.5	1.7	93.8	5.8	1608	1198	15.1	11.2
mhli00190	**position 4 of 4**	intended standoff - 25 cm											
	3466MH0001900011202857C00	2857	13055	24.4	22.5	-1.5	1.7	92.7	5.6	1608	1198	14.9	11.1
target named Oshi													
mhli00190	**context view**	intended standoff - 25 cm											
	3466MH0001900011202859C00	2859	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3466MH0001820011202861C00	2861	13993	6.9	5.0	-0.2	0.2	31.2	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3466MH0001630001202894R00		*range map product:*			3466MH0001630001202895S00				
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3466MH0001820011202871C00	2871	13991	6.9	5.0	-0.2	0.2	31.2	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3466MH0001630001202892R00		*range map product:*			3466MH0001630001202893S00				
mhli00426	**high resolution view**	intended standoff - 1 cm											
	3466MH0004260011202881C00	2881	15070	2.9	1.0	-0.1	0.1	17.1	0.2	1608	1198	2.7	2.0
	corresponding focus merge products:	*best focus product:*		3466MH0001630001202890R00		*range map product:*			3466MH0001630001202891S00				

last update: 10_May_2022

Sol 3469 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named El_Oso													
mhli00190	**context view**	intended standoff - 25 cm											
	3469MH0001900011202903C00	2903	13020	26.3	24.4	-1.7	2.0	99.6	6.5	1608	1198	16.0	11.9
mhli00224	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3469MH0002240011202905C00	2905	14041	6.6	4.7	-0.2	0.1	30.1	0.5	1608	1198	4.8	3.6
	corresponding focus merge products:	*best focus product:*		3469MH0001530001202952R00				*range map product:*	3469MH0001530001202953S00				
mhli00224	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3469MH0002240011202915C00	2915	14077	6.4	4.5	-0.1	0.1	29.3	0.5	1608	1198	4.7	3.5
	corresponding focus merge products:	*best focus product:*		3469MH0001530001202950R00				*range map product:*	3469MH0001530001202951S00				
target named Parima													
mhli00190	**context view**	intended standoff - 25 cm											
	3469MH0001900011202925C00	2925	13022	26.2	24.3	-1.7	2.0	99.2	6.5	1608	1198	16.0	11.9
mhli00173	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3469MH0001730011202927C00	2927	14035	6.6	4.7	-0.2	0.1	30.2	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3469MH0001530001202948R00				*range map product:*	3469MH0001530001202949S00				
mhli00173	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3469MH0001730011202937C00	2937	14034	6.6	4.7	-0.2	0.1	30.2	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3469MH0001530001202946R00				*range map product:*	3469MH0001530001202947S00				

last update: 16_May_2022

Sol 3471 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Pastora - after DRT - quantitative relief model (QRM) data													
mhli00190	**context view**	intended standoff - 25 cm											
	3471MH0001900011202955C00	2955	13017	26.5	24.6	-1.8	2.0	100.3	6.6	1608	1198	16.1	12.0
mhli00173	**med res - stereo-1 & relief model position 1**	intended standoff - 5 cm											
	3471MH0001730011202957C00	2957	13991	6.9	5.0	-0.2	0.2	31.2	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3472MH0002270001203022R00				*range map product:*	3472MH0002270001203023S00				
mhli00173	**med res - stereo-2 & relief model position 2**	intended standoff - 5 cm											
	3471MH0001730011202967C00	2967	13994	6.9	5.0	-0.2	0.2	31.1	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3472MH0002270001203020R00				*range map product:*	3472MH0002270001203021S00				
mhli00705	**med res - relief model position 3**	intended standoff - 5 cm											
	3471MH0000705011202977C00	2977	13992	6.9	5.0	-0.2	0.2	31.2	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 4**	intended standoff - 5 cm											
	3471MH0000705011202979C00	2979	13987	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 5**	intended standoff - 5 cm											
	3471MH0000705011202981C00	2981	13988	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.7
mhli00174	**high resolution view**	intended standoff - 2 cm											
	3471MH0001740011202983C00	2983	14651	3.9	2.0	-0.1	0.1	20.7	0.3	1608	1198	3.3	2.5
	corresponding focus merge products:	*best focus product:*		3472MH0002270001203018R00				*range map product:*	3472MH0002270001203019S00				
target named Tama_Tama													
mhli00190	**context view**	intended standoff - 25 cm											
	3471MH0001900011202993C00	2993	13019	26.4	24.5	-1.8	2.0	99.8	6.6	1608	1198	16.1	12.0
mhli00168	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3471MH0001680011202995C00	2995	14030	6.7	4.8	-0.2	0.1	30.3	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3472MH0002270001203016R00				*range map product:*	3472MH0002270001203017S00				
mhli00168	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3471MH0001680011203005C00	3005	14016	6.7	4.8	-0.2	0.2	30.6	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3472MH0002270001203014R00				*range map product:*	3472MH0002270001203015S00				

last update: 16_May_2022

Sol 3473 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named San_Pedro - after DRT													
mhli00190	**context view**	intended standoff - 25 cm											
	3473MH0001900011203025C00	3025	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00299	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3473MH0002990011203027C00	3027	14013	6.8	4.9	-0.2	0.2	30.7	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3474MH0002270001203086R00				*range map product:*		3474MH0002270001203087S00			
mhli00299	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3473MH0002990011203037C00	3037	14015	6.7	4.8	-0.2	0.2	30.6	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3474MH0002270001203084R00				*range map product:*		3474MH0002270001203085S00			
mhli00337	**high resolution view**	intended standoff - 2 cm											
	3473MH0003370011203047C00	3047	14715	3.7	1.8	-0.1	0.1	20.1	0.3	1608	1198	3.2	2.4
	corresponding focus merge products:	*best focus product:*		3474MH0002270001203082R00				*range map product:*		3474MH0002270001203083S00			
target named Pedra_Pintada													
mhli00190	**context view**	intended standoff - 25 cm											
	3473MH0001900011203057C00	3057	13019	26.4	24.5	-1.8	2.0	99.8	6.6	1608	1198	16.1	12.0
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3473MH0001820011203059C00	3059	14003	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3474MH0002270001203080R00				*range map product:*		3474MH0002270001203081S00			
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3473MH0001820011203069C00	3069	14005	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3474MH0002270001203078R00				*range map product:*		3474MH0002270001203079S00			

last update: 18_May_2022

Sol 3476 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Aratana													
mhli00190	**context view**	intended standoff - 25 cm											
	3476MH0001900011203089C00	3089	13028	25.9	24.0	-1.7	1.9	98.0	6.3	1608	1198	15.8	11.7
mhli00841	**intermediate-resolution stereo-1**	intended standoff - 15 cm											
	3476MH0008410011203091C00	3091	13289	16.0	14.1	-0.7	0.7	63.1	2.4	1608	1198	10.1	7.6
	corresponding focus merge products:	*best focus product:*		3476MH0002650001203112R00				*range map product:*		3476MH0002650001203113S00			
mhli00841	**intermediate-resolution stereo-2**	intended standoff - 15 cm											
	3476MH0008410011203101C00	3101	13290	15.9	14.0	-0.7	0.7	63.0	2.4	1608	1198	10.1	7.5
	corresponding focus merge products:	*best focus product:*		3476MH0002650001203110R00				*range map product:*		3476MH0002650001203111S00			

last update: 02_February_2023

Sol 3478 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Las_Claritas - a 3 x 2 mosaic													
mhli00291	**position 1 of 6**	intended standoff - 10 cm											
	3478MH0002910011203115C00	3115	13531	11.4	9.5	-0.4	0.4	47.0	1.3	1608	1198	7.6	5.6
	corresponding focus merge products:	*best focus product:*		3478MH0005360001203222R00		*range map product:*			3478MH0005360001203223S00				
mhli00291	**position 2 of 6**	intended standoff - 10 cm											
	3478MH0002910011203125C00	3125	13605	10.4	8.5	-0.3	0.3	43.5	1.1	1608	1198	7.0	5.2
	corresponding focus merge products:	*best focus product:*		3478MH0005360001203220R00		*range map product:*			3478MH0005360001203221S00				
mhli00291	**position 3 of 6**	intended standoff - 10 cm											
	3478MH0002910011203135C00	3135	13597	10.5	8.6	-0.3	0.3	43.9	1.1	1608	1198	7.1	5.3
	corresponding focus merge products:	*best focus product:*		3478MH0005360001203218R00		*range map product:*			3478MH0005360001203219S00				
mhli00291	**position 4 of 6**	intended standoff - 10 cm											
	3478MH0002910011203145C00	3145	13529	11.4	9.5	-0.4	0.4	47.1	1.3	1608	1198	7.6	5.6
	corresponding focus merge products:	*best focus product:*		3478MH0005360001203216R00		*range map product:*			3478MH0005360001203217S00				
mhli00291	**position 5 of 6**	intended standoff - 10 cm											
	3478MH0002910011203155C00	3155	13530	11.4	9.5	-0.4	0.4	47.1	1.3	1608	1198	7.6	5.6
	corresponding focus merge products:	*best focus product:*		3478MH0005360001203214R00		*range map product:*			3478MH0005360001203215S00				
mhli00291	**position 6 of 6**	intended standoff - 10 cm											
	3478MH0002910011203165C00	3165	13601	10.5	8.6	-0.3	0.3	43.7	1.1	1608	1198	7.0	5.2
	corresponding focus merge products:	*best focus product:*		3478MH0005360001203212R00		*range map product:*			3478MH0005360001203213S00				
target named Las_Claritas - after DRT													
mhli00190	**context view**	intended standoff - 25 cm											
	3478MH0001900011203175C00	3175	13025	26.0	24.1	-1.7	1.9	98.6	6.4	1608	1198	15.9	11.8
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3478MH0001820011203177C00	3177	14077	6.4	4.5	-0.1	0.1	29.3	0.5	1608	1198	4.7	3.5
	corresponding focus merge products:	*best focus product:*		3478MH0005360001203210R00		*range map product:*			3478MH0005360001203211S00				
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3478MH0001820011203187C00	3187	14078	6.4	4.5	-0.1	0.1	29.3	0.5	1608	1198	4.7	3.5
	corresponding focus merge products:	*best focus product:*		3478MH0005360001203208R00		*range map product:*			3478MH0005360001203209S00				
mhli00302	**high resolution view**	intended standoff - 2 cm											
	3478MH0003020011203197C00	3197	14866	3.3	1.4	-0.1	0.1	18.7	0.2	1608	1198	3.0	2.2
	corresponding focus merge products:	*best focus product:*		3478MH0005360001203206R00		*range map product:*			3478MH0005360001203207S00				

last update: 24_May_2022

Sol 3480 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Maple_Creek													
mhli00190	**context view**	intended standoff - 25 cm											
	3480MH0001900011203225C00	3225	13013	26.8	24.9	-1.8	2.0	101.1	6.8	1608	1198	16.3	12.1
mhli00173	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3480MH0001730011203227C00	3227	13973	7.0	5.1	-0.2	0.2	31.6	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3481MH0001710001203312R00		*range map product:*			3481MH0001710001203313S00				
mhli00173	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3480MH0001730011203237C00	3237	13972	7.0	5.1	-0.2	0.2	31.7	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3481MH0001710001203310R00		*range map product:*			3481MH0001710001203311S00				
target named Apoteri													
mhli00190	**context view**	intended standoff - 25 cm											
	3480MH0001900011203247C00	3247	13032	25.6	23.7	-1.7	1.9	97.1	6.2	1608	1198	15.6	11.6
mhli00152	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3480MH0001520011203249C00	3249	14224	5.6	3.7	-0.1	0.1	26.5	0.4	1608	1198	4.3	3.2
	corresponding focus merge products:	*best focus product:*		3481MH0001710001203308R00		*range map product:*			3481MH0001710001203309S00				
mhli00152	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3480MH0001520011203259C00	3259	14228	5.6	3.7	-0.1	0.1	26.5	0.4	1608	1198	4.3	3.2
	corresponding focus merge products:	*best focus product:*		3481MH0001710001203306R00		*range map product:*			3481MH0001710001203307S00				
target named Bamboo_Creek - after DRT													
mhli00190	**context view**	intended standoff - 25 cm											
	3480MH0001900011203269C00	3269	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3480MH0001820011203271C00	3271	13987	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3481MH0001710001203304R00		*range map product:*			3481MH0001710001203305S00				
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3480MH0001820011203281C00	3281	13985	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.8
	corresponding focus merge products:	*best focus product:*		3481MH0001710001203302R00		*range map product:*			3481MH0001710001203303S00				
mhli00743	**high resolution view**	intended standoff - 1 cm											
	3480MH0007430011203291C00	3291	15037	3.0	1.1	-0.1	0.1	17.3	0.2	1608	1198	2.8	2.1
	corresponding focus merge products:	*best focus product:*		3481MH0001710001203300R00		*range map product:*			3481MH0001710001203301S00				

last update: 25_May_2022

Sol 3483 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Imataca - after DRT													
mhli00190	**context view**	intended standoff - 25 cm											
	3483MH0001900011203315C00	3315	13021	26.3	24.4	-1.7	2.0	99.4	6.5	1608	1198	16.0	11.9
mhli00173	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3483MH0001730011203317C00	3317	14023	6.7	4.8	-0.2	0.1	30.5	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3483MH0001930001203350R00		*range map product:*			3483MH0001930001203351S00				
mhli00173	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3483MH0001730011203327C00	3327	14030	6.7	4.8	-0.2	0.1	30.3	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3483MH0001930001203348R00		*range map product:*			3483MH0001930001203349S00				
mhli00337	**high resolution view**	intended standoff - 2 cm											
	3483MH0003370011203337C00	3338	14742	3.7	1.8	-0.1	0.1	19.8	0.2	1608	1198	3.2	2.4
	corresponding focus merge products:	*best focus product:*		3483MH0001930001203346R00		*range map product:*			3483MH0001930001203347S00				

last update: 27_May_2022

Sol 3485 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Cabo_Sobral - a 3 x 1 mosaic from 25 cm standoff													
mhli00359	position 1 of 3	intended standoff - 25 cm											
	3485MH0003590011203353C00	3353	13031	25.7	23.8	-1.7	1.9	97.3	6.2	1608	1198	15.7	11.7
	corresponding focus merge products:	*best focus product:*		3485MH0002270001203410R00		*range map product:*			3485MH0002270001203411S00				
mhli00359	position 2 of 3	intended standoff - 25 cm											
	3485MH0003590011203363C00	3363	13051	24.6	22.7	-1.5	1.7	93.5	5.7	1608	1198	15.0	11.2
	corresponding focus merge products:	*best focus product:*		3485MH0002270001203408R00		*range map product:*			3485MH0002270001203409S00				
mhli00359	position 3 of 3	intended standoff - 25 cm											
	3485MH0003590011203373C00	3373	13071	23.6	21.7	-1.4	1.6	89.9	5.2	1608	1198	14.5	10.8
	corresponding focus merge products:	*best focus product:*		3485MH0002270001203406R00		*range map product:*			3485MH0002270001203407S00				
mhli00847	medium-resolution stereo-1	intended standoff - 7 cm											
	3485MH0008470011203383C00	3383	13725	9.1	7.2	-0.3	0.2	38.8	0.9	1608	1198	6.2	4.7
	corresponding focus merge products:	*best focus product:*		3485MH0002270001203404R00		*range map product:*			3485MH0002270001203405S00				
mhli00847	medium-resolution stereo-2	intended standoff - 7 cm											
	3485MH0008470011203393C00	3393	13759	8.7	6.8	-0.2	0.2	37.7	0.8	1608	1198	6.1	4.5
	corresponding focus merge products:	*best focus product:*		3485MH0002270001203402R00		*range map product:*			3485MH0002270001203403S00				

last update: 14_June_2022

Sol 3488 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Pitinga - no DRT - APXS raster spot 1													
mhli00190	**context view**	intended standoff - 25 cm											
	3488MH0001900011203413C00	3413	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00168	**medium-resolution view**	intended standoff - 5 cm											
	3488MH0001680011203415C00	3415	14000	6.8	4.9	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3488MH0001530001203468R00				*range map product:*	3488MH0001530001203469S00				
target named Pitinga - after DRT - APXS raster spot 2 - quantitative relief model (QRM) data													
mhli00190	**context view**	intended standoff - 25 cm											
	3488MH0001900011203425C00	3425	13019	26.4	24.5	-1.8	2.0	99.8	6.6	1608	1198	16.1	12.0
mhli00168	**med res - stereo-1 & relief model position 1**	intended standoff - 5 cm											
	3488MH0001680011203427C00	3427	14011	6.8	4.9	-0.2	0.2	30.7	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3488MH0001530001203466R00				*range map product:*	3488MH0001530001203467S00				
mhli00168	**med res - stereo-2 & relief model position 2**	intended standoff - 5 cm											
	3488MH0001680011203437C00	3437	14005	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3488MH0001530001203464R00				*range map product:*	3488MH0001530001203465S00				
mhli00705	**med res - relief model position 3**	intended standoff - 5 cm											
	3488MH0000705011203447C00	3447	14008	6.8	4.9	-0.2	0.2	30.8	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 4**	intended standoff - 5 cm											
	3488MH0000705011203449C00	3449	14003	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 5**	intended standoff - 5 cm											
	3488MH0000705011203451C00	3451	13999	6.9	5.0	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
mhli00848	**high resolution view**	intended standoff - 1 cm											
	3488MH0000848011203453C00	3453	15109	2.8	0.9	-0.1	0.1	16.8	0.2	1608	1198	2.7	2.0
	corresponding focus merge products:	*best focus product:*		3488MH0001530001203462R00				*range map product:*	3488MH0001530001203463S00				

last update: 02_June_2022

Sol 3491 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Parepona - after DRT													
mhli00190	**context view**	intended standoff - 25 cm											
	3491MH0001900011203471C00	3471	13019	26.4	24.5	-1.8	2.0	99.8	6.6	1608	1198	16.1	12.0
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3491MH0001820011203473C00	3473	14021	6.7	4.8	-0.2	0.1	30.5	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3491MH0001630001203544R00				*range map product:*	3491MH0001630001203545S00				
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3491MH0001820011203483C00	3483	14024	6.7	4.8	-0.2	0.1	30.4	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3491MH0001630001203542R00				*range map product:*	3491MH0001630001203543S00				
mhli00302	**high resolution view**	intended standoff - 2 cm											
	3491MH0003020011203493C00	3493	14729	3.7	1.8	-0.1	0.1	19.9	0.3	1608	1198	3.2	2.4
	corresponding focus merge products:	*best focus product:*		3491MH0001630001203540R00				*range map product:*	3491MH0001630001203541S00				
target named Cabadiscana													
mhli00190	**context view**	intended standoff - 25 cm											
	3491MH0001900011203503C00	3503	13012	26.8	24.9	-1.8	2.0	101.3	6.8	1608	1198	16.3	12.1
mhli00299	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3491MH0002990011203505C00	3505	13948	7.2	5.3	-0.2	0.2	32.2	0.6	1608	1198	5.2	3.9
	corresponding focus merge products:	*best focus product:*		3491MH0001630001203538R00				*range map product:*	3491MH0001630001203539S00				
mhli00299	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3491MH0002990011203515C00	3515	13950	7.2	5.3	-0.2	0.2	32.2	0.6	1608	1198	5.2	3.9
	corresponding focus merge products:	*best focus product:*		3491MH0001630001203536R00				*range map product:*	3491MH0001630001203537S00				
mhli00311	**high resolution view**	intended standoff - 2 cm											
	3491MH0003110011203525C00	3525	14553	4.2	2.3	-0.1	0.1	21.8	0.3	1608	1198	3.5	2.6
	corresponding focus merge products:	*best focus product:*		3491MH0001630001203534R00				*range map product:*	3491MH0001630001203535S00				

last update: 03_June_2022

Sol 3492 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
rover wheel inspection - top view, looking down on wheels - full wheel inspection, position 1 of 5 (performed on sol 3492)													
mhli00769	left (port) rear wheel												
	manual focus	intended distance to top of wheel: ~170 cm											
	3492MH0007690011203546E01	3546	12618	~172	~170	~-0.6 m	~1.6 m	~612	n/a	1608	1198	~98	~73
mhli00770	left (port) middle wheel												
	manual focus	intended distance to top of wheel: ~112 cm											
	3492MH0007700011203547E01	3547	12660	~114	~112	~-28	~50	~408	~137	1608	1198	~65	~49
mhli00771	left (port) front wheel												
	manual focus	intended distance to top of wheel: ~135 cm											
	3492MH0007710011203548E01	3548	12642	~137	~135	~-38	~82	~489	~210	1608	1198	~78	~59
mhli00772	right (starboard) front wheel												
	manual focus	intended distance to top of wheel: ~124 cm											
	3492MH0007720011203549E01	3549	12648	~126	~124	~-32	~67	~450	~175	1608	1198	~72	~54
rover wheel inspection - top view, looking down on wheels - full wheel inspection, position 2 of 5 (performed on sol 3492)													
mhli00769	left (port) rear wheel												
	manual focus	intended distance to top of wheel: ~170 cm											
	3492MH0007690011203550E01	3550	12618	~172	~170	~-0.6 m	~1.6 m	~612	n/a	1608	1198	~98	~73
mhli00770	left (port) middle wheel												
	manual focus	intended distance to top of wheel: ~112 cm											
	3492MH0007700011203551E01	3551	12660	~114	~112	~-28	~50	~408	~137	1608	1198	~65	~49
mhli00771	left (port) front wheel												
	manual focus	intended distance to top of wheel: ~135 cm											
	3492MH0007710011203552E01	3552	12642	~137	~135	~-38	~82	~489	~210	1608	1198	~78	~59
mhli00772	right (starboard) front wheel												
	manual focus	intended distance to top of wheel: ~124 cm											
	3492MH0007720011203553E01	3553	12648	~126	~124	~-32	~67	~450	~175	1608	1198	~72	~54
rover wheel inspection - top view, looking down on wheels - full wheel inspection, position 3 of 5 (performed on sol 3492)													
mhli00769	left (port) rear wheel												
	manual focus	intended distance to top of wheel: ~170 cm											
	3492MH0007690011203554E01	3554	12618	~172	~170	~-0.6 m	~1.6 m	~612	n/a	1608	1198	~98	~73
mhli00770	left (port) middle wheel												
	manual focus	intended distance to top of wheel: ~112 cm											
	3492MH0007700011203555E01	3555	12660	~114	~112	~-28	~50	~408	~137	1608	1198	~65	~49
mhli00771	left (port) front wheel												
	manual focus	intended distance to top of wheel: ~135 cm											
	3492MH0007710011203556E01	3556	12642	~137	~135	~-38	~82	~489	~210	1608	1198	~78	~59
mhli00772	right (starboard) front wheel												
	manual focus	intended distance to top of wheel: ~124 cm											
	3492MH0007720011203557E01	3557	12648	~126	~124	~-32	~67	~450	~175	1608	1198	~72	~54
rover wheel inspection - top view, looking down on wheels - full wheel inspection, position 4 of 5 (performed on sol 3492)													
mhli00769	left (port) rear wheel												
	manual focus	intended distance to top of wheel: ~170 cm											
	3492MH0007690011203558E01	3558	12618	~172	~170	~-0.6 m	~1.6 m	~612	n/a	1608	1198	~98	~73
mhli00770	left (port) middle wheel												
	manual focus	intended distance to top of wheel: ~112 cm											
	3492MH0007700011203559E01	3559	12660	~114	~112	~-28	~50	~408	~137	1608	1198	~65	~49
mhli00771	left (port) front wheel												
	manual focus	intended distance to top of wheel: ~135 cm											
	3492MH0007710011203560E01	3560	12642	~137	~135	~-38	~82	~489	~210	1608	1198	~78	~59
mhli00772	right (starboard) front wheel												
	manual focus	intended distance to top of wheel: ~124 cm											
	3492MH0007720011203561E01	3561	12648	~126	~124	~-32	~67	~450	~175	1608	1198	~72	~54

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rover wheel inspection - top view, looking down on wheels - full wheel inspection, position 5 of 5 (performed on sol 3492)													
mhli00769	left (port) rear wheel												
	manual focus	intended distance to top of wheel: ~170 cm											
	3492MH0007690011203562E01	3562	12618	~172	~170	~-0.6 m	~1.6 m	~612	n/a	1608	1198	~98	~73
mhli00770	left (port) middle wheel												
	manual focus	intended distance to top of wheel: ~112 cm											
	3492MH0007700011203563E01	3563	12660	~114	~112	~-28	~50	~408	~137	1608	1198	~65	~49
mhli00771	left (port) front wheel												
	manual focus	intended distance to top of wheel: ~135 cm											
	3492MH0007710011203564E01	3564	12642	~137	~135	~-38	~82	~489	~210	1608	1198	~78	~59
mhli00772	right (starboard) front wheel												
	manual focus	intended distance to top of wheel: ~124 cm											
	3492MH0007720011203565E01	3565	12648	~126	~124	~-32	~67	~450	~175	1608	1198	~72	~54

last update: 06_June_2022

Sol 3493 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Tabaco - a 4 x 1 mosaic													
mhli00849	**position 1 of 4**	intended standoff - 15 cm											
	3493MH0008490011203567C00	3567	13203	18.4	16.5	-0.9	0.9	71.5	3.2	1608	1198	11.5	8.6
	corresponding focus merge products:	*best focus product:*		3493MH0001710001203656R00		*range map product:*			3493MH0001710001203657S00				
mhli00849	**position 2 of 4**	intended standoff - 15 cm											
	3493MH0008490011203577C00	3577	13218	17.9	16.0	-0.8	0.9	69.9	3.0	1608	1198	11.2	8.4
	corresponding focus merge products:	*best focus product:*		3493MH0001710001203654R00		*range map product:*			3493MH0001710001203655S00				
mhli00849	**position 3 of 4**	intended standoff - 15 cm											
	3493MH0008490011203587C00	3587	13229	17.6	15.7	-0.8	0.9	68.8	2.9	1608	1198	11.1	8.2
	corresponding focus merge products:	*best focus product:*		3493MH0001710001203652R00		*range map product:*			3493MH0001710001203653S00				
mhli00849	**position 4 of 4**	intended standoff - 15 cm											
	3493MH0008490011203597C00	3597	13228	17.6	15.7	-0.8	0.9	68.9	2.9	1608	1198	11.1	8.2
	corresponding focus merge products:	*best focus product:*		3493MH0001710001203650R00		*range map product:*			3493MH0001710001203651S00				
target named Issano - after DRT - quantitative relief model (QRM) data													
mhli00190	**context view**	intended standoff - 25 cm											
	3493MH0001900011203607C00	3607	13019	26.4	24.5	-1.8	2.0	99.8	6.6	1608	1198	16.1	12.0
mhli00168	**med res - stereo-1 & relief model position 1**	intended standoff - 5 cm											
	3493MH0001680011203609C00	3609	14002	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3493MH0001710001203648R00		*range map product:*			3493MH0001710001203649S00				
mhli00168	**med res - stereo-2 & relief model position 2**	intended standoff - 5 cm											
	3493MH0001680011203619C00	3619	14003	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3493MH0001710001203646R00		*range map product:*			3493MH0001710001203647S00				
mhli00705	**med res - relief model position 3**	intended standoff - 5 cm											
	3493MH0007050011203629C00	3629	13999	6.9	5.0	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 4**	intended standoff - 5 cm											
	3493MH0007050011203631C00	3631	14000	6.8	4.9	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
mhli00705	**med res - relief model position 5**	intended standoff - 5 cm											
	3493MH0007050011203633C00	3633	14002	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
mhli00743	**high resolution view**	intended standoff - 1 cm											
	3493MH0007430011203635C00	3635	15112	2.8	0.9	-0.1	0.1	16.8	0.2	1608	1198	2.7	2.0
	corresponding focus merge products:	*best focus product:*		3493MH0001710001203644R00		*range map product:*			3493MH0001710001203645S00				

last update: 15_June_2022

Sol 3503 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
ChemCam mirror/window and RWEB													
mhli00520	**RWEB full frame**												
	3503MH0005200011203659C00	3659	13100	22.2	20.3	-1.3	1.4	85.1	4.7	1608	1198	13.7	10.2
	corresponding focus merge products:	*best focus product:*		3503MH0008500001203772R00		*range map product:*			3503MH0008500001203773S00				
	manual focus on interior hardware												
	3503MH0005200041203677C00	3677	12990	28.3	26.4	-2.0	2.3	106.4	7.5	1024	1200	10.9	12.8
	corresponding focus merge products:	*best focus product:*		3503MH0008500001203770R00		*range map product:*			3503MH0008500001203771S00				
target named Wandapa - a 3 x 1 mosaic from 5 cm standoff													
mhli00706	**context view**	**intended standoff - 25 cm**											
	3503MH0007060011203687C00	3687	13023	26.2	24.3	-1.7	1.9	99.0	6.5	1608	1198	15.9	11.9
mhli00740	**position 1 of 3**	**intended standoff - 5 cm**											
	3503MH0007400011203690C00	3690	14066	6.4	4.5	-0.1	0.1	29.5	0.5	1608	1198	4.7	3.5
	corresponding focus merge products:	*best focus product:*		3503MH0008500001203768R00		*range map product:*			3503MH0008500001203769S00				
mhli00740	**position 2 of 3**	**intended standoff - 5 cm**											
	3503MH0007400011203701C00	3701	14155	5.9	4.0	-0.1	0.1	27.8	0.5	1608	1198	4.5	3.3
	corresponding focus merge products:	*best focus product:*		3503MH0008500001203766R00		*range map product:*			3503MH0008500001203767S00				
mhli00740	**position 3 of 3**	**intended standoff - 5 cm**											
	3503MH0007400011203712C00	3712	14107	6.2	4.3	-0.1	0.1	28.7	0.5	1608	1198	4.6	3.4
	corresponding focus merge products:	*best focus product:*		3503MH0008500001203764R00		*range map product:*			3503MH0008500001203765S00				
target named Omai - after DRT													
mhli00706	**context view**	**intended standoff - 25 cm**											
	3503MH0007060011203723C00	3723	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00723	**medium-resolution stereo-1**	**intended standoff - 5 cm**											
	3503MH0007230011203726C00	3726	13995	6.9	5.0	-0.2	0.2	31.1	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3503MH0008500001203762R00		*range map product:*			3503MH0008500001203763S00				
mhli00723	**medium-resolution stereo-2**	**intended standoff - 5 cm**											
	3503MH0007230011203737C00	3737	13997	6.9	5.0	-0.2	0.2	31.1	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3503MH0008500001203760R00		*range map product:*			3503MH0008500001203761S00				
mhli00656	**high resolution view**	**intended standoff - 2 cm**											
	3503MH0006560011203748C00	3748	14668	3.9	2.0	-0.1	0.1	20.5	0.3	1608	1198	3.3	2.5
	corresponding focus merge products:	*best focus product:*		3503MH0008500001203758R00		*range map product:*			3503MH0008500001203759S00				

last update: 17_June_2022

Sol 3505 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Tipuru													
mhli00359	context view	intended standoff - 25 cm											
	3505MH0003590011203775C00	3775	13046	24.9	23.0	-1.6	1.7	94.4	5.8	1608	1198	15.2	11.3
	corresponding focus merge products:	*best focus product:*		3505MH0002580001203808R00			*range map product:*		3505MH0002580001203809S00				
MAHLI sky flat field images - dust cover closed - first set													
mhli00712	close focus - ~2.04 cm working distance focus position - manual focus												
	3505MH0007120001203784C00	3784	0	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	2 cm standoff equivalent - ~3.9 cm working distance focus position - manual focus												
	3505MH0007120011203785C00	3785	2412	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	5 cm standoff equivalent - ~6.9 cm working distance focus position - manual focus												
	3505MH0007120021203786C00	3786	3078	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	25 cm standoff equivalent - ~26.9 cm working distance focus position - manual focus												
	3505MH0007120031203787C00	3787	4062	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	infinity focus - manual focus												
	3505MH0007120041203788C00	3788	4488	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
MAHLI sky flat field images - dust cover open - first set													
mhli00453	close focus - ~2.04 cm working distance focus position - manual focus												
	3505MH0004530001203789C00	3789	15996	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	2 cm standoff equivalent - ~3.9 cm working distance focus position - manual focus												
	3505MH0004530011203790C00	3790	14664	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	5 cm standoff equivalent - ~6.9 cm working distance focus position - manual focus												
	3505MH0004530021203791C00	3791	13998	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	25 cm standoff equivalent - ~26.9 cm working distance focus position - manual focus												
	3505MH0004530031203792C00	3792	13014	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	pre-launch flat field equivalent - ~63.3 cm working distance focus position - manual focus												
	3505MH0004530041203793C00	3793	12750	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	infinity focus - manual focus												
	3505MH0004530051203794C00	3794	12552	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
MAHLI sky flat field images - dust cover open - second set (camera rotated approximately 180° relative to first set)													
mhli00453	close focus - ~2.04 cm working distance focus position - manual focus												
	3505MH0004530001203795C00	3795	15996	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	2 cm standoff equivalent - ~3.9 cm working distance focus position - manual focus												
	3505MH0004530011203796C00	3796	14664	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	5 cm standoff equivalent - ~6.9 cm working distance focus position - manual focus												
	3505MH0004530021203797C00	3797	13998	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	25 cm standoff equivalent - ~26.9 cm working distance focus position - manual focus												
	3505MH0004530031203798C00	3798	13014	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	pre-launch flat field equivalent - ~63.3 cm working distance focus position - manual focus												
	3505MH0004530041203799C00	3799	12750	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	infinity focus - manual focus												
	3505MH0004530051203800C00	3800	12552	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
MAHLI sky flat field images - dust cover closed - second set (camera rotated approximately 180° relative to first set)													
mhli00712	close focus - ~2.04 cm working distance focus position - manual focus												
	3505MH0007120001203801C00	3801	0	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	2 cm standoff equivalent - ~3.9 cm working distance focus position - manual focus												
	3505MH0007120011203802C00	3802	2412	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	5 cm standoff equivalent - ~6.9 cm working distance focus position - manual focus												
	3505MH0007120021203803C00	3803	3078	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	25 cm standoff equivalent - ~26.9 cm working distance focus position - manual focus												
	3505MH0007120031203804C00	3804	4062	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
	infinity focus - manual focus												
	3505MH0007120041203805C00	3805	4488	n/a	n/a	n/a	n/a	n/a	n/a	1608	1198	n/a	n/a
REMS UV sensor													
mhli00095	standard viewing position	intended standoff: ~15 cm											
	3505MH0000950011203807C00	3807	13259	16.7	14.8	-0.7	0.8	65.8	2.7	1608	1198	10.6	7.9

last update: 20_June_2022

Sol 3508 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Kukui													
mhli00781	**context view**	**intended standoff - 25 cm**											
	3508MH0007810011203811C00	3811	13011	26.9	25.0	-1.8	2.1	101.6	6.8	1608	1198	16.3	12.2
	corresponding focus merge products:	*best focus product:*		3508MH0001710001203905R00		*range map product:*			3508MH0001710001203906S00				
mhli00798	**intermediate-resolution stereo-1**	**intended standoff - 10 cm**											
	3508MH0007980011203822C00	3822	13579	10.7	8.8	-0.3	0.3	44.7	1.2	1608	1198	7.2	5.4
	corresponding focus merge products:	*best focus product:*		3508MH0001710001203903R00		*range map product:*			3508MH0001710001203904S00				
mhli00798	**intermediate-resolution stereo-2**	**intended standoff - 10 cm**											
	3508MH0007980011203833C00	3833	13583	10.7	8.8	-0.3	0.3	44.5	1.2	1608	1198	7.2	5.3
	corresponding focus merge products:	*best focus product:*		3508MH0001710001203901R00		*range map product:*			3508MH0001710001203902S00				
target named Salto_Angel													
mhli00706	**context view**	**intended standoff - 25 cm**											
	3508MH0007060011203844C00	3844	13032	25.6	23.7	-1.7	1.9	97.1	6.2	1608	1198	15.6	11.6
mhli00852	**intermediate-resolution stereo-1**	**intended standoff - 10 cm**											
	3508MH0008520011203847C00	3847	13596	10.5	8.6	-0.3	0.3	43.9	1.1	1608	1198	7.1	5.3
	corresponding focus merge products:	*best focus product:*		3508MH0001710001203899R00		*range map product:*			3508MH0001710001203900S00				
mhli00852	**intermediate-resolution stereo-2**	**intended standoff - 10 cm**											
	3508MH0008520011203858C00	3858	13601	10.5	8.6	-0.3	0.3	43.7	1.1	1608	1198	7.0	5.2
	corresponding focus merge products:	*best focus product:*		3508MH0001710001203897R00		*range map product:*			3508MH0001710001203898S00				
target named Opadai													
mhli00706	**context view**	**intended standoff - 25 cm**											
	3508MH0007060011203869C00	3869	13032	25.6	23.7	-1.7	1.9	97.1	6.2	1608	1198	15.6	11.6
mhli00851	**intermediate-resolution stereo-1**	**intended standoff - 10 cm**											
	3508MH0008510011203872C00	3872	13572	10.8	8.9	-0.3	0.3	45.0	1.2	1608	1198	7.2	5.4
	corresponding focus merge products:	*best focus product:*		3508MH0001710001203895R00		*range map product:*			3508MH0001710001203896S00				
mhli00851	**intermediate-resolution stereo-2**	**intended standoff - 10 cm**											
	3508MH0008510011203883C00	3883	13571	10.8	8.9	-0.3	0.3	45.1	1.2	1608	1198	7.2	5.4
	corresponding focus merge products:	*best focus product:*		3508MH0001710001203893R00		*range map product:*			3508MH0001710001203894S00				

last update: 23_June_2022

Sol 3511 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
intended drill target named Avanavero - before DRT													
mhli00190	**context view**	intended standoff - 25 cm											
	3511MH0001900011203908C00	3908	13022	26.2	24.3	-1.7	2.0	99.2	6.5	1608	1198	16.0	11.9
mhli00122	**medium-resolution view**	intended standoff - 5 cm											
	3511MH0001220011203910C00	3910	14013	6.8	4.9	-0.2	0.2	30.7	0.5	1608	1198	4.9	3.7
intended drill target named Avanavero - after DRT													
mhli00190	**context view**	intended standoff - 25 cm											
	3511MH0001900011203912C00	3912	13020	26.3	24.4	-1.7	2.0	99.6	6.5	1608	1198	16.0	11.9
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	APXS raster spot 2												
	3511MH0001820011203914C00	3914	14013	6.8	4.9	-0.2	0.2	30.7	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3511MH0001530001203961R00				*range map product:*		3511MH0001530001203962S00			
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	APXS raster spot 2												
	3511MH0001820011203924C00	3924	14018	6.7	4.8	-0.2	0.2	30.6	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3511MH0001530001203959R00				*range map product:*		3511MH0001530001203960S00			
mhli00796	**high resolution view**	intended standoff - 1 cm											
	APXS raster spot 2												
	3511MH0007960011203934C00	3934	15137	2.8	0.9	-0.1	0.1	16.6	0.2	1608	1198	2.7	2.0
	corresponding focus merge products:	*best focus product:*		3511MH0001530001203957R00				*range map product:*		3511MH0001530001203958S00			
mhli00182	**medium-resolution view**	intended standoff - 5 cm											
	APXS raster spot 1												
	3511MH0001820011203944C00	3944	14004	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3511MH0001530001203955R00				*range map product:*		3511MH0001530001203956S00			
intended drill target named Avanavero - after drill bit pre-load test													
mhli00465	**context view**	intended standoff - 35 cm											
	3511MH0004650011203954C00	3954	12898	36.2	34.3	-3.2	3.9	134.2	12.4	1608	1198	21.6	16.1

last update: 24_June_2022

Sol 3512 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
intended sample discard site for planned Avanavero drill sample													
mhli00190	context view	intended standoff - 25 cm											
	3512MH0001900011203964C00	3964	13017	26.5	24.6	-1.8	2.0	100.3	6.6	1608	1198	16.1	12.0

last update: 11_July_2022

Sol 3528 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
Avanavero drill hole													
mhli00190	**context view**	intended standoff - 25 cm											
	3528MH0001970011203966C00	3966	13035	25.5	23.6	-1.6	1.8	96.5	6.1	1608	1198	15.5	11.6
mhli00774	**intermediate-resolution view**	intended standoff - 10 cm											
	3528MH0007740011203968C00	3968	13583	10.7	8.8	-0.3	0.3	44.5	1.2	1608	1198	7.2	5.3
Avanavero drill hole cuttings													
mhli00122	**medium-resolution view**	intended standoff - 5 cm											
	3528MH0001220011203970C00	3970	14164	5.9	4.0	-0.1	0.1	27.6	0.4	1608	1198	4.4	3.3

last update: 12_July_2022

Sol 3530 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
Avanavero drill hole cuttings													
mhli00122	**medium-resolution view**	intended standoff - 5 cm											
	3530MH0001220011203972C00	3972	13937	7.3	5.4	-0.2	0.2	32.5	0.6	1608	1198	5.2	3.9
target named La_Laja													
mhli00190	**context view**	intended standoff - 25 cm											
	3530MH0001900011203974C00	3974	13026	26.0	24.1	-1.7	1.9	98.4	6.4	1608	1198	15.8	11.8
mhli00306	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3530MH0003060011203976C00	3976	14113	6.2	4.3	-0.1	0.1	28.6	0.5	1608	1198	4.6	3.4
	corresponding focus merge products:	*best focus product:*		3530MH0002650001203997R00				*range map product:*		3530MH0002650001203998S00			
mhli00306	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3530MH0003060011203986C00	3986	14109	6.2	4.3	-0.1	0.1	28.7	0.5	1608	1198	4.6	3.4
	corresponding focus merge products:	*best focus product:*		3530MH0002650001203995R00				*range map product:*		3530MH0002650001203996S00			

last update: 13_July_2022

Sol 3531 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Uai_Uai													
mhli00190	**context view**	intended standoff - 25 cm											
	3531MH0001900011204000C00	4000	13019	26.4	24.5	-1.8	2.0	99.8	6.6	1608	1198	16.1	12.0
mhli00168	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3531MH0001680011204002C00	4002	14020	6.7	4.8	-0.2	0.1	30.5	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3531MH0001930001204035R00				*range map product:*	3531MH0001930001204036S00				
mhli00168	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3531MH0001680011204012C00	4012	14018	6.7	4.8	-0.2	0.2	30.6	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3531MH0001930001204033R00				*range map product:*	3531MH0001930001204034S00				
mhli00743	**high resolution view**	intended standoff - 1 cm											
	3531MH0007430011204022C00	4022	15190	2.7	0.8	0.0	0.1	16.3	0.2	1608	1198	2.6	2.0
	corresponding focus merge products:	*best focus product:*		3531MH0001930001204031R00				*range map product:*	3531MH0001930001204032S00				

last update: 15_July_2022

Sol 3532 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Seringa - after DRT													
mhli00706	**context view**	intended standoff - 25 cm											
	3532MH0007060011204038C00	4038	13019	26.4	24.5	-1.8	2.0	99.8	6.6	1608	1198	16.1	12.0
mhli00834	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3532MH0008340011204041C00	4041	13999	6.9	5.0	-0.2	0.2	31.0	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*	3533MH0001700001204148R00				*range map product:*	3533MH0001700001204149S00					
mhli00834	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3532MH0008340011204052C00	4052	14002	6.8	4.9	-0.2	0.2	30.9	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*	3533MH0001700001204146R00				*range map product:*	3533MH0001700001204147S00					
mhli00813	**high resolution view**	intended standoff - 2 cm											
	3532MH0008130011204063C00	4063	14688	3.8	1.9	-0.1	0.1	20.3	0.3	1608	1198	3.3	2.4
	corresponding focus merge products:	*best focus product:*	3533MH0001700001204144R00				*range map product:*	3533MH0001700001204145S00					
target named La_Manare													
mhli00706	**context view**	intended standoff - 25 cm											
	3532MH0007060011204074C00	4074	13006	27.2	25.3	-1.9	2.1	102.7	7.0	1608	1198	16.5	12.3
mhli00723	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3532MH0007230011204077C00	4077	13896	7.6	5.7	-0.2	0.2	33.6	0.7	1608	1198	5.4	4.0
	corresponding focus merge products:	*best focus product:*	3533MH0001700001204142R00				*range map product:*	3533MH0001700001204143S00					
mhli00723	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3532MH0007230011204088C00	4088	13912	7.5	5.6	-0.2	0.2	33.2	0.6	1608	1198	5.3	4.0
	corresponding focus merge products:	*best focus product:*	3533MH0001700001204140R00				*range map product:*	3533MH0001700001204141S00					
mhli00800	**high resolution view**	intended standoff - 2 cm											
	3532MH0008000011204099C00	4099	14459	4.6	2.7	-0.1	0.1	23.0	0.3	1608	1198	3.7	2.8
	corresponding focus merge products:	*best focus product:*	3533MH0001700001204138R00				*range map product:*	3533MH0001700001204139S00					
target named Caruai													
mhli00706	**context view**	intended standoff - 25 cm											
	3532MH0007060011204110C00	4110	13041	25.1	23.2	-1.6	1.8	95.4	6.0	1608	1198	15.3	11.4
mhli00709	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3532MH0007090011204113C00	4113	14255	5.4	3.5	-0.1	0.1	26.0	0.4	1608	1198	4.2	3.1
	corresponding focus merge products:	*best focus product:*	3533MH0001700001204136R00				*range map product:*	3533MH0001700001204137S00					
mhli00709	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3532MH0007090011204124C00	4124	14244	5.5	3.6	-0.1	0.1	26.2	0.4	1608	1198	4.2	3.1
	corresponding focus merge products:	*best focus product:*	3533MH0001700001204134R00				*range map product:*	3533MH0001700001204135S00					

last update: 19_July_2022

Sol 3534 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Monte_Caburai													
mhli00190	**context view**	intended standoff - 25 cm											
	3534MH0001900011204151C00	4151	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
mhli00299	**medium-resolution stereo-1**	intended standoff - 5 cm											
	APXS raster spot 2												
	3534MH0002990011204153C00	4153	13982	7.0	5.1	-0.2	0.2	31.4	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204275R00				*range map product:*	3536MH0003690001204276S00				
mhli00299	**medium-resolution stereo-2**	intended standoff - 5 cm											
	APXS raster spot 2												
	3534MH0002990011204163C00	4163	13978	7.0	5.1	-0.2	0.2	31.5	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204273R00				*range map product:*	3536MH0003690001204274S00				
mhli00419	**high resolution view**	intended standoff - 1 cm											
	APXS raster spot 2												
	3534MH0004190011204173C00	4173	15026	3.0	1.1	-0.1	0.1	17.4	0.2	1608	1198	2.8	2.1
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204271R00				*range map product:*	3536MH0003690001204272S00				
mhli00299	**medium-resolution view**	intended standoff - 5 cm											
	APXS raster spot 1												
	3534MH0002990011204183C00	4183	13992	6.9	5.0	-0.2	0.2	31.2	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204269R00				*range map product:*	3536MH0003690001204270S00				
target named Ilha_Novo_Destino - a 2 x 3 mosaic													
mhli00853	**position 1 of 6**	intended standoff - 30 cm											
	3534MH0008530011204193C00	4193	12927	33.3	31.4	-2.7	3.2	124.0	10.5	1608	1198	19.9	14.9
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204267R00				*range map product:*	3536MH0003690001204268S00				
mhli00853	**position 2 of 6**	intended standoff - 30 cm											
	3534MH0008530011204203C00	4203	13087	22.8	20.9	-1.3	1.5	87.2	4.9	1608	1198	14.0	10.4
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204265R00				*range map product:*	3536MH0003690001204266S00				
mhli00853	**position 3 of 6**	intended standoff - 30 cm											
	3534MH0008530011204213C00	4213	13151	20.1	18.2	-1.1	1.1	77.8	3.8	1608	1198	12.5	9.3
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204263R00				*range map product:*	3536MH0003690001204264S00				
mhli00853	**position 4 of 6**	intended standoff - 30 cm											
	3534MH0008530011204223C00	4223	13171	19.4	17.5	-1.0	1.0	75.3	3.6	1608	1198	12.1	9.0
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204261R00				*range map product:*	3536MH0003690001204262S00				
mhli00853	**position 5 of 6**	intended standoff - 30 cm											
	3534MH0008530011204233C00	4233	13039	25.2	23.3	-1.6	1.8	95.8	6.0	1608	1198	15.4	11.5
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204259R00				*range map product:*	3536MH0003690001204260S00				
mhli00853	**position 6 of 6**	intended standoff - 30 cm											
	3534MH0008530011204243C00	4243	13005	27.3	25.4	-1.9	2.1	102.9	7.0	1608	1198	16.5	12.3
	corresponding focus merge products:	*best focus product:*		3536MH0003690001204257R00				*range map product:*	3536MH0003690001204258S00				

last update: 18_July_2022

Sol 3535 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.
Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.
Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.
Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
CheMin sample inlet - at night with its cover open - deep imaging to check cleanliness state of mesh, funnel, funnel throat													
intended working distance to mesh is 12.4 cm; to funnel throat is 16.3 cm - for scale, note that mesh diameter is 3.5 cm													
mhli00312	**image focused at funnel throat (~4 cm below mesh) - position 1 of 3 to inspect funnel throat**												
	manual focus	**intended distance to funnel throat: 16.3 cm**											
	3535MH0003120001204252C00	4252	13272	16.4	14.5	-0.7	0.7	64.6	2.6	1024	1024	6.6	6.6
	image focused at mesh												
	manual focus	**intended distance to mesh: 12.4 cm**											
	3535MH0003120011204253C00	4253	13458	12.5	10.6	-0.4	0.4	51.0	1.5	1024	1024	5.2	5.2
mhli00326	**image focused at funnel throat (~4 cm below mesh) - position 2 of 3 to inspect funnel throat**												
	manual focus	**intended distance to funnel throat: 16.3 cm**											
	3535MH0003260001204254C00	4254	13272	16.4	14.5	-0.7	0.7	64.6	2.6	1024	1024	6.6	6.6
mhli00326	**image focused at funnel throat (~4 cm below mesh) - position 3 of 3 to inspect funnel throat**												
	manual focus	**intended distance to funnel throat: 16.3 cm**											
	3535MH0003260001204255C00	4255	13272	16.4	14.5	-0.7	0.7	64.6	2.6	1024	1024	6.6	6.6
CheMin sample inlet - at night with its cover open - overview of entire inlet													
intended working distance to inlet is ~19 cm - for scale, note that mesh diameter is 3.5 cm													
mhli00228	**manual focus**	**intended distance: ~19 cm**											
	3535MH0002280001204256C00	4256	13182	19.1	17.2	-0.9	1.0	74.0	3.4	1608	1198	11.9	8.9

last update: 19_July_2022

Sol 3537 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Cerro_Raya													
mhli00190	**context view**	intended standoff - 25 cm											
	3537MH0001900011204278C00	4278	13033	25.6	23.7	-1.7	1.9	96.9	6.2	1608	1198	15.6	11.6
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3537MH0001820011204280C00	4280	14192	5.7	3.8	-0.1	0.1	27.1	0.4	1608	1198	4.4	3.2
	corresponding focus merge products:	*best focus product:*		3537MH0002650001204301R00				*range map product:*		3537MH0002650001204302S00			
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3537MH0001820011204290C00	4290	14194	5.7	3.8	-0.1	0.1	27.0	0.4	1608	1198	4.3	3.2
	corresponding focus merge products:	*best focus product:*		3537MH0002650001204299R00				*range map product:*		3537MH0002650001204300S00			

last update: 25_July_2022

Sol 3539 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Surama													
mhli00190	**context view**	intended standoff - 25 cm											
	3539MH0001900011204304C00	4304	13009	27.0	25.1	-1.8	2.1	102.0	6.9	1608	1198	16.4	12.2
mhli00306	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3539MH0003060011204306C00	4306	13980	7.0	5.1	-0.2	0.2	31.5	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3540MH0001530001204354R00				*range map product:*	3540MH0001530001204355S00				
mhli00306	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3539MH0003060011204316C00	4316	13982	7.0	5.1	-0.2	0.2	31.4	0.6	1608	1198	5.1	3.8
	corresponding focus merge products:	*best focus product:*		3540MH0001530001204352R00				*range map product:*	3540MH0001530001204353S00				
target named Amajari													
mhli00190	**context view**	intended standoff - 25 cm											
	3539MH0001900011204326C00	4326	13024	26.1	24.2	-1.7	1.9	98.8	6.4	1608	1198	15.9	11.8
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3539MH0001820011204328C00	4328	14106	6.2	4.3	-0.1	0.1	28.7	0.5	1608	1198	4.6	3.4
	corresponding focus merge products:	*best focus product:*		3540MH0001530001204350R00				*range map product:*	3540MH0001530001204351S00				
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3539MH0001820011204338C00	4338	14114	6.2	4.3	-0.1	0.1	28.6	0.5	1608	1198	4.6	3.4
	corresponding focus merge products:	*best focus product:*		3540MH0001530001204348R00				*range map product:*	3540MH0001530001204349S00				
inspect right middle rover wheel/surface interface													
mhli00261	right (starboard) middle wheel												
	manual focus	intended distance to wheel-surface interface: ~274 cm											
	3539MH0002610011204347E01	4347	12582	~334	~332	~-1.6 m	~4.9 m	~1200	n/a	1608	1198	~193	~144

last update: 26_July_2022

Sol 3541 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Benhori_Bumoko													
mhli00190	**context view**	intended standoff - 25 cm											
	3541MH0001900011204357C00	4357	13014	26.7	24.8	-1.8	2.0	100.9	6.7	1608	1198	16.2	12.1
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3541MH0001820011204359C00	4359	13984	7.0	5.1	-0.2	0.2	31.4	0.6	1608	1198	5.0	3.8
	corresponding focus merge products:	*best focus product:*		3543MH0001630001204432R00				*range map product:*		3543MH0001630001204433S00			
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3541MH0001820011204369C00	4369	13987	6.9	5.0	-0.2	0.2	31.3	0.6	1608	1198	5.0	3.7
	corresponding focus merge products:	*best focus product:*		3543MH0001630001204430R00				*range map product:*		3543MH0001630001204431S00			
mhli00302	**high resolution view**	intended standoff - 2 cm											
	3541MH0003020011204379C00	4379	14642	4.0	2.1	-0.1	0.1	20.8	0.3	1608	1198	3.3	2.5
	corresponding focus merge products:	*best focus product:*		3543MH0001630001204428R00				*range map product:*		3543MH0001630001204429S00			
target named Serra_da_Mocidade													
mhli00190	**context view**	intended standoff - 25 cm											
	3541MH0001900011204389C00	4389	13032	25.6	23.7	-1.7	1.9	97.1	6.2	1608	1198	15.6	11.6
target named Motocuruna- after DRT													
mhli00190	**context view**	intended standoff - 25 cm											
	3541MH0001900011204391C00	4391	13019	26.4	24.5	-1.8	2.0	99.8	6.6	1608	1198	16.1	12.0
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3541MH0001820011204393C00	4393	14017	6.7	4.8	-0.2	0.2	30.6	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3543MH0001630001204426R00				*range map product:*		3543MH0001630001204427S00			
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3541MH0001820011204403C00	4403	14017	6.7	4.8	-0.2	0.2	30.6	0.5	1608	1198	4.9	3.7
	corresponding focus merge products:	*best focus product:*		3543MH0001630001204424R00				*range map product:*		3543MH0001630001204425S00			
mhli00302	**high resolution view**	intended standoff - 2 cm											
	3541MH0003020011204413C00	4413	14733	3.7	1.8	-0.1	0.1	19.9	0.2	1608	1198	3.2	2.4
	corresponding focus merge products:	*best focus product:*		3543MH0001630001204422R00				*range map product:*		3543MH0001630001204423S00			

last update: 26_July_2022

Sol 3544 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Tumereng													
mhli00628	**context view**	intended standoff - 25 cm											
	3544MH0006280011204435C00	4435	13018	26.5	24.6	-1.8	2.0	100.0	6.6	1608	1198	16.1	12.0
	corresponding focus merge products:	*best focus product:*		3544MH0001930001204468R00		*range map product:*			3544MH0001930001204469S00				
mhli00673	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3544MH0006730011204445C00	4445	14104	6.2	4.3	-0.1	0.1	28.8	0.5	1608	1198	4.6	3.4
	corresponding focus merge products:	*best focus product:*		3544MH0001930001204466R00		*range map product:*			3544MH0001930001204467S00				
mhli00673	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3544MH0006730011204455C00	4455	14301	5.2	3.3	-0.1	0.1	25.3	0.4	1608	1198	4.1	3.0
	corresponding focus merge products:	*best focus product:*		3544MH0001930001204464R00		*range map product:*			3544MH0001930001204465S00				

last update: 29_July_2022

Sol 3546 - MAHLI Image Range & Scale Information*

*Note that other images might have been acquired; this table does not describe all images; it describes each camera positioning.

Working distance is a photography term; it is the range from the MAHLI front lens element (sapphire window) to the target.

Standoff distance is measured from the plane defined by the tips of the MAHLI contact sensor probes to the target.

Range, Scale, and DOF are computed from Motor Count using the equations from version 2 of Edgett et al. (2015, https://doi.org/10.13140/RG.2.1.3798.5447).

Sequence	Image ID*	MSL:CAMERA_PRODUCT_ID (CDPID)	Motor Count	Range or Working Distance from motor mount (cm)	Standoff (MAHLI Toolframe +X) from motor count (cm)	Depth of Field estimate		Pixel Scale (µm/pixel)	Pixel Scale uncertainty (± µm/pixel)	Illuminated Pixels on CCD (approximate)		Image Dimensions (cm) (approximate)	
						near (cm)	far (cm)			horiz-ontal	vertical	horizontal (CCD columns)	vertical (CCD rows)
target named Simoni													
mhli00706	**context view**	intended standoff - 25 cm											
	3546MH0007060011204471C00	4471	13030	25.8	23.9	-1.7	1.9	97.6	6.3	1608	1198	15.7	11.7
mhli00224	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3546MH0002240011204474C00	4474	14153	5.9	4.0	-0.1	0.1	27.8	0.5	1608	1198	4.5	3.3
	corresponding focus merge products:	*best focus product:*		3547MH0002270001204534R00		*range map product:*			3547MH0002270001204535S00				
mhli00224	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3546MH0002240011204484C00	4484	14148	6.0	4.1	-0.1	0.1	27.9	0.5	1608	1198	4.5	3.3
	corresponding focus merge products:	*best focus product:*		3547MH0002270001204532R00		*range map product:*			3547MH0002270001204533S00				
target named Lilas - after DRT													
mhli00706	**context view**	intended standoff - 25 cm											
	3546MH0007060011204494C00	4494	13020	26.3	24.4	-1.7	2.0	99.6	6.5	1608	1198	16.0	11.9
mhli00182	**medium-resolution stereo-1**	intended standoff - 5 cm											
	3546MH0001820011204497C00	4497	14025	6.7	4.8	-0.2	0.1	30.4	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3547MH0002270001204530R00		*range map product:*			3547MH0002270001204531S00				
mhli00182	**medium-resolution stereo-2**	intended standoff - 5 cm											
	3546MH0001820011204507C00	4507	14030	6.7	4.8	-0.2	0.1	30.3	0.5	1608	1198	4.9	3.6
	corresponding focus merge products:	*best focus product:*		3547MH0002270001204528R00		*range map product:*			3547MH0002270001204529S00				
mhli00426	**high resolution view**	intended standoff - 1 cm											
	3546MH0004260011204517C00	4517	15184	2.7	0.8	0.0	0.1	16.3	0.2	1608	1198	2.6	2.0
	corresponding focus merge products:	*best focus product:*		3547MH0002270001204526R00		*range map product:*			3547MH0002270001204527S00				

5 Focus merge product information

5.1 Purpose and description

The MAHLI *Focus Merge Product Information Sheets* provide information about the best focus and range map products created by focus merges performed onboard the MAHLI instrument.

The information includes:

1. thumbnail images representing the appearance of each best focus and range map product;

2. a brief title or description of the image target and purpose;

3. the Sol and date (UTC) that the merged parent images were acquired;

4. the Sol on which the focus merge took place,

5. image IDs for the focus merge products and a corresponding full-frame image;

6. the MAHLI command sequence that acquired the parent images and the command sequence that created the focus merge products;

7. the commanded stack depth; that is, the number of parent images acquired in a given focus stack;

8. the type of focus stack (relative or absolute; see definitions in **Section 7**);

9. a list of the thumbnail image IDs for the parent images acquired in the focus stack (because, in some cases, these are the only versions of the focus stack images that are received on Earth);

10. the focus position (stepper motor count) for each parent image in the focus stack;

11. the range and range uncertainty determined from the focus position (motor count) of each parent image; and

12. the grayscale DN value corresponding to each parent image motor count and range in the focus merge range map product.

Further, for each parent image, the *Focus Merge Product Information Sheets* state whether any of the full-size images (Individual Focus Stack Images) were received on Earth, listing:

13. the image ID of the full-size parent or child image, if received on Earth;

14. the date on which the full-size image was received (applicable only to *Focus Merge Product Information Sheets* for the period between Sol 0 and 946 after that, with the exception of Sol 930, this practice was abandoned as unnecessary);

15. the compression quality of the best version of the image, if received on Earth (this practice was later abandoned as unnecessary); and

16. a statement regarding the fate of parent images not received on Earth; that is, the Sol on which the parent was deleted from the data storage inside the instrument's digital electronics assembly (DEA).

Each MAHLI *Focus Merge Product Information Sheet* is identified by the Sol on which the parent images were acquired. The onboard merge, in some cases, might have been performed on a later sol.

The parent images identified in rows that are colored orange, if they have a corresponding DN value in a yellow-colored column, are those that participated in the creation of the focus merge product. In other words, those that are in white rows (for which there is a corresponding DN in the yellow column) had no in-focus elements and thus were not incorporated into the merged product, even if they had been commanded to be merged. Which images were commanded to be merged can be determined by the yellow-colored column that indicates the corresponding DN values in the range map image product; for cases in which the commanded focus stack depth is > 8, the corresponding DN values (yellow-colored column) will indicate the 8 commanded to be merged (the instrument cannot merge > 8 but it can acquire > 8 images in a focus stack).

In cases in which the focus stack parent images were returned to Earth, the data user has the option to perform a new focus merge using software approaches available on Earth, now or in the future, which might outperform the MAHLI onboard algorithm. The user also has the opportunity, in these cases, to improve each parent image before performing the merge (*e.g.*, remove blemishes, perform flat field correction, etc.).

When a > 8 image focus stack has been acquired, the orange-colored rows can *also* indicate recommendations for images that would contain in-focus elements and could be added to a future focus merge product, whether performed onboard MAHLI or on Earth after receipt of the full-size images. Those images that are recommended, but were not merged onboard, have no "Corresponding DN in Range Map" in the yellow, rightmost columns of the *Focus Merge Product Information Sheets.*

For the Sol 3424–3547 period, focus stacks that were merged onboard the instrument were acquired on **Sols 3425, 3428, 3432, 3436, 3439, 3442, 3444, 3447, 3449, 3451, 3453, 3456, 3458, 3459, 3462, 3465, 3466, 3469, 3471, 3473, 3476, 3478, 3480, 3483, 3485, 3488, 3491, 3493, 3503, 3505, 3508, 3511, 3530, 3531, 3532, 3534, 3537, 3539, 3541, 3544, 3546**. Unless otherwise stated, the onboard focus merges performed during this period were all of the "basic" type (see Edgett *et al.* 2012; Edgett *et al.* 2015).

5.2 Formulae

5.2.1 Range

When acquiring a focus stack, the MAHLI camera head is held in a fixed position. This means that the working distance (d_w) — and corresponding standoff distance (d_s) — is constant (see **Section 5.2.5**). However, each image acquired in a focus stack is done so at a different focus

position; that is, a different stepper motor count position (m_{open} or m_{closed}; usually m_{open}). That motor count is related to the range (r_{fm}) between the front lens element of the camera and the in-focus elements of the image by the same empirical formula (**Equation 1**) as applied to determine working distance from motor count. In centimeters,

$$r_{fm} = (am_{open}^{-1} + b + cm_{open} + dm_{open}^{2} + em_{open}^{3})^{-1}, \quad (12)$$

in which $a = 0.576786$, $b = -11.8479$, $c = 2.80153\times10^{-3}$, $d = -2.266488\times10^{-7}$, and $e = 6.26666\times10^{-12}$.

For each parent image in a given focus stack, this range is given in the green-colored column on the right side of each MAHLI *Focus Merge Product Information Sheet*.

5.2.2 Range uncertainty estimate

The uncertainty ($\pm r_{uncertainty}$, in centimeters) in the computed range (r_{fm}) is estimated using depth of field as related to the corresponding range (via motor count; **Equation 12**) for each merged parent image. The range uncertainty estimate is noted in the light green column on the lower right side of each MAHLI *Focus Merge Product Information Sheet*.

Focus Merge Product Information Sheets in which the relevant column is labeled "Estimated Range Uncertainty"

For MAHLI *Focus Merge Product Information Sheets* created before Sol 942, our estimate of range uncertainty was based on the older (Edgett *et al.* 2013) depth of field equations described in **Section 4.2.3**, **Equations 4, 5, and 6**, in which we substituted r_{fm} for d_w.

Focus Merge Product Information Sheets in which the relevant column is labeled "Depth of Field"

For MAHLI *Focus Merge Product Information Sheets* created starting with Sol 942, we used the refined knowledge of MAHLI depth of field, described by Edgett *et al.* (2015) and in **Equation 7** of **Section 4.2.3** to determine d_{far} and d_{near} for each focus stack parent image motor count. The resulting range uncertainty estimate ($\pm r_{uncertainty}$, in centimeters) reported in the light green column on the lower right side of the corresponding *Focus Merge Product Information Sheet* is estimated by the average of the absolute values of d_{far} and d_{near}:

$$\pm r_{uncertainty} = ((-d_{near}) + d_{far})/2. \quad (13)$$

Alternatively, particularly after Sol 1000, the depth of field is reported in the form of both the near and far (d_{far} and d_{near}) depths of field, per **Equation 7**.

5.2.3 Corresponding DN in range map product

Focus merge range map products created onboard MAHLI are returned as grayscale JPEG compressed images. The pixel values (DN) range from 0 to 255. These are assigned by the onboard software on the basis of commanded focus stack depth. The table below, from Edgett *et al.* (2015), shows the relationship between each image commanded to be focus merged and its corresponding grayscale DN value in a MAHLI range map product. In other words, if the instrument is commanded to merge eight images, DN values are assigned according to the

second column in the table; if commanded to merge only four images, the corresponding DN values are those in the sixth column. Thus, each DN in a range map product can be related to a motor count position and a corresponding range via linear interpolation between these values.

Relation between commanded image participant in an onboard MAHLI focus merge and range map grayscale data value (DN)							
image commanded to be merged	**DN for 8-image merge**	**DN for 7-image merge**	**DN for 6-image merge**	**DN for 5-image merge**	**DN for 4-image merge**	**DN for 3-image merge**	**DN for 2-image merge**
1st	255	255	255	255	255	255	255
2nd	223	218	212	204	191	170	127
3rd	191	182	170	153	127	84	—
4th	159	145	127	102	63	—	—
5th	127	109	84	51	—	—	—
6th	95	72	42	—	—	—	—
7th	63	36	—	—	—	—	—
8th	31	—	—	—	—	—	—

5.2.4 Determination of which parent images participated in a given focus merge product (orange rows)

Focus merge parent images in the orange-colored rows on each of the *Focus Merge Product Information Sheets* are an indicator of the images that were actually merged. A merge of up to 8 images might be commanded, but perhaps only 3, 4, or 5 of them actually exhibit in-focus elements the get incorporated into the best focus image product.

As discussed by Edgett *et al.* (2015), the parent images that were actually merged, relative to the number commanded to be merged (indicated by the number of yellow-colored rows regarding the corresponding DN in the range map products on the right side of each *Focus Merge Product Information Sheet*), are determined by the range of grayscale DN, between 0 and 255, in the focus merge range map product. For example, if the DN range of this product is 71 to 138, then only four of 8 images commanded to be merged participated in that merge, per the DN values corresponding to an 8-image focus merge, per the table above.

5.2.5 Camera working distance and standoff distance

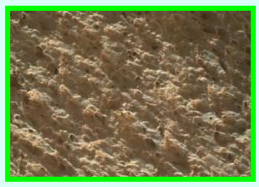
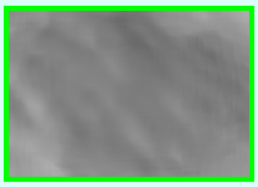
For a given focus stack, the distance between the MAHLI camera head and an imaged target can be determined from a corresponding image acquired via autofocusing (assuming the autofocus effort found focus). In other words, while the range between the camera and the in-focus elements of a parent image are captured by the individual parent images in the focus stack (**Section 5.2.1**), the camera acquired the stack from a fixed working distance. On the MAHLI *Focus Merge Product Information Sheets*, the corresponding autofocused image, and its stepper motor count focus position, are stated on the left side of the sheet, beneath the thumbnail images, in rows and columns colored light blue.

For some *Focus Merge Product Information Sheets*, the working distance (d_w) and standoff distance (d_s) are provided in these blue rows and columns. These were computed from the

motor count position using the same formulae for d_w and d_s described in **Section 4.2** (**Equations 1 and 3**, respectively). Where these values are not given, the data user can apply **Equations 1 and 3** to the motor count, or use the corresponding full-frame image ID to identify the working distance and standoff distance using the *Range and Scale Information Sheets* for that Sol. We began to regularly provide a result for d_w and d_s starting with Sol 694; before that, the cases in which these values are not given are a reflection of the evolution of the production and content of the MAHLI *Focus Merge Product Information Sheets* over time.

updated: 13_December_2022

Sol 3425 - MAHLI Onboard Focus Merge Product Information

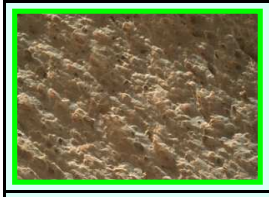
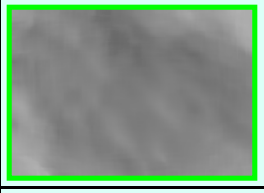
target Burn_Mouth- stereo-1 - relief model position 1 - ~5 cm standoff

			CDPID	corresponding frame:	3425MH0001730011201635C00			
best focus image:	3427MH0001630001201712R00		1712	motor count:	14008	range (cm):	6.8	
range map product:	3427MH0001630001201713S00		1713	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	26-Mar-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	30		acquired on sol:	3425	focus merged on sol:	3427		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3425MH0001730021201636C00	1636	13888	7.64	-0.2	0.2	33.8	0.7	255	1
3425MH0001730021201637C00	1637	13918	7.42	-0.2	0.2	33.0	0.6	223	2
3425MH0001730021201638C00	1638	13948	7.20	-0.2	0.2	32.2	0.6	191	3
3425MH0001730021201639C00	1639	13978	6.99	-0.2	0.2	31.5	0.6	159	4
3425MH0001730021201640C00	1640	14008	6.79	-0.2	0.2	30.8	0.6	127	5
3425MH0001730021201641C00	1641	14038	6.60	-0.2	0.2	30.1	0.5	95	6
3425MH0001730021201642C00	1642	14068	6.42	-0.2	0.1	29.5	0.5	63	7
3425MH0001730021201643C00	1643	14098	6.24	-0.1	0.1	28.9	0.5	31	8

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Sol 3425 - MAHLI Onboard Focus Merge Product Information

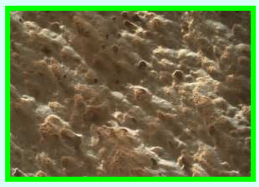
target Burn_Mouth- stereo-2 - relief model position 2 - ~5 cm standoff

			CDPID	corresponding frame:	3425MH0001730011201645C00			
best focus image:	3427MH0001630001201710R00		1710	motor count:	14009	range (cm):	6.8	
range map product:	3427MH0001630001201711S00		1711	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	26-Mar-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	30		acquired on sol:	3425	focus merged on sol:	3427		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3425MH0001730021201646C00	1646	13889	7.63	-0.2	0.2	33.8	0.7	255	1
3425MH0001730021201647C00	1647	13919	7.41	-0.2	0.2	33.0	0.6	223	2
3425MH0001730021201648C00	1648	13949	7.19	-0.2	0.2	32.2	0.6	191	3
3425MH0001730021201649C00	1649	13979	6.98	-0.2	0.2	31.5	0.6	159	4
3425MH0001730021201650C00	1650	14009	6.79	-0.2	0.2	30.8	0.6	127	5
3425MH0001730021201651C00	1651	14039	6.59	-0.2	0.2	30.1	0.5	95	6
3425MH0001730021201652C00	1652	14069	6.41	-0.2	0.1	29.5	0.5	63	7
3425MH0001730021201653C00	1653	14099	6.24	-0.1	0.1	28.9	0.5	31	8

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Sol 3425 - MAHLI Onboard Focus Merge Product Information




target Burn_Mouth- ~1 cm standoff

		CDPID	corresponding frame:	3425MH0008380011201661C00			
best focus image:	3427MH0001630001201708R00	1708	motor count:	15132	range (cm):	2.8	
range map product:	3427MH0001630001201709S00	1709	acquired sequence:	mhli00838	stack type:	Relative	
acquired on date:	26-Mar-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	66	acquired on sol:	3425	focus merged on sol:	3427		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3425MH0008380021201662C00	1662	14868	3.34	-0.1	0.1	18.7	0.2	255	1
3425MH0008380021201663C00	1663	14934	3.18	-0.1	0.1	18.1	0.2	223	2
3425MH0008380021201664C00	1664	15000	3.04	-0.1	0.1	17.6	0.2	191	3
3425MH0008380021201665C00	1665	15066	2.90	-0.1	0.1	17.1	0.2	159	4
3425MH0008380021201666C00	1666	15132	2.77	-0.1	0.1	16.7	0.2	127	5
3425MH0008380021201667C00	1667	15198	2.65	-0.1	0.1	16.2	0.2	95	6
3425MH0008380021201668C00	1668	15264	2.54	-0.1	0.1	15.8	0.2	63	7
3425MH0008380021201669C00	1669	15330	2.43	0.0	0.1	15.4	0.2	31	8

updated: 13_December_2022

Sol 3425 - MAHLI Onboard Focus Merge Product Information



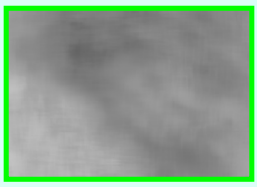

target Donkey_Trail - after DRT - stereo-1 - ~45 mm standoff

		CDPID	corresponding frame:	3425MH0001680011201673C00			
best focus image:	3427MH0001630001201706R00	1706	motor count:	14047	range (cm):	6.5	
range map product:	3427MH0001630001201707S00	1707	acquired sequence:	mhli00168	stack type:	Relative	
acquired on date:	26-Mar-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	18	acquired on sol:	3425	focus merged on sol:	3427		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3425MH0001680021201674C00	1674	13975	7.01	-0.2	0.2	31.6	0.6	255	1
3425MH0001680021201675C00	1675	13993	6.89	-0.2	0.2	31.2	0.6	223	2
3425MH0001680021201676C00	1676	14011	6.77	-0.2	0.2	30.7	0.6	191	3
3425MH0001680021201677C00	1677	14029	6.66	-0.2	0.2	30.3	0.6	159	4
3425MH0001680021201678C00	1678	14047	6.55	-0.2	0.1	29.9	0.5	127	5
3425MH0001680021201679C00	1679	14065	6.44	-0.2	0.1	29.6	0.5	95	6
3425MH0001680021201680C00	1680	14083	6.33	-0.2	0.1	29.2	0.5	63	7
3425MH0001680021201681C00	1681	14101	6.22	-0.1	0.1	28.8	0.5	31	8

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Sol 3425 - MAHLI Onboard Focus Merge Product Information

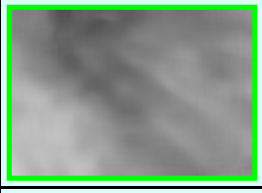
target Donkey_Trail - after DRT - stereo-2 - ~45 mm standoff

			CDPID	corresponding frame:	3425MH0001680011201683C00			
best focus image:	3427MH0001630001201704R00		1704	motor count:	14047	range (cm):	6.5	
range map product:	3427MH0001630001201705S00		1705	acquired sequence:	mhli00168	stack type:	Relative	
acquired on date:	26-Mar-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	18	acquired on sol:	3425	focus merged on sol:	3427			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3425MH0001680021201684C00	1684	13975	7.01	-0.2	0.2	31.6	0.6	255	1
3425MH0001680021201685C00	1685	13993	6.89	-0.2	0.2	31.2	0.6	223	2
3425MH0001680021201686C00	1686	14011	6.77	-0.2	0.2	30.7	0.6	191	3
3425MH0001680021201687C00	1687	14029	6.66	-0.2	0.2	30.3	0.6	159	4
3425MH0001680021201688C00	1688	14047	6.55	-0.2	0.1	29.9	0.5	127	5
3425MH0001680021201689C00	1689	14065	6.44	-0.2	0.1	29.6	0.5	95	6
3425MH0001680021201690C00	1690	14083	6.33	-0.2	0.1	29.2	0.5	63	7
3425MH0001680021201691C00	1691	14101	6.22	-0.1	0.1	28.8	0.5	31	8

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Sol 3425 - MAHLI Onboard Focus Merge Product Information

target Donkey_Trail - after DRT - ~7 mm standoff

			CDPID	corresponding frame:	3425MH0000743001201693C00			
best focus image:	3427MH0001630001201702R00		1702	motor count:	15236	range (cm):	2.6	
range map product:	3427MH0001630001201703S00		1703	acquired sequence:	mhli00743	stack type:	Relative	
acquired on date:	26-Mar-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	36	acquired on sol:	3425	focus merged on sol:	3427			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3425MH0000743002120 1694C00	1694	15092	2.85	-0.1	0.1	16.9	0.2	255	1
3425MH0000743002120 1695C00	1695	15128	2.78	-0.1	0.1	16.7	0.2	223	2
3425MH0000743002120 1696C00	1696	15164	2.71	-0.1	0.1	16.4	0.2	191	3
3425MH0000743002120 1697C00	1697	15200	2.65	-0.1	0.1	16.2	0.2	159	4
3425MH0000743002120 1698C00	1698	15236	2.58	-0.1	0.1	16.0	0.2	127	5
3425MH0000743002120 1699C00	1699	15272	2.52	-0.1	0.1	15.8	0.2	95	6
3425MH0000743002120 1700C00	1700	15308	2.46	0.0	0.1	15.6	0.2	63	7
3425MH0000743002120 1701C00	1701	15344	2.41	0.0	0.1	15.4	0.2	31	8

updated: 13_December_2022

Sol 3428 - MAHLI Onboard Focus Merge Product Information




target Venlaw - after DRT - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3428MH0002990011201717C00				
best focus image:	3429MH0004580001201860R00	1860	motor count:	13988	range (cm):	6.9		
range map product:	3429MH0004580001201861S00	1861	acquired sequence:	mhli00299	stack type:	Relative		
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic		
motor count interval:	36	acquired on sol:	3428	focus merged on sol:	3429			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0002990021201718C00	1718	13844	7.99	-0.2	0.2	35.0	0.7	255	1
3428MH0002990021201719C00	1719	13880	7.70	-0.2	0.2	34.0	0.7	223	2
3428MH0002990021201720C00	1720	13916	7.43	-0.2	0.2	33.1	0.6	191	3
3428MH0002990021201721C00	1721	13952	7.17	-0.2	0.2	32.1	0.6	159	4
3428MH0002990021201722C00	1722	13988	6.92	-0.2	0.2	31.3	0.6	127	5
3428MH0002990021201723C00	1723	14024	6.69	-0.2	0.2	30.4	0.6	95	6
3428MH0002990021201724C00	1724	14060	6.47	-0.2	0.1	29.7	0.5	63	7
3428MH0002990021201725C00	1725	14096	6.25	-0.1	0.1	28.9	0.5	31	8

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Sol 3428 - MAHLI Onboard Focus Merge Product Information



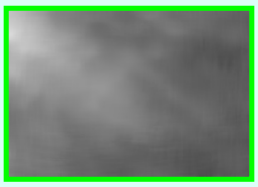

target Venlaw - after DRT - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3428MH0002990011201727C00				
best focus image:	3429MH0004580001201858R00	1858	motor count:	13993	range (cm):	6.9		
range map product:	3429MH0004580001201859S00	1859	acquired sequence:	mhli00299	stack type:	Relative		
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic		
motor count interval:	36	acquired on sol:	3428	focus merged on sol:	3429			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0002990021201728C00	1728	13849	7.95	-0.2	0.2	34.9	0.7	255	1
3428MH0002990021201729C00	1729	13885	7.66	-0.2	0.2	33.9	0.7	223	2
3428MH0002990021201730C00	1730	13921	7.39	-0.2	0.2	32.9	0.6	191	3
3428MH0002990021201731C00	1731	13957	7.14	-0.2	0.2	32.0	0.6	159	4
3428MH0002990021201732C00	1732	13993	6.89	-0.2	0.2	31.2	0.6	127	5
3428MH0002990021201733C00	1733	14029	6.66	-0.2	0.2	30.3	0.6	95	6
3428MH0002990021201734C00	1734	14065	6.44	-0.2	0.1	29.6	0.5	63	7
3428MH0002990021201735C00	1735	14101	6.22	-0.1	0.1	28.8	0.5	31	8

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Sol 3428 - MAHLI Onboard Focus Merge Product Information

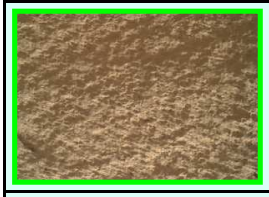
target Venlaw - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3428MH0003020011201737C00			
best focus image:	3429MH0004580001201856R00	1856	motor count:	14651	range (cm):	3.9	
range map product:	3429MH0004580001201857S00	1857	acquired sequence:	mhli00302	stack type:	Relative	
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic	
motor count interval:	30	acquired on sol:	3428	focus merged on sol:	3429		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0003020021201738C00	1738	14531	4.31	-0.1	0.1	22.1	0.3	255	1
3428MH0003020021201739C00	1739	14561	4.21	-0.1	0.1	21.7	0.3	223	2
3428MH0003020021201740C00	1740	14591	4.12	-0.1	0.1	21.4	0.3	191	3
3428MH0003020021201741C00	1741	14621	4.02	-0.1	0.1	21.1	0.3	159	4
3428MH0003020021201742C00	1742	14651	3.93	-0.1	0.1	20.7	0.3	127	5
3428MH0003020021201743C00	1743	14681	3.84	-0.1	0.1	20.4	0.3	95	6
3428MH0003020021201744C00	1744	14711	3.75	-0.1	0.1	20.1	0.3	63	7
3428MH0003020021201745C00	1745	14741	3.67	-0.1	0.1	19.8	0.3	31	8

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Sol 3428 - MAHLI Onboard Focus Merge Product Information




target Venlaw - after DRT - mosaic position 1 of 6 - ~9 cm standoff

		CDPID	corresponding frame:	3428MH0003420011201747C00			
best focus image:	3429MH0004580001201854R00	1854	motor count:	13555	range (cm):	11.1	
range map product:	3429MH0004580001201855S00	1855	acquired sequence:	mhli00342	stack type:	Relative	
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic	
motor count interval:	24	acquired on sol:	3428	focus merged on sol:	3429		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0003420021201748C00	1748	13459	12.50	-0.4	0.4	50.9	1.5	255	1
3428MH0003420021201749C00	1749	13483	12.11	-0.4	0.4	49.5	1.5	223	2
3428MH0003420021201750C00	1750	13507	11.74	-0.4	0.4	48.2	1.4	191	3
3428MH0003420021201751C00	1751	13531	11.39	-0.4	0.4	47.0	1.3	159	4
3428MH0003420021201752C00	1752	13555	11.06	-0.4	0.4	45.8	1.2	127	5
3428MH0003420021201753C00	1753	13579	10.74	-0.3	0.3	44.7	1.2	95	6
3428MH0003420021201754C00	1754	13603	10.43	-0.3	0.3	43.6	1.1	63	7
3428MH0003420021201755C00	1755	13627	10.14	-0.3	0.3	42.6	1.1	31	8

updated: 13_December_2022

Sol 3428 - MAHLI Onboard Focus Merge Product Information



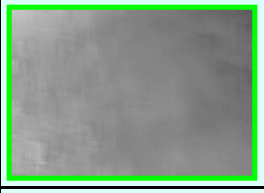

target Venlaw - after DRT - mosaic position 2 of 6 - ~9 cm standoff

		CDPID	corresponding frame:	3428MH0003420011201757C00				
best focus image:	3429MH0004580001201852R00	1852	motor count:	13560	range (cm):	11.0		
range map product:	3429MH0004580001201853S00	1853	acquired sequence:	mhli00342	stack type:	Relative		
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic		
motor count interval:	24	acquired on sol:	3428	focus merged on sol:	3429			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0003420021201758C00	1758	13464	12.42	-0.4	0.4	50.6	1.5	255	1
3428MH0003420021201759C00	1759	13488	12.03	-0.4	0.4	49.3	1.4	223	2
3428MH0003420021201760C00	1760	13512	11.67	-0.4	0.4	48.0	1.4	191	3
3428MH0003420021201761C00	1761	13536	11.32	-0.4	0.4	46.8	1.3	159	4
3428MH0003420021201762C00	1762	13560	10.99	-0.4	0.3	45.6	1.2	127	5
3428MH0003420021201763C00	1763	13584	10.67	-0.3	0.3	44.5	1.1	95	6
3428MH0003420021201764C00	1764	13608	10.37	-0.3	0.3	43.4	1.1	63	7
3428MH0003420021201765C00	1765	13632	10.08	-0.3	0.3	42.4	1.0	31	8

updated: 13_December_2022

Sol 3428 - MAHLI Onboard Focus Merge Product Information

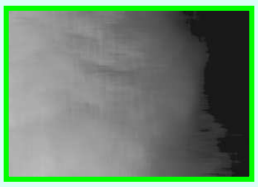
target Venlaw - mosaic position 3 of 6 - ~9 cm standoff

		CDPID	corresponding frame:	3428MH0003420011201767C00				
best focus image:	3429MH0004580001201850R00	1850	motor count:	13580	range (cm):	10.7		
range map product:	3429MH0004580001201851S00	1851	acquired sequence:	mhli00342	stack type:	Relative		
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic		
motor count interval:	24	acquired on sol:	3428	focus merged on sol:	3429			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0003420021201768C00	1768	13484	12.10	-0.4	0.4	49.5	1.4	255	1
3428MH0003420021201769C00	1769	13508	11.73	-0.4	0.4	48.2	1.4	223	2
3428MH0003420021201770C00	1770	13532	11.38	-0.4	0.4	47.0	1.3	191	3
3428MH0003420021201771C00	1771	13556	11.04	-0.4	0.3	45.8	1.2	159	4
3428MH0003420021201772C00	1772	13580	10.73	-0.3	0.3	44.7	1.2	127	5
3428MH0003420021201773C00	1773	13604	10.42	-0.3	0.3	43.6	1.1	95	6
3428MH0003420021201774C00	1774	13628	10.13	-0.3	0.3	42.6	1.1	63	7
3428MH0003420021201775C00	1775	13652	9.85	-0.3	0.3	41.6	1.0	31	8

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Sol 3428 - MAHLI Onboard Focus Merge Product Information

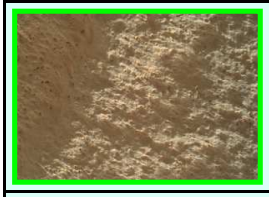
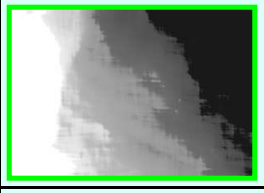
target Venlaw - mosaic position 4 of 6 - ~85 mm standoff

		CDPID	corresponding frame:	3428MH0003420011201777C00				
best focus image:	3429MH0004580001201848R00	1848	motor count:	13602	range (cm):	10.4		
range map product:	3429MH0004580001201849S00	1849	acquired sequence:	mhli00342	stack type:	Relative		
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic		
motor count interval:	24	acquired on sol:	3428	focus merged on sol:	3429			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0003420021201778C00	1778	13506	11.76	-0.4	0.4	48.3	1.4	255	1
3428MH0003420021201779C00	1779	13530	11.41	-0.4	0.4	47.1	1.3	223	2
3428MH0003420021201780C00	1780	13554	11.07	-0.4	0.4	45.9	1.2	191	3
3428MH0003420021201781C00	1781	13578	10.75	-0.3	0.3	44.7	1.2	159	4
3428MH0003420021201782C00	1782	13602	10.45	-0.3	0.3	43.7	1.1	127	5
3428MH0003420021201783C00	1783	13626	10.15	-0.3	0.3	42.6	1.1	95	6
3428MH0003420021201784C00	1784	13650	9.88	-0.3	0.3	41.7	1.0	63	7
3428MH0003420021201785C00	1785	13674	9.61	-0.3	0.3	40.7	1.0	31	8

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Sol 3428 - MAHLI Onboard Focus Merge Product Information

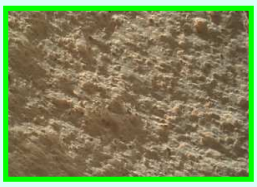
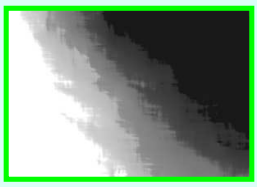
target Venlaw - mosaic position 5 of 6 - ~7 cm standoff

		CDPID	corresponding frame:	3428MH0003420011201787C00				
best focus image:	3429MH0004580001201846R00	1846	motor count:	13730	range (cm):	9.0		
range map product:	3429MH0004580001201847S00	1847	acquired sequence:	mhli00342	stack type:	Relative		
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic		
motor count interval:	24	acquired on sol:	3428	focus merged on sol:	3429			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0003420021201788C00	1788	13634	10.06	-0.3	0.3	42.3	1.0	255	1
3428MH0003420021201789C00	1789	13658	9.78	-0.3	0.3	41.3	1.0	223	2
3428MH0003420021201790C00	1790	13682	9.52	-0.3	0.3	40.4	0.9	191	3
3428MH0003420021201791C00	1791	13706	9.27	-0.3	0.3	39.5	0.9	159	4
3428MH0003420021201792C00	1792	13730	9.02	-0.3	0.2	38.7	0.9	127	5
3428MH0003420021201793C00	1793	13754	8.79	-0.2	0.2	37.8	0.8	95	6
3428MH0003420021201794C00	1794	13778	8.57	-0.2	0.2	37.1	0.8	63	7
3428MH0003420021201795C00	1795	13802	8.35	-0.2	0.2	36.3	0.8	31	8

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Sol 3428 - MAHLI Onboard Focus Merge Product Information

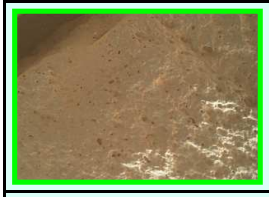
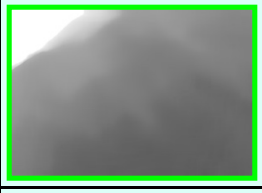
target Venlaw - mosaic position 6 of 6 - ~55 mm standoff

		CDPID	corresponding frame:	3428MH0003420011201797C00				
best focus image:	3429MH0004580001201844R00	1844	motor count:	13878	range (cm):	7.7		
range map product:	3429MH0004580001201845S00	1845	acquired sequence:	mhli00342	stack type:	Relative		
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic		
motor count interval:	24	acquired on sol:	3428	focus merged on sol:	3429			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0003420021201798C00	1798	13782	8.53	-0.2	0.2	36.9	0.8	255	1
3428MH0003420021201799C00	1799	13806	8.32	-0.2	0.2	36.2	0.8	223	2
3428MH0003420021201800C00	1800	13830	8.11	-0.2	0.2	35.4	0.7	191	3
3428MH0003420021201801C00	1801	13854	7.91	-0.2	0.2	34.7	0.7	159	4
3428MH0003420021201802C00	1802	13878	7.72	-0.2	0.2	34.1	0.7	127	5
3428MH0003420021201803C00	1803	13902	7.53	-0.2	0.2	33.4	0.7	95	6
3428MH0003420021201804C00	1804	13926	7.36	-0.2	0.2	32.8	0.6	63	7
3428MH0003420021201805C00	1805	13950	7.18	-0.2	0.2	32.2	0.6	31	8

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Sol 3428 - MAHLI Onboard Focus Merge Product Information

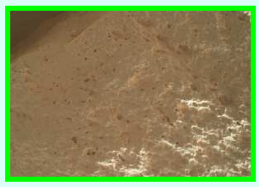
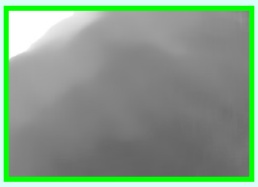
target Broadfell - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3428MH0003080011201809C00				
best focus image:	3429MH0004580001201842R00	1842	motor count:	13943	range (cm):	7.2		
range map product:	3429MH0004580001201843S00	1843	acquired sequence:	mhli00308	stack type:	Relative		
acquired on date:	29-Mar-22		merge sequence:	mhli00458	merge type:	Basic		
motor count interval:	66	acquired on sol:	3428	focus merged on sol:	3429			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0003080021201810C00	1810	13679	9.55	-0.3	0.3	40.5	1.0	255	1
3428MH0003080021201811C00	1811	13745	8.88	-0.3	0.2	38.1	0.8	223	2
3428MH0003080021201812C00	1812	13811	8.27	-0.2	0.2	36.0	0.8	191	3
3428MH0003080021201813C00	1813	13877	7.73	-0.2	0.2	34.1	0.7	159	4
3428MH0003080021201814C00	1814	13943	7.23	-0.2	0.2	32.4	0.6	127	5
3428MH0003080021201815C00	1815	14009	6.79	-0.2	0.2	30.8	0.6	95	6
3428MH0003080021201816C00	1816	14075	6.38	-0.2	0.1	29.3	0.5	63	7
3428MH0003080021201817C00	1817	14141	6.00	-0.1	0.1	28.0	0.5	31	8

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Sol 3428 - MAHLI Onboard Focus Merge Product Information

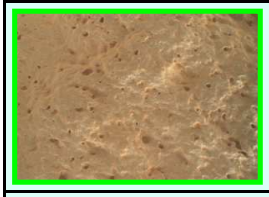
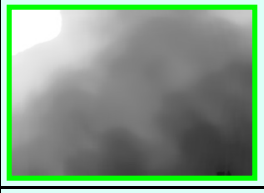
target Broadfell - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3428MH0003080011201819C00			
best focus image:	3429MH0004580001201840R00		1840	motor count:	13962	range (cm):	7.1	
range map product:	3429MH0004580001201841S00		1841	acquired sequence:	mhli00308	stack type:	Relative	
acquired on date:	29-Mar-22			merge sequence:	mhli00458	merge type:	Basic	
motor count interval:	66		acquired on sol:	3428	focus merged on sol:	3429		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0003080021201820C00	1820	13698	9.35	-0.3	0.3	39.8	0.9	255	1
3428MH0003080021201821C00	1821	13764	8.70	-0.2	0.2	37.5	0.8	223	2
3428MH0003080021201822C00	1822	13830	8.11	-0.2	0.2	35.4	0.7	191	3
3428MH0003080021201823C00	1823	13896	7.58	-0.2	0.2	33.6	0.7	159	4
3428MH0003080021201824C00	1824	13962	7.10	-0.2	0.2	31.9	0.6	127	5
3428MH0003080021201825C00	1825	14028	6.66	-0.2	0.2	30.4	0.6	95	6
3428MH0003080021201826C00	1826	14094	6.27	-0.1	0.1	29.0	0.5	63	7
3428MH0003080021201827C00	1827	14160	5.90	-0.1	0.1	27.7	0.4	31	8

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Sol 3428 - MAHLI Onboard Focus Merge Product Information

target Broadfell - ~1 cm standoff

			CDPID	corresponding frame:	3428MH0007160011201829C00			
best focus image:	3429MH0004580001201838R00		1838	motor count:	14955	range (cm):	3.1	
range map product:	3429MH0004580001201839S00		1839	acquired sequence:	mhli00716	stack type:	Relative	
acquired on date:	29-Mar-22			merge sequence:	mhli00458	merge type:	Basic	
motor count interval:	60		acquired on sol:	3428	focus merged on sol:	3429		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3428MH0007160021201830C00	1830	14715	3.74	-0.1	0.1	20.1	0.3	255	1
3428MH0007160021201831C00	1831	14775	3.58	-0.1	0.1	19.5	0.3	223	2
3428MH0007160021201832C00	1832	14835	3.42	-0.1	0.1	18.9	0.2	191	3
3428MH0007160021201833C00	1833	14895	3.28	-0.1	0.1	18.4	0.2	159	4
3428MH0007160021201834C00	1834	14955	3.14	-0.1	0.1	17.9	0.2	127	5
3428MH0007160021201835C00	1835	15015	3.01	-0.1	0.1	17.5	0.2	95	6
3428MH0007160021201836C00	1836	15075	2.88	-0.1	0.1	17.1	0.2	63	7
3428MH0007160021201837C00	1837	15135	2.77	-0.1	0.1	16.6	0.2	31	8

updated: 07_February_2023

Sol 3432 - MAHLI Onboard Focus Merge Product Information



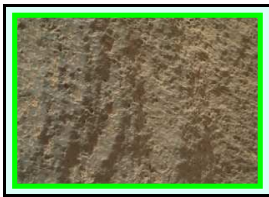

target Blue_Anchor - stereo-1 - relief model position 1 - ~5 cm standoff

		CDPID	corresponding frame:	3432MH0007080011201866C00				
best focus image:	3433MH0002270001201943R00	1943	motor count:	13963	range (cm):	7.1		
range map product:	3433MH0002270001201944S00	1944	acquired sequence:	mhli00708	stack type:	Relative		
acquired on date:	2-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	60	acquired on sol:	3432	focus merged on sol:	3433			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3432MH0007080031201868C00	1868	13723	9.09	-0.3	0.2	38.9	0.9	255	1
3432MH0007080031201869C00	1869	13783	8.52	-0.2	0.2	36.9	0.8	223	2
3432MH0007080031201870C00	1870	13843	8.00	-0.2	0.2	35.1	0.7	191	3
3432MH0007080031201871C00	1871	13903	7.53	-0.2	0.2	33.4	0.7	159	4
3432MH0007080031201872C00	1872	13963	7.09	-0.2	0.2	31.9	0.6	127	5
3432MH0007080031201873C00	1873	14023	6.70	-0.2	0.2	30.5	0.6	95	6
3432MH0007080031201874C00	1874	14083	6.33	-0.2	0.1	29.2	0.5	63	7
3432MH0007080031201875C00	1875	14143	5.99	-0.1	0.1	28.0	0.5	31	8

updated: 07_February_2023

Sol 3432 - MAHLI Onboard Focus Merge Product Information




target Blue_Anchor - stereo-2 - relief model position 2 - ~5 cm standoff

		CDPID	corresponding frame:	3432MH0007080011201877C00				
best focus image:	3433MH0002270001201941R00	1941	motor count:	13921	range (cm):	7.4		
range map product:	3433MH0002270001201942S00	1942	acquired sequence:	mhli00708	stack type:	Relative		
acquired on date:	2-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	60	acquired on sol:	3432	focus merged on sol:	3433			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3432MH0007080031201879C00	1879	13681	9.53	-0.3	0.3	40.5	1.0	255	1
3432MH0007080031201880C00	1880	13741	8.92	-0.3	0.2	38.3	0.9	223	2
3432MH0007080031201881C00	1881	13801	8.36	-0.2	0.2	36.3	0.8	191	3
3432MH0007080031201882C00	1882	13861	7.85	-0.2	0.2	34.5	0.7	159	4
3432MH0007080031201883C00	1883	13921	7.39	-0.2	0.2	32.9	0.6	127	5
3432MH0007080031201884C00	1884	13981	6.97	-0.2	0.2	31.4	0.6	95	6
3432MH0007080031201885C00	1885	14041	6.58	-0.2	0.2	30.1	0.5	63	7
3432MH0007080031201886C00	1886	14101	6.22	-0.1	0.1	28.8	0.5	31	8

updated: 07_February_2023

Sol 3432 - MAHLI Onboard Focus Merge Product Information




target Blue_Anchor - ~2 cm standoff

		CDPID	corresponding frame:	3432MH0007950011201894C00				
best focus image:	3433MH0002270001201939R00	1939	motor count:	14616	range (cm):	4.0		
range map product:	3433MH0002270001201940S00	1940	acquired sequence:	mhli00795	stack type:	Relative		
acquired on date:	2-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	84	acquired on sol:	3432	focus merged on sol:	3433			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3432MH0007950031201896C00	1896	14280	5.31	-0.1	0.1	25.6	0.4	255	1
3432MH0007950031201897C00	1897	14364	4.94	-0.1	0.1	24.3	0.4	223	2
3432MH0007950031201898C00	1898	14448	4.61	-0.1	0.1	23.1	0.3	191	3
3432MH0007950031201899C00	1899	14532	4.31	-0.1	0.1	22.1	0.3	159	4
3432MH0007950031201900C00	1900	14616	4.04	-0.1	0.1	21.1	0.3	127	5
3432MH0007950031201901C00	1901	14700	3.78	-0.1	0.1	20.2	0.3	95	6
3432MH0007950031201902C00	1902	14784	3.55	-0.1	0.1	19.4	0.3	63	7
3432MH0007950031201903C00	1903	14868	3.34	-0.1	0.1	18.7	0.2	31	8

updated: 07_February_2023

Sol 3432 - MAHLI Onboard Focus Merge Product Information




target Baa - stereo-1 - relief model position 1 - ~4 cm standoff

		CDPID	corresponding frame:	3432MH0008030011201908C00				
best focus image:	3433MH0002270001201937R00	1937	motor count:	14185	range (cm):	5.8		
range map product:	3433MH0002270001201938S00	1938	acquired sequence:	mhli00803	stack type:	Relative		
acquired on date:	2-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	84	acquired on sol:	3432	focus merged on sol:	3433			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3432MH0008030031201910C00	1910	13849	7.95	-0.2	0.2	34.9	0.7	255	1
3432MH0008030031201911C00	1911	13933	7.31	-0.2	0.2	32.6	0.6	223	2
3432MH0008030031201912C00	1912	14017	6.73	-0.2	0.2	30.6	0.6	191	3
3432MH0008030031201913C00	1913	14101	6.22	-0.1	0.1	28.8	0.5	159	4
3432MH0008030031201914C00	1914	14185	5.77	-0.1	0.1	27.2	0.4	127	5
3432MH0008030031201915C00	1915	14269	5.36	-0.1	0.1	25.8	0.4	95	6
3432MH0008030031201916C00	1916	14353	4.99	-0.1	0.1	24.5	0.4	63	7
3432MH0008030031201917C00	1917	14437	4.65	-0.1	0.1	23.3	0.3	31	8

updated: 07_February_2023

Sol 3432 - MAHLI Onboard Focus Merge Product Information



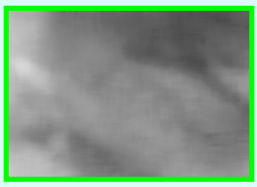

target Baa - stereo-2 - relief model position 2 - ~4 cm standoff

		CDPID	corresponding frame:	3432MH0008030011201919C00			
best focus image:	3433MH0002270001201935R00	1935	motor count:	14173	range (cm):	5.8	
range map product:	3433MH0002270001201936S00	1936	acquired sequence:	mhli00803	stack type:	Relative	
acquired on date:	2-Apr-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	84	acquired on sol:	3432	focus merged on sol:	3433		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3432MH0008030031201921C00	1921	13837	8.05	-0.2	0.2	35.2	0.7	255	1
3432MH0008030031201922C00	1922	13921	7.39	-0.2	0.2	32.9	0.6	223	2
3432MH0008030031201923C00	1923	14005	6.81	-0.2	0.2	30.9	0.6	191	3
3432MH0008030031201924C00	1924	14089	6.29	-0.1	0.1	29.1	0.5	159	4
3432MH0008030031201925C00	1925	14173	5.83	-0.1	0.1	27.4	0.4	127	5
3432MH0008030031201926C00	1926	14257	5.42	-0.1	0.1	26.0	0.4	95	6
3432MH0008030031201927C00	1927	14341	5.04	-0.1	0.1	24.6	0.4	63	7
3432MH0008030031201928C00	1928	14425	4.70	-0.1	0.1	23.4	0.3	31	8

updated: 13_December_2022

Sol 3436 - MAHLI Onboard Focus Merge Product Information

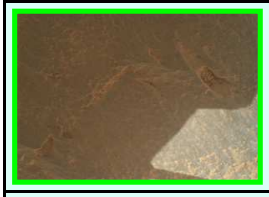
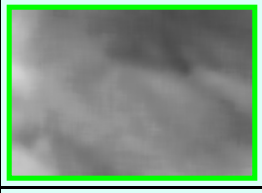
target Broo - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3436MH0001680011201948C00				
best focus image:	3436MH0001930001201981R00	1981	motor count:	14039	range (cm):	6.6		
range map product:	3436MH0001930001201982S00	1982	acquired sequence:	mhli00168	stack type:	Relative		
acquired on date:	6-Apr-22		merge sequence:	mhli00193	merge type:	Basic		
motor count interval:	18	acquired on sol:	3436	focus merged on sol:	3436			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3436MH0001680021201949C00	1949	13967	7.07	-0.2	0.2	31.8	0.6	255	1
3436MH0001680021201950C00	1950	13985	6.94	-0.2	0.2	31.3	0.6	223	2
3436MH0001680021201951C00	1951	14003	6.82	-0.2	0.2	30.9	0.6	191	3
3436MH0001680021201952C00	1952	14021	6.71	-0.2	0.2	30.5	0.6	159	4
3436MH0001680021201953C00	1953	14039	6.59	-0.2	0.2	30.1	0.5	127	5
3436MH0001680021201954C00	1954	14057	6.48	-0.2	0.1	29.7	0.5	95	6
3436MH0001680021201955C00	1955	14075	6.38	-0.2	0.1	29.3	0.5	63	7
3436MH0001680021201956C00	1956	14093	6.27	-0.1	0.1	29.0	0.5	31	8

updated: 13_December_2022

Sol 3436 - MAHLI Onboard Focus Merge Product Information

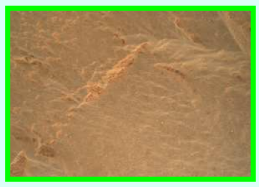
target Broo - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3436MH0001680011201958C00				
best focus image:	3436MH0001930001201979R00	1979	motor count:	14042	range (cm):	6.6		
range map product:	3436MH0001930001201980S00	1980	acquired sequence:	mhli00168	stack type:	Relative		
acquired on date:	6-Apr-22		merge sequence:	mhli00193	merge type:	Basic		
motor count interval:	18	acquired on sol:	3436	focus merged on sol:	3436			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3436MH0001680021201959C00	1959	13970	7.05	-0.2	0.2	31.7	0.6	255	1
3436MH0001680021201960C00	1960	13988	6.92	-0.2	0.2	31.3	0.6	223	2
3436MH0001680021201961C00	1961	14006	6.80	-0.2	0.2	30.9	0.6	191	3
3436MH0001680021201962C00	1962	14024	6.69	-0.2	0.2	30.4	0.6	159	4
3436MH0001680021201963C00	1963	14042	6.58	-0.2	0.2	30.0	0.5	127	5
3436MH0001680021201964C00	1964	14060	6.47	-0.2	0.1	29.7	0.5	95	6
3436MH0001680021201965C00	1965	14078	6.36	-0.2	0.1	29.3	0.5	63	7
3436MH0001680021201966C00	1966	14096	6.25	-0.1	0.1	28.9	0.5	31	8

updated: 13_December_2022

Sol 3436 - MAHLI Onboard Focus Merge Product Information



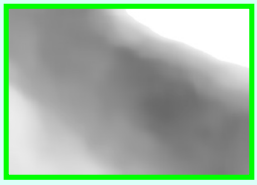

target Broo - ~2 cm standoff

			CDPID	corresponding frame:	3436MH0003020011201968C00			
best focus image:	3436MH0001930001201977R00		1977	motor count:	14764	range (cm):	3.6	
range map product:	3436MH0001930001201978S00		1978	acquired sequence:	mhli00302	stack type:	Relative	
acquired on date:	6-Apr-22			merge sequence:	mhli00193	merge type:	Basic	
motor count interval:	30	acquired on sol:	3436	focus merged on sol:	3436			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3436MH0003020021201969C00	1969	14644	3.95	-0.1	0.1	20.8	0.3	255	1
3436MH0003020021201970C00	1970	14674	3.86	-0.1	0.1	20.5	0.3	223	2
3436MH0003020021201971C00	1971	14704	3.77	-0.1	0.1	20.2	0.3	191	3
3436MH0003020021201972C00	1972	14734	3.69	-0.1	0.1	19.9	0.3	159	4
3436MH0003020021201973C00	1973	14764	3.61	-0.1	0.1	19.6	0.3	127	5
3436MH0003020021201974C00	1974	14794	3.53	-0.1	0.1	19.3	0.3	95	6
3436MH0003020021201975C00	1975	14824	3.45	-0.1	0.1	19.0	0.2	63	7
3436MH0003020021201976C00	1976	14854	3.37	-0.1	0.1	18.8	0.2	31	8

updated: 13_December_2022

Sol 3439 - MAHLI Onboard Focus Merge Product Information

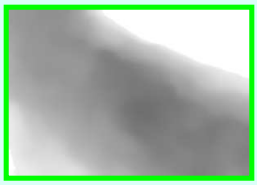
target Lodberrie - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3439MH0007230011201987C00				
best focus image:	3440MH0005360001202099R00	2099	motor count:	13994	range (cm):	6.9		
range map product:	3440MH0005360001202100S00	2100	acquired sequence:	mhli00723	stack type:	Relative		
acquired on date:	9-Apr-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	36	acquired on sol:	3439	focus merged on sol:	3440			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3439MH0007230031201989C00	1989	13850	7.94	-0.2	0.2	34.9	0.7	255	1
3439MH0007230031201990C00	1990	13886	7.66	-0.2	0.2	33.9	0.7	223	2
3439MH0007230031201991C00	1991	13922	7.39	-0.2	0.2	32.9	0.6	191	3
3439MH0007230031201992C00	1992	13958	7.13	-0.2	0.2	32.0	0.6	159	4
3439MH0007230031201993C00	1993	13994	6.88	-0.2	0.2	31.1	0.6	127	5
3439MH0007230031201994C00	1994	14030	6.65	-0.2	0.2	30.3	0.6	95	6
3439MH0007230031201995C00	1995	14066	6.43	-0.2	0.1	29.5	0.5	63	7
3439MH0007230031201996C00	1996	14102	6.22	-0.1	0.1	28.8	0.5	31	8

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Sol 3439 - MAHLI Onboard Focus Merge Product Information

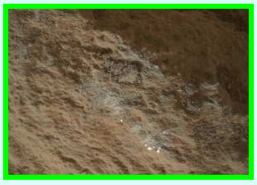
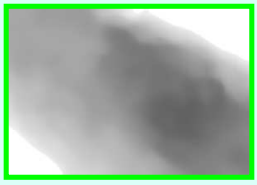
target Lodberrie - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3439MH0007230011201998C00				
best focus image:	3440MH0005360001202097R00	2097	motor count:	14003	range (cm):	6.8		
range map product:	3440MH0005360001202098S00	2098	acquired sequence:	mhli00723	stack type:	Relative		
acquired on date:	9-Apr-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	36	acquired on sol:	3439	focus merged on sol:	3440			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3439MH0007230031202000C00	2000	13859	7.87	-0.2	0.2	34.6	0.7	255	1
3439MH0007230031202001C00	2001	13895	7.59	-0.2	0.2	33.6	0.7	223	2
3439MH0007230031202002C00	2002	13931	7.32	-0.2	0.2	32.7	0.6	191	3
3439MH0007230031202003C00	2003	13967	7.07	-0.2	0.2	31.8	0.6	159	4
3439MH0007230031202004C00	2004	14003	6.82	-0.2	0.2	30.9	0.6	127	5
3439MH0007230031202005C00	2005	14039	6.59	-0.2	0.2	30.1	0.5	95	6
3439MH0007230031202006C00	2006	14075	6.38	-0.2	0.1	29.3	0.5	63	7
3439MH0007230031202007C00	2007	14111	6.17	-0.1	0.1	28.6	0.5	31	8

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Sol 3439 - MAHLI Onboard Focus Merge Product Information

target Lodberrie - ~2 cm standoff

		CDPID	corresponding frame:	3439MH0007460011202009C00				
best focus image:	3440MH0005360001202095R00	2095	motor count:	14687	range (cm):	3.8		
range map product:	3440MH0005360001202096S00	2096	acquired sequence:	mhli00746	stack type:	Relative		
acquired on date:	9-Apr-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	48	acquired on sol:	3439	focus merged on sol:	3440			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3439MH0007460031202011C00	2011	14495	4.44	-0.1	0.1	22.5	0.3	255	1
3439MH0007460031202012C00	2012	14543	4.27	-0.1	0.1	21.9	0.3	223	2
3439MH0007460031202013C00	2013	14591	4.12	-0.1	0.1	21.4	0.3	191	3
3439MH0007460031202014C00	2014	14639	3.96	-0.1	0.1	20.9	0.3	159	4
3439MH0007460031202015C00	2015	14687	3.82	-0.1	0.1	20.4	0.3	127	5
3439MH0007460031202016C00	2016	14735	3.69	-0.1	0.1	19.9	0.3	95	6
3439MH0007460031202017C00	2017	14783	3.56	-0.1	0.1	19.4	0.3	63	7
3439MH0007460031202018C00	2018	14831	3.43	-0.1	0.1	19.0	0.2	31	8

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Sol 3439 - MAHLI Onboard Focus Merge Product Information




target Sneuga - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3439MH0001520011202022C00				
best focus image:	3440MH0005360001202093R00	2093	motor count:	13977	range (cm):	7.0		
range map product:	3440MH0005360001202094S00	2094	acquired sequence:	mhli00152	stack type:	Relative		
acquired on date:	9-Apr-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	48	acquired on sol:	3439	focus merged on sol:	3440			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3439MH0001520021202023C00	2023	13785	8.50	-0.2	0.2	36.8	0.8	255	1
3439MH0001520021202024C00	2024	13833	8.08	-0.2	0.2	35.4	0.7	223	2
3439MH0001520021202025C00	2025	13881	7.70	-0.2	0.2	34.0	0.7	191	3
3439MH0001520021202026C00	2026	13929	7.33	-0.2	0.2	32.7	0.6	159	4
3439MH0001520021202027C00	2027	13977	7.00	-0.2	0.2	31.5	0.6	127	5
3439MH0001520021202028C00	2028	14025	6.68	-0.2	0.2	30.4	0.6	95	6
3439MH0001520021202029C00	2029	14073	6.39	-0.2	0.1	29.4	0.5	63	7
3439MH0001520021202030C00	2030	14121	6.11	-0.1	0.1	28.4	0.5	31	8

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Sol 3439 - MAHLI Onboard Focus Merge Product Information



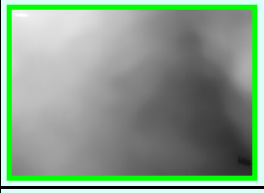

target Sneuga - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3439MH0001520011202032C00			
best focus image:	3440MH0005360001202091R00		2091	motor count:	13983	range (cm):	7.0	
range map product:	3440MH0005360001202092S00		2092	acquired sequence:	mhli00152	stack type:	Relative	
acquired on date:	9-Apr-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	48	acquired on sol:	3439	focus merged on sol:	3440			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3439MH0001520021202033C00	2033	13791	8.45	-0.2	0.2	36.6	0.8	255	1
3439MH0001520021202034C00	2034	13839	8.03	-0.2	0.2	35.2	0.7	223	2
3439MH0001520021202035C00	2035	13887	7.65	-0.2	0.2	33.8	0.7	191	3
3439MH0001520021202036C00	2036	13935	7.29	-0.2	0.2	32.6	0.6	159	4
3439MH0001520021202037C00	2037	13983	6.96	-0.2	0.2	31.4	0.6	127	5
3439MH0001520021202038C00	2038	14031	6.64	-0.2	0.2	30.3	0.6	95	6
3439MH0001520021202039C00	2039	14079	6.35	-0.2	0.1	29.3	0.5	63	7
3439MH0001520021202040C00	2040	14127	6.08	-0.1	0.1	28.3	0.5	31	8

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Sol 3439 - MAHLI Onboard Focus Merge Product Information

target Sneuga - ~2 cm standoff

			CDPID	corresponding frame:	3439MH0001760011202042C00			
best focus image:	3440MH0005360001202089R00		2089	motor count:	14623	range (cm):	4.0	
range map product:	3440MH0005360001202090S00		2090	acquired sequence:	mhli00176	stack type:	Relative	
acquired on date:	9-Apr-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	48	acquired on sol:	3439	focus merged on sol:	3440			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3439MH0001760021202043C00	2043	14431	4.68	-0.1	0.1	23.4	0.3	255	1
3439MH0001760021202044C00	2044	14479	4.50	-0.1	0.1	22.7	0.3	223	2
3439MH0001760021202045C00	2045	14527	4.33	-0.1	0.1	22.1	0.3	191	3
3439MH0001760021202046C00	2046	14575	4.17	-0.1	0.1	21.6	0.3	159	4
3439MH0001760021202047C00	2047	14623	4.01	-0.1	0.1	21.0	0.3	127	5
3439MH0001760021202048C00	2048	14671	3.87	-0.1	0.1	20.5	0.3	95	6
3439MH0001760021202049C00	2049	14719	3.73	-0.1	0.1	20.0	0.3	63	7
3439MH0001760021202050C00	2050	14767	3.60	-0.1	0.1	19.6	0.3	31	8

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Sol 3439 - MAHLI Onboard Focus Merge Product Information



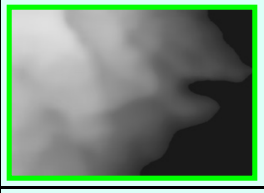

target Inchbonny- mosaic position 1 of 3 - ~4 cm standoff

		CDPID	corresponding frame:	3439MH0002990011202054C00				
best focus image:	3440MH0005360001202087R00	2087	motor count:	14181	range (cm):	5.8		
range map product:	3440MH0005360001202088S00	2088	acquired sequence:	mhli00299	stack type:	Relative		
acquired on date:	9-Apr-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	36	acquired on sol:	3439	focus merged on sol:	3440			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3439MH0002990021202055C00	2055	14037	6.61	-0.2	0.2	30.2	0.5	255	1
3439MH0002990021202056C00	2056	14073	6.39	-0.2	0.1	29.4	0.5	223	2
3439MH0002990021202057C00	2057	14109	6.18	-0.1	0.1	28.7	0.5	191	3
3439MH0002990021202058C00	2058	14145	5.98	-0.1	0.1	28.0	0.5	159	4
3439MH0002990021202059C00	2059	14181	5.79	-0.1	0.1	27.3	0.4	127	5
3439MH0002990021202060C00	2060	14217	5.61	-0.1	0.1	26.6	0.4	95	6
3439MH0002990021202061C00	2061	14253	5.43	-0.1	0.1	26.0	0.4	63	7
3439MH0002990021202062C00	2062	14289	5.27	-0.1	0.1	25.4	0.4	31	8

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Sol 3439 - MAHLI Onboard Focus Merge Product Information

target Inchbonny- mosaic position 2 of 3 - ~45 mm standoff

		CDPID	corresponding frame:	3439MH0002990011202064C00				
best focus image:	3440MH0005360001202085R00	2085	motor count:	14063	range (cm):	6.4		
range map product:	3440MH0005360001202086S00	2086	acquired sequence:	mhli00299	stack type:	Relative		
acquired on date:	9-Apr-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	36	acquired on sol:	3439	focus merged on sol:	3440			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3439MH0002990021202065C00	2065	13919	7.41	-0.2	0.2	33.0	0.6	255	1
3439MH0002990021202066C00	2066	13955	7.15	-0.2	0.2	32.1	0.6	223	2
3439MH0002990021202067C00	2067	13991	6.90	-0.2	0.2	31.2	0.6	191	3
3439MH0002990021202068C00	2068	14027	6.67	-0.2	0.2	30.4	0.6	159	4
3439MH0002990021202069C00	2069	14063	6.45	-0.2	0.1	29.6	0.5	127	5
3439MH0002990021202070C00	2070	14099	6.24	-0.1	0.1	28.9	0.5	95	6
3439MH0002990021202071C00	2071	14135	6.03	-0.1	0.1	28.1	0.5	63	7
3439MH0002990021202072C00	2072	14171	5.84	-0.1	0.1	27.5	0.4	31	8

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Sol 3439 - MAHLI Onboard Focus Merge Product Information




target Inchbonny- mosaic position 3 of 3 - ~5 cm standoff

			CDPID	corresponding frame:	3439MH0002990011202074C00			
best focus image:	3440MH0005360001202083R00		2083	motor count:	14012	range (cm):	6.8	
range map product:	3440MH0005360001202084S00		2084	acquired sequence:	mhli00299	stack type:	Relative	
acquired on date:	9-Apr-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	36	acquired on sol:	3439	focus merged on sol:	3440			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3439MH0002990021202075C00	2075	13868	7.80	-0.2	0.2	34.4	0.7	255	1
3439MH0002990021202076C00	2076	13904	7.52	-0.2	0.2	33.4	0.7	223	2
3439MH0002990021202077C00	2077	13940	7.26	-0.2	0.2	32.4	0.6	191	3
3439MH0002990021202078C00	2078	13976	7.00	-0.2	0.2	31.6	0.6	159	4
3439MH0002990021202079C00	2079	14012	6.77	-0.2	0.2	30.7	0.6	127	5
3439MH0002990021202080C00	2080	14048	6.54	-0.2	0.1	29.9	0.5	95	6
3439MH0002990021202081C00	2081	14084	6.32	-0.1	0.1	29.2	0.5	63	7
3439MH0002990021202082C00	2082	14120	6.12	-0.1	0.1	28.4	0.5	31	8

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Sol 3442 - MAHLI Onboard Focus Merge Product Information



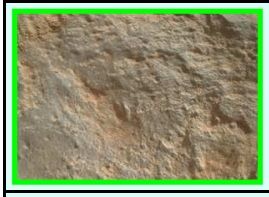
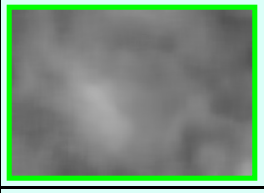

target Brackenberry - after DRT - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3442MH0001680011202108C00			
best focus image:	3442MH0005360001202219R00		2219	motor count:	13967	range (cm):	7.1	
range map product:	3442MH0005360001202220S00		2220	acquired sequence:	mhli00168	stack type:	Relative	
acquired on date:	12-Apr-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	18	acquired on sol:	3442	focus merged on sol:	3442			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3442MH0001680021202109C00	2109	13895	7.59	-0.2	0.2	33.6	0.7	255	1
3442MH0001680021202110C00	2110	13913	7.45	-0.2	0.2	33.1	0.7	223	2
3442MH0001680021202111C00	2111	13931	7.32	-0.2	0.2	32.7	0.6	191	3
3442MH0001680021202112C00	2112	13949	7.19	-0.2	0.2	32.2	0.6	159	4
3442MH0001680021202113C00	2113	13967	7.07	-0.2	0.2	31.8	0.6	127	5
3442MH0001680021202114C00	2114	13985	6.94	-0.2	0.2	31.3	0.6	95	6
3442MH0001680021202115C00	2115	14003	6.82	-0.2	0.2	30.9	0.6	63	7
3442MH0001680021202116C00	2116	14021	6.71	-0.2	0.2	30.5	0.6	31	8

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Sol 3442 - MAHLI Onboard Focus Merge Product Information

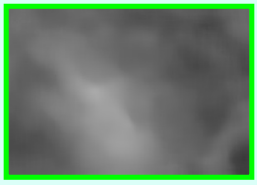
target Brackenberry - after DRT - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3442MH0001680011202118C00			
best focus image:	3442MH0005360001202217R00		2217	motor count:	13974	range (cm):	7.0	
range map product:	3442MH0005360001202218S00		2218	acquired sequence:	mhli00168	stack type:	Relative	
acquired on date:	12-Apr-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	18	acquired on sol:	3442	focus merged on sol:	3442			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3442MH0001680021202119C00	2119	13902	7.53	-0.2	0.2	33.4	0.7	255	1
3442MH0001680021202120C00	2120	13920	7.40	-0.2	0.2	32.9	0.6	223	2
3442MH0001680021202121C00	2121	13938	7.27	-0.2	0.2	32.5	0.6	191	3
3442MH0001680021202122C00	2122	13956	7.14	-0.2	0.2	32.0	0.6	159	4
3442MH0001680021202123C00	2123	13974	7.02	-0.2	0.2	31.6	0.6	127	5
3442MH0001680021202124C00	2124	13992	6.90	-0.2	0.2	31.2	0.6	95	6
3442MH0001680021202125C00	2125	14010	6.78	-0.2	0.2	30.8	0.6	63	7
3442MH0001680021202126C00	2126	14028	6.66	-0.2	0.2	30.4	0.6	31	8

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Sol 3442 - MAHLI Onboard Focus Merge Product Information

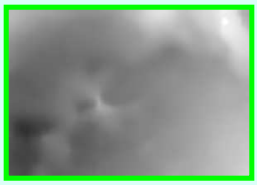
target Brackenberry - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3442MH0003020011202128C00			
best focus image:	3442MH0005360001202215R00	2215	motor count:	14600	range (cm):	4.1	
range map product:	3442MH0005360001202216S00	2216	acquired sequence:	mhli00302	stack type:	Relative	
acquired on date:	12-Apr-22		merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	30	acquired on sol:	3442	focus merged on sol:	3442		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3442MH0003020021202129C00	2129	14480	4.49	-0.1	0.1	22.7	0.3	255	1
3442MH0003020021202130C00	2130	14510	4.39	-0.1	0.1	22.3	0.3	223	2
3442MH0003020021202131C00	2131	14540	4.28	-0.1	0.1	22.0	0.3	191	3
3442MH0003020021202132C00	2132	14570	4.18	-0.1	0.1	21.6	0.3	159	4
3442MH0003020021202133C00	2133	14600	4.09	-0.1	0.1	21.3	0.3	127	5
3442MH0003020021202134C00	2134	14630	3.99	-0.1	0.1	21.0	0.3	95	6
3442MH0003020021202135C00	2135	14660	3.90	-0.1	0.1	20.6	0.3	63	7
3442MH0003020021202136C00	2136	14690	3.81	-0.1	0.1	20.3	0.3	31	8

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Sol 3442 - MAHLI Onboard Focus Merge Product Information

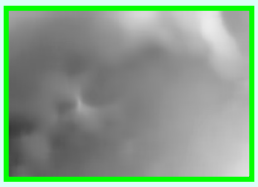
target Skidbladner - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3442MH0001730011202142C00			
best focus image:	3442MH0005360001202213R00	2213	motor count:	13961	range (cm):	7.1	
range map product:	3442MH0005360001202214S00	2214	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	12-Apr-22		merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	30	acquired on sol:	3442	focus merged on sol:	3442		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3442MH0001730021202143C00	2143	13841	8.02	-0.2	0.2	35.1	0.7	255	1
3442MH0001730021202144C00	2144	13871	7.77	-0.2	0.2	34.3	0.7	223	2
3442MH0001730021202145C00	2145	13901	7.54	-0.2	0.2	33.4	0.7	191	3
3442MH0001730021202146C00	2146	13931	7.32	-0.2	0.2	32.7	0.6	159	4
3442MH0001730021202147C00	2147	13961	7.11	-0.2	0.2	31.9	0.6	127	5
3442MH0001730021202148C00	2148	13991	6.90	-0.2	0.2	31.2	0.6	95	6
3442MH0001730021202149C00	2149	14021	6.71	-0.2	0.2	30.5	0.6	63	7
3442MH0001730021202150C00	2150	14051	6.52	-0.2	0.1	29.9	0.5	31	8

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Sol 3442 - MAHLI Onboard Focus Merge Product Information

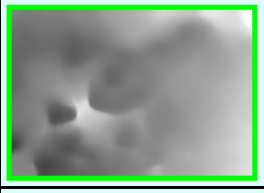
target Skidbladner - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3442MH0001730011202152C00				
best focus image:	3442MH0005360001202211R00	2211	motor count:	13956	range (cm):	7.1		
range map product:	3442MH0005360001202212S00	2212	acquired sequence:	mhli00173	stack type:	Relative		
acquired on date:	12-Apr-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	30	acquired on sol:	3442	focus merged on sol:	3442			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3442MH0001730021202153C00	2153	13836	8.06	-0.2	0.2	35.3	0.7	255	1
3442MH0001730021202154C00	2154	13866	7.81	-0.2	0.2	34.4	0.7	223	2
3442MH0001730021202155C00	2155	13896	7.58	-0.2	0.2	33.6	0.7	191	3
3442MH0001730021202156C00	2156	13926	7.36	-0.2	0.2	32.8	0.6	159	4
3442MH0001730021202157C00	2157	13956	7.14	-0.2	0.2	32.0	0.6	127	5
3442MH0001730021202158C00	2158	13986	6.94	-0.2	0.2	31.3	0.6	95	6
3442MH0001730021202159C00	2159	14016	6.74	-0.2	0.2	30.6	0.6	63	7
3442MH0001730021202160C00	2160	14046	6.55	-0.2	0.1	30.0	0.5	31	8

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Sol 3442 - MAHLI Onboard Focus Merge Product Information

target Skidbladner - ~2 cm standoff

		CDPID	corresponding frame:	3442MH0001840011202162C00				
best focus image:	3442MH0005360001202209R00	2209	motor count:	14607	range (cm):	4.1		
range map product:	3442MH0005360001202210S00	2210	acquired sequence:	mhli00184	stack type:	Relative		
acquired on date:	12-Apr-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	36	acquired on sol:	3442	focus merged on sol:	3442			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3442MH0001840021202163C00	2163	14463	4.56	-0.1	0.1	22.9	0.3	255	1
3442MH0001840021202164C00	2164	14499	4.43	-0.1	0.1	22.5	0.3	223	2
3442MH0001840021202165C00	2165	14535	4.30	-0.1	0.1	22.0	0.3	191	3
3442MH0001840021202166C00	2166	14571	4.18	-0.1	0.1	21.6	0.3	159	4
3442MH0001840021202167C00	2167	14607	4.06	-0.1	0.1	21.2	0.3	127	5
3442MH0001840021202168C00	2168	14643	3.95	-0.1	0.1	20.8	0.3	95	6
3442MH0001840021202169C00	2169	14679	3.84	-0.1	0.1	20.4	0.3	63	7
3442MH0001840021202170C00	2170	14715	3.74	-0.1	0.1	20.1	0.3	31	8

updated: 13_December_2022

Sol 3442 - MAHLI Onboard Focus Merge Product Information



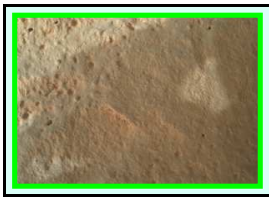
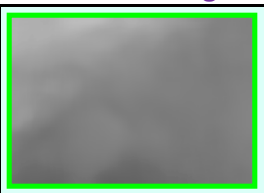

target Up_Helly_Aa - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3442MH0002240011202174C00			
best focus image:	3442MH0005360001202207R00		2207	motor count:	13988	range (cm):	6.9	
range map product:	3442MH0005360001202208S00		2208	acquired sequence:	mhli00224	stack type:	Relative	
acquired on date:	12-Apr-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	42	acquired on sol:	3442	focus merged on sol:	3442			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3442MH0002240021202175C00	2175	13820	8.19	-0.2	0.2	35.7	0.7	255	1
3442MH0002240021202176C00	2176	13862	7.85	-0.2	0.2	34.5	0.7	223	2
3442MH0002240021202177C00	2177	13904	7.52	-0.2	0.2	33.4	0.7	191	3
3442MH0002240021202178C00	2178	13946	7.21	-0.2	0.2	32.3	0.6	159	4
3442MH0002240021202179C00	2179	13988	6.92	-0.2	0.2	31.3	0.6	127	5
3442MH0002240021202180C00	2180	14030	6.65	-0.2	0.2	30.3	0.6	95	6
3442MH0002240021202181C00	2181	14072	6.39	-0.2	0.1	29.4	0.5	63	7
3442MH0002240021202182C00	2182	14114	6.15	-0.1	0.1	28.6	0.5	31	8

updated: 13_December_2022

Sol 3442 - MAHLI Onboard Focus Merge Product Information

target Up_Helly_Aa - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3442MH0002240011202184C00			
best focus image:	3442MH0005360001202205R00		2205	motor count:	13988	range (cm):	6.9	
range map product:	3442MH0005360001202206S00		2206	acquired sequence:	mhli00224	stack type:	Relative	
acquired on date:	12-Apr-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	42	acquired on sol:	3442	focus merged on sol:	3442			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3442MH0002240021202185C00	2185	13820	8.19	-0.2	0.2	35.7	0.7	255	1
3442MH0002240021202186C00	2186	13862	7.85	-0.2	0.2	34.5	0.7	223	2
3442MH0002240021202187C00	2187	13904	7.52	-0.2	0.2	33.4	0.7	191	3
3442MH0002240021202188C00	2188	13946	7.21	-0.2	0.2	32.3	0.6	159	4
3442MH0002240021202189C00	2189	13988	6.92	-0.2	0.2	31.3	0.6	127	5
3442MH0002240021202190C00	2190	14030	6.65	-0.2	0.2	30.3	0.6	95	6
3442MH0002240021202191C00	2191	14072	6.39	-0.2	0.1	29.4	0.5	63	7
3442MH0002240021202192C00	2192	14114	6.15	-0.1	0.1	28.6	0.5	31	8

updated: 13_December_2022

Sol 3442 - MAHLI Onboard Focus Merge Product Information




target Up_Helly_Aa - ~2 cm standoff

		CDPID	corresponding frame:	3442MH0001760011202194C00			
best focus image:	3442MH0005360001202203R00	2203	motor count:	14652	range (cm):	3.9	
range map product:	3442MH0005360001202204S00	2204	acquired sequence:	mhli00176	stack type:	Relative	
acquired on date:	12-Apr-22		merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	48	acquired on sol:	3442	focus merged on sol:	3442		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3442MH0001760021202195C00	2195	14460	4.57	-0.1	0.1	23.0	0.3	255	1
3442MH0001760021202196C00	2196	14508	4.39	-0.1	0.1	22.4	0.3	223	2
3442MH0001760021202197C00	2197	14556	4.23	-0.1	0.1	21.8	0.3	191	3
3442MH0001760021202198C00	2198	14604	4.07	-0.1	0.1	21.2	0.3	159	4
3442MH0001760021202199C00	2199	14652	3.93	-0.1	0.1	20.7	0.3	127	5
3442MH0001760021202200C00	2200	14700	3.78	-0.1	0.1	20.2	0.3	95	6
3442MH0001760021202201C00	2201	14748	3.65	-0.1	0.1	19.7	0.3	63	7
3442MH0001760021202202C00	2202	14796	3.52	-0.1	0.1	19.3	0.3	31	8

updated: 13_December_2022

Sol 3444 - MAHLI Onboard Focus Merge Product Information



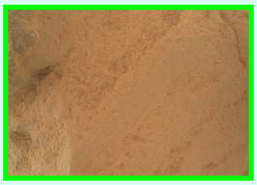

target Dun - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3444MH0003060011202224C00				
best focus image:	3444MH0001930001202257R00	2257	motor count:	13968	range (cm):	7.1		
range map product:	3444MH0001930001202258S00	2258	acquired sequence:	mhli00306	stack type:	Relative		
acquired on date:	14-Apr-22		merge sequence:	mhli00193	merge type:	Basic		
motor count interval:	54	acquired on sol:	3444	focus merged on sol:	3444			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3444MH0003060021202225C00	2225	13752	8.81	-0.2	0.2	37.9	0.8	255	1
3444MH0003060021202226C00	2226	13806	8.32	-0.2	0.2	36.2	0.8	223	2
3444MH0003060021202227C00	2227	13860	7.86	-0.2	0.2	34.6	0.7	191	3
3444MH0003060021202228C00	2228	13914	7.44	-0.2	0.2	33.1	0.7	159	4
3444MH0003060021202229C00	2229	13968	7.06	-0.2	0.2	31.7	0.6	127	5
3444MH0003060021202230C00	2230	14022	6.70	-0.2	0.2	30.5	0.6	95	6
3444MH0003060021202231C00	2231	14076	6.37	-0.2	0.1	29.3	0.5	63	7
3444MH0003060021202232C00	2232	14130	6.06	-0.1	0.1	28.2	0.5	31	8

updated: 13_December_2022

Sol 3444 - MAHLI Onboard Focus Merge Product Information




target Dun - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3444MH0003060011202234C00				
best focus image:	3444MH0001930001202255R00	2255	motor count:	13977	range (cm):	7.0		
range map product:	3444MH0001930001202256S00	2256	acquired sequence:	mhli00306	stack type:	Relative		
acquired on date:	14-Apr-22		merge sequence:	mhli00193	merge type:	Basic		
motor count interval:	54	acquired on sol:	3444	focus merged on sol:	3444			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3444MH0003060021202235C00	2235	13761	8.72	-0.2	0.2	37.6	0.8	255	1
3444MH0003060021202236C00	2236	13815	8.24	-0.2	0.2	35.9	0.8	223	2
3444MH0003060021202237C00	2237	13869	7.79	-0.2	0.2	34.3	0.7	191	3
3444MH0003060021202238C00	2238	13923	7.38	-0.2	0.2	32.9	0.6	159	4
3444MH0003060021202239C00	2239	13977	7.00	-0.2	0.2	31.5	0.6	127	5
3444MH0003060021202240C00	2240	14031	6.64	-0.2	0.2	30.3	0.6	95	6
3444MH0003060021202241C00	2241	14085	6.32	-0.1	0.1	29.1	0.5	63	7
3444MH0003060021202242C00	2242	14139	6.01	-0.1	0.1	28.1	0.5	31	8

updated: 13_December_2022

Sol 3444 - MAHLI Onboard Focus Merge Product Information




target Dun - ~2 cm standoff

		CDPID	corresponding frame:	3444MH0003110011202244C00			
best focus image:	3444MH0001930001202253R00	2253	motor count:	14610	range (cm):	4.1	
range map product:	3444MH0001930001202254S00	2254	acquired sequence:	mhli00311	stack type:	Relative	
acquired on date:	14-Apr-22		merge sequence:	mhli00193	merge type:	Basic	
motor count interval:	66	acquired on sol:	3444	focus merged on sol:	3444		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3444MH0003110021202245C00	2245	14346	5.02	-0.1	0.1	24.6	0.4	255	1
3444MH0003110021202246C00	2246	14412	4.75	-0.1	0.1	23.6	0.3	223	2
3444MH0003110021202247C00	2247	14478	4.50	-0.1	0.1	22.7	0.3	191	3
3444MH0003110021202248C00	2248	14544	4.27	-0.1	0.1	21.9	0.3	159	4
3444MH0003110021202249C00	2249	14610	4.05	-0.1	0.1	21.2	0.3	127	5
3444MH0003110021202250C00	2250	14676	3.85	-0.1	0.1	20.5	0.3	95	6
3444MH0003110021202251C00	2251	14742	3.67	-0.1	0.1	19.8	0.3	63	7
3444MH0003110021202252C00	2252	14808	3.49	-0.1	0.1	19.2	0.3	31	8

updated: 07_February_2023

Sol 3447 - MAHLI Onboard Focus Merge Product Information



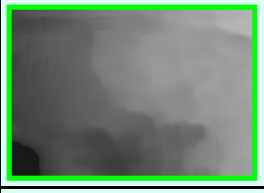

target Spiggie_Beach - stereo-1 - ~4 cm standoff

		CDPID	corresponding frame:	3447MH0002970011202262C00				
best focus image:	3447MH0008170001202314R00	2314	motor count:	14151	range (cm):	5.9		
range map product:	3447MH0008170001202315S00	2315	acquired sequence:	mhli00297	stack type:	Relative		
acquired on date:	17-Apr-22		merge sequence:	mhli00817	merge type:	Basic		
motor count interval:	60	acquired on sol:	3447	focus merged on sol:	3447			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3447MH0002970021202263C00	2263	13911	7.47	-0.2	0.2	33.2	0.7	255	1
3447MH0002970021202264C00	2264	13971	7.04	-0.2	0.2	31.7	0.6	223	2
3447MH0002970021202265C00	2265	14031	6.64	-0.2	0.2	30.3	0.6	191	3
3447MH0002970021202266C00	2266	14091	6.28	-0.1	0.1	29.0	0.5	159	4
3447MH0002970021202267C00	2267	14151	5.95	-0.1	0.1	27.8	0.5	127	5
3447MH0002970021202268C00	2268	14211	5.64	-0.1	0.1	26.7	0.4	95	6
3447MH0002970021202269C00	2269	14271	5.35	-0.1	0.1	25.7	0.4	63	7
3447MH0002970021202270C00	2270	14331	5.08	-0.1	0.1	24.8	0.4	31	8

updated: 07_February_2023

Sol 3447 - MAHLI Onboard Focus Merge Product Information

target Spiggie_Beach - stereo-2 - ~4 cm standoff

		CDPID	corresponding frame:	3447MH0002970011202272C00				
best focus image:	3447MH0008170001202312R00	2312	motor count:	14117	range (cm):	6.1		
range map product:	3447MH0008170001202313S00	2313	acquired sequence:	mhli00297	stack type:	Relative		
acquired on date:	17-Apr-22		merge sequence:	mhli00817	merge type:	Basic		
motor count interval:	60	acquired on sol:	3447	focus merged on sol:	3447			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3447MH0002970021202273C00	2273	13877	7.73	-0.2	0.2	34.1	0.7	255	1
3447MH0002970021202274C00	2274	13937	7.28	-0.2	0.2	32.5	0.6	223	2
3447MH0002970021202275C00	2275	13997	6.86	-0.2	0.2	31.1	0.6	191	3
3447MH0002970021202276C00	2276	14057	6.48	-0.2	0.1	29.7	0.5	159	4
3447MH0002970021202277C00	2277	14117	6.13	-0.1	0.1	28.5	0.5	127	5
3447MH0002970021202278C00	2278	14177	5.81	-0.1	0.1	27.4	0.4	95	6
3447MH0002970021202279C00	2279	14237	5.51	-0.1	0.1	26.3	0.4	63	7
3447MH0002970021202280C00	2280	14297	5.23	-0.1	0.1	25.3	0.4	31	8

updated: 07_February_2023

Sol 3447 - MAHLI Onboard Focus Merge Product Information




target Bains_Beach - stereo-1 - ~35 mm standoff

			CDPID	corresponding frame:	3447MH0007400011202285C00			
best focus image:	3447MH0008170001202310R00		2310	motor count:	14281	range (cm):	5.3	
range map product:	3447MH0008170001202311S00		2311	acquired sequence:	mhli00740	stack type:	Relative	
acquired on date:	17-Apr-22			merge sequence:	mhli00817	merge type:	Basic	
motor count interval:	54	acquired on sol:	3447	focus merged on sol:	3447			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3447MH0007400031202287C00	2287	14065	6.44	-0.2	0.1	29.6	0.5	255	1
3447MH0007400031202288C00	2288	14119	6.12	-0.1	0.1	28.5	0.5	223	2
3447MH0007400031202289C00	2289	14173	5.83	-0.1	0.1	27.4	0.4	191	3
3447MH0007400031202290C00	2290	14227	5.56	-0.1	0.1	26.5	0.4	159	4
3447MH0007400031202291C00	2291	14281	5.30	-0.1	0.1	25.6	0.4	127	5
3447MH0007400031202292C00	2292	14335	5.07	-0.1	0.1	24.7	0.4	95	6
3447MH0007400031202293C00	2293	14389	4.84	-0.1	0.1	23.9	0.4	63	7
3447MH0007400031202294C00	2294	14443	4.63	-0.1	0.1	23.2	0.3	31	8

updated: 07_February_2023

Sol 3447 - MAHLI Onboard Focus Merge Product Information




target Bains_Beach - stereo-2 - ~35 mm standoff

			CDPID	corresponding frame:	3447MH0007400011202296C00			
best focus image:	3447MH0008170001202308R00		2308	motor count:	14287	range (cm):	5.3	
range map product:	3447MH0008170001202309S00		2309	acquired sequence:	mhli00740	stack type:	Relative	
acquired on date:	17-Apr-22			merge sequence:	mhli00817	merge type:	Basic	
motor count interval:	54	acquired on sol:	3447	focus merged on sol:	3447			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3447MH0007400031202298C00	2298	14071	6.40	-0.2	0.1	29.4	0.5	255	1
3447MH0007400031202299C00	2299	14125	6.09	-0.1	0.1	28.3	0.5	223	2
3447MH0007400031202300C00	2300	14179	5.80	-0.1	0.1	27.3	0.4	191	3
3447MH0007400031202301C00	2301	14233	5.53	-0.1	0.1	26.4	0.4	159	4
3447MH0007400031202302C00	2302	14287	5.28	-0.1	0.1	25.5	0.4	127	5
3447MH0007400031202303C00	2303	14341	5.04	-0.1	0.1	24.6	0.4	95	6
3447MH0007400031202304C00	2304	14395	4.82	-0.1	0.1	23.9	0.4	63	7
3447MH0007400031202305C00	2305	14449	4.61	-0.1	0.1	23.1	0.3	31	8

updated: 13_December_2022

Sol 3449 - MAHLI Onboard Focus Merge Product Information




target Runn - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3449MH0002240011202319C00			
best focus image:	3449MH0002650001202342R00	2342	motor count:	14027	range (cm):	6.7	
range map product:	3449MH0002650001202343S00	2343	acquired sequence:	mhli00224	stack type:	Relative	
acquired on date:	19-Apr-22		merge sequence:	mhli00265	merge type:	Basic	
motor count interval:	42	acquired on sol:	3449	focus merged on sol:	3449		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3449MH0002240021202320C00	2320	13859	7.87	-0.2	0.2	34.6	0.7	255	1
3449MH0002240021202321C00	2321	13901	7.54	-0.2	0.2	33.4	0.7	223	2
3449MH0002240021202322C00	2322	13943	7.23	-0.2	0.2	32.4	0.6	191	3
3449MH0002240021202323C00	2323	13985	6.94	-0.2	0.2	31.3	0.6	159	4
3449MH0002240021202324C00	2324	14027	6.67	-0.2	0.2	30.4	0.6	127	5
3449MH0002240021202325C00	2325	14069	6.41	-0.2	0.1	29.5	0.5	95	6
3449MH0002240021202326C00	2326	14111	6.17	-0.1	0.1	28.6	0.5	63	7
3449MH0002240021202327C00	2327	14153	5.94	-0.1	0.1	27.8	0.5	31	8

updated: 13_December_2022

Sol 3449 - MAHLI Onboard Focus Merge Product Information




target Runn - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3449MH0002240011202329C00			
best focus image:	3449MH0002650001202340R00	2340	motor count:	14030	range (cm):	6.7	
range map product:	3449MH0002650001202341S00	2341	acquired sequence:	mhli00224	stack type:	Relative	
acquired on date:	19-Apr-22		merge sequence:	mhli00265	merge type:	Basic	
motor count interval:	42	acquired on sol:	3449	focus merged on sol:	3449		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3449MH0002240021202330C00	2330	13862	7.85	-0.2	0.2	34.5	0.7	255	1
3449MH0002240021202331C00	2331	13904	7.52	-0.2	0.2	33.4	0.7	223	2
3449MH0002240021202332C00	2332	13946	7.21	-0.2	0.2	32.3	0.6	191	3
3449MH0002240021202333C00	2333	13988	6.92	-0.2	0.2	31.3	0.6	159	4
3449MH0002240021202334C00	2334	14030	6.65	-0.2	0.2	30.3	0.6	127	5
3449MH0002240021202335C00	2335	14072	6.39	-0.2	0.1	29.4	0.5	95	6
3449MH0002240021202336C00	2336	14114	6.15	-0.1	0.1	28.6	0.5	63	7
3449MH0002240021202337C00	2337	14156	5.92	-0.1	0.1	27.7	0.5	31	8

updated: 13_December_2022

Sol 3451 - MAHLI Onboard Focus Merge Product Information



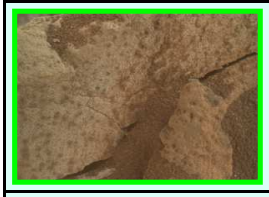
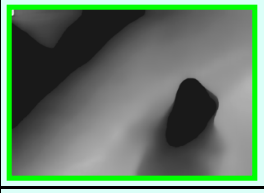

target Rumblings - stereo-1 - ~35 mm standoff

		CDPID	corresponding frame:	3451MH0008430011202348C00				
best focus image:	3451MH0001700001202455R00	2455	motor count:	14221	range (cm):	5.6		
range map product:	3451MH0001700001202456S00	2456	acquired sequence:	mhli00843	stack type:	Relative		
acquired on date:	22-Apr-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	42	acquired on sol:	3451	focus merged on sol:	3451			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3451MH0008430031202350C00	2350	14053	6.51	-0.2	0.1	29.8	0.5	255	1
3451MH0008430031202351C00	2351	14095	6.26	-0.1	0.1	28.9	0.5	223	2
3451MH0008430031202352C00	2352	14137	6.02	-0.1	0.1	28.1	0.5	191	3
3451MH0008430031202353C00	2353	14179	5.80	-0.1	0.1	27.3	0.4	159	4
3451MH0008430031202354C00	2354	14221	5.59	-0.1	0.1	26.6	0.4	127	5
3451MH0008430031202355C00	2355	14263	5.39	-0.1	0.1	25.9	0.4	95	6
3451MH0008430031202356C00	2356	14305	5.20	-0.1	0.1	25.2	0.4	63	7
3451MH0008430031202357C00	2357	14347	5.01	-0.1	0.1	24.6	0.4	31	8

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target Rumblings - stereo-2 - ~35 mm standoff

		CDPID	corresponding frame:	3451MH0008430011202359C00				
best focus image:	3451MH0001700001202453R00	2453	motor count:	14212	range (cm):	5.6		
range map product:	3451MH0001700001202454S00	2454	acquired sequence:	mhli00843	stack type:	Relative		
acquired on date:	22-Apr-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	42	acquired on sol:	3451	focus merged on sol:	3451			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3451MH0008430031202361C00	2361	14044	6.56	-0.2	0.1	30.0	0.5	255	1
3451MH0008430031202362C00	2362	14086	6.31	-0.1	0.1	29.1	0.5	223	2
3451MH0008430031202363C00	2363	14128	6.07	-0.1	0.1	28.3	0.5	191	3
3451MH0008430031202364C00	2364	14170	5.85	-0.1	0.1	27.5	0.4	159	4
3451MH0008430031202365C00	2365	14212	5.63	-0.1	0.1	26.7	0.4	127	5
3451MH0008430031202366C00	2366	14254	5.43	-0.1	0.1	26.0	0.4	95	6
3451MH0008430031202367C00	2367	14296	5.24	-0.1	0.1	25.3	0.4	63	7
3451MH0008430031202368C00	2368	14338	5.05	-0.1	0.1	24.7	0.4	31	8

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target Shandon - after DRT - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3451MH0007630011202373C00				
best focus image:	3451MH0001700001202451R00	2451	motor count:	13989	range (cm):	6.9		
range map product:	3451MH0001700001202452S00	2452	acquired sequence:	mhli00763	stack type:	Relative		
acquired on date:	22-Apr-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	24	acquired on sol:	3451	focus merged on sol:	3451			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3451MH0007630031202375C00	2375	13893	7.60	-0.2	0.2	33.7	0.7	255	1
3451MH0007630031202376C00	2376	13917	7.42	-0.2	0.2	33.0	0.6	223	2
3451MH0007630031202377C00	2377	13941	7.25	-0.2	0.2	32.4	0.6	191	3
3451MH0007630031202378C00	2378	13965	7.08	-0.2	0.2	31.8	0.6	159	4
3451MH0007630031202379C00	2379	13989	6.92	-0.2	0.2	31.2	0.6	127	5
3451MH0007630031202380C00	2380	14013	6.76	-0.2	0.2	30.7	0.6	95	6
3451MH0007630031202381C00	2381	14037	6.61	-0.2	0.2	30.2	0.5	63	7
3451MH0007630031202382C00	2382	14061	6.46	-0.2	0.1	29.6	0.5	31	8

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Sol 3451 - MAHLI Onboard Focus Merge Product Information




target Shandon - after DRT - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3451MH0007630011202384C00				
best focus image:	3451MH0001700001202449R00	2449	motor count:	13988	range (cm):	6.9		
range map product:	3451MH0001700001202450S00	2450	acquired sequence:	mhli00763	stack type:	Relative		
acquired on date:	22-Apr-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	24	acquired on sol:	3451	focus merged on sol:	3451			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3451MH0007630031202386C00	2386	13892	7.61	-0.2	0.2	33.7	0.7	255	1
3451MH0007630031202387C00	2387	13916	7.43	-0.2	0.2	33.1	0.6	223	2
3451MH0007630031202388C00	2388	13940	7.26	-0.2	0.2	32.4	0.6	191	3
3451MH0007630031202389C00	2389	13964	7.09	-0.2	0.2	31.8	0.6	159	4
3451MH0007630031202390C00	2390	13988	6.92	-0.2	0.2	31.3	0.6	127	5
3451MH0007630031202391C00	2391	14012	6.77	-0.2	0.2	30.7	0.6	95	6
3451MH0007630031202392C00	2392	14036	6.61	-0.2	0.2	30.2	0.5	63	7
3451MH0007630031202393C00	2393	14060	6.47	-0.2	0.1	29.7	0.5	31	8

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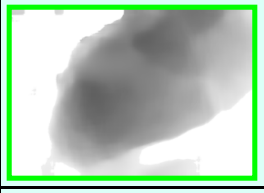

target Shandon - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3451MH0008240011202395C00				
best focus image:	3451MH0001700001202447R00	2447	motor count:	14648	range (cm):	3.9		
range map product:	3451MH0001700001202448S00	2448	acquired sequence:	mhli00824	stack type:	Relative		
acquired on date:	22-Apr-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	42	acquired on sol:	3451	focus merged on sol:	3451			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3451MH0008240031202397C00	2397	14480	4.49	-0.1	0.1	22.7	0.3	255	1
3451MH0008240031202398C00	2398	14522	4.35	-0.1	0.1	22.2	0.3	223	2
3451MH0008240031202399C00	2399	14564	4.20	-0.1	0.1	21.7	0.3	191	3
3451MH0008240031202400C00	2400	14606	4.07	-0.1	0.1	21.2	0.3	159	4
3451MH0008240031202401C00	2401	14648	3.94	-0.1	0.1	20.8	0.3	127	5
3451MH0008240031202402C00	2402	14690	3.81	-0.1	0.1	20.3	0.3	95	6
3451MH0008240031202403C00	2403	14732	3.69	-0.1	0.1	19.9	0.3	63	7
3451MH0008240031202404C00	2404	14774	3.58	-0.1	0.1	19.5	0.3	31	8

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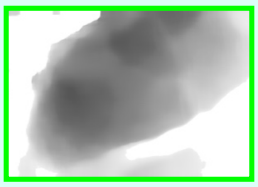
target Nesting - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3451MH0006990011202409C00				
best focus image:	3451MH0001700001202445R00	2445	motor count:	14013	range (cm):	6.8		
range map product:	3451MH0001700001202446S00	2446	acquired sequence:	mhli00699	stack type:	Relative		
acquired on date:	22-Apr-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	30	acquired on sol:	3451	focus merged on sol:	3451			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3451MH0006990031202411C00	2411	13893	7.60	-0.2	0.2	33.7	0.7	255	1
3451MH0006990031202412C00	2412	13923	7.38	-0.2	0.2	32.9	0.6	223	2
3451MH0006990031202413C00	2413	13953	7.16	-0.2	0.2	32.1	0.6	191	3
3451MH0006990031202414C00	2414	13983	6.96	-0.2	0.2	31.4	0.6	159	4
3451MH0006990031202415C00	2415	14013	6.76	-0.2	0.2	30.7	0.6	127	5
3451MH0006990031202416C00	2416	14043	6.57	-0.2	0.1	30.0	0.5	95	6
3451MH0006990031202417C00	2417	14073	6.39	-0.2	0.1	29.4	0.5	63	7
3451MH0006990031202418C00	2418	14103	6.21	-0.1	0.1	28.8	0.5	31	8

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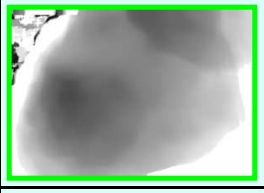
target Nesting - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3451MH0006990011202420C00			
best focus image:	3451MH0001700001202443R00	2443	motor count:	14004	range (cm):	6.8	
range map product:	3451MH0001700001202444S00	2444	acquired sequence:	mhli00699	stack type:	Relative	
acquired on date:	22-Apr-22		merge sequence:	mhli00170	merge type:	Basic	
motor count interval:	30	acquired on sol:	3451	focus merged on sol:	3451		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3451MH0006990031202422C00	2422	13884	7.67	-0.2	0.2	33.9	0.7	255	1
3451MH0006990031202423C00	2423	13914	7.44	-0.2	0.2	33.1	0.7	223	2
3451MH0006990031202424C00	2424	13944	7.23	-0.2	0.2	32.3	0.6	191	3
3451MH0006990031202425C00	2425	13974	7.02	-0.2	0.2	31.6	0.6	159	4
3451MH0006990031202426C00	2426	14004	6.82	-0.2	0.2	30.9	0.6	127	5
3451MH0006990031202427C00	2427	14034	6.63	-0.2	0.2	30.2	0.6	95	6
3451MH0006990031202428C00	2428	14064	6.44	-0.2	0.1	29.6	0.5	63	7
3451MH0006990031202429C00	2429	14094	6.27	-0.1	0.1	29.0	0.5	31	8

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target Nesting - ~2 cm standoff

		CDPID	corresponding frame:	3451MH0008240011202431C00			
best focus image:	3451MH0001700001202441R00	2441	motor count:	14718	range (cm):	3.7	
range map product:	3451MH0001700001202442S00	2442	acquired sequence:	mhli00824	stack type:	Relative	
acquired on date:	22-Apr-22		merge sequence:	mhli00170	merge type:	Basic	
motor count interval:	42	acquired on sol:	3451	focus merged on sol:	3451		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3451MH0008240031202433C00	2433	14550	4.25	-0.1	0.1	21.9	0.3	255	1
3451MH0008240031202434C00	2434	14592	4.11	-0.1	0.1	21.4	0.3	223	2
3451MH0008240031202435C00	2435	14634	3.98	-0.1	0.1	20.9	0.3	191	3
3451MH0008240031202436C00	2436	14676	3.85	-0.1	0.1	20.5	0.3	159	4
3451MH0008240031202437C00	2437	14718	3.73	-0.1	0.1	20.0	0.3	127	5
3451MH0008240031202438C00	2438	14760	3.62	-0.1	0.1	19.6	0.3	95	6
3451MH0008240031202439C00	2439	14802	3.51	-0.1	0.1	19.2	0.3	63	7
3451MH0008240031202440C00	2440	14844	3.40	-0.1	0.1	18.9	0.2	31	8

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Sol 3453 - MAHLI Onboard Focus Merge Product Information



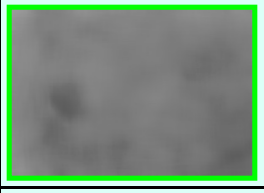

target Delting - after DRT - stereo-1 - relief model position 1 - ~5 cm standoff

			CDPID	corresponding frame:	3453MH0007630011202461C00			
best focus image:	3454MH0001630001202546R00		2546	motor count:	13998	range (cm):	6.9	
range map product:	3454MH0001630001202547S00		2547	acquired sequence:	mhli00763	stack type:	Relative	
acquired on date:	24-Apr-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3453	focus merged on sol:	3454			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3453MH0007630031202463C00	2463	13902	7.53	-0.2	0.2	33.4	0.7	255	1
3453MH0007630031202464C00	2464	13926	7.36	-0.2	0.2	32.8	0.6	223	2
3453MH0007630031202465C00	2465	13950	7.18	-0.2	0.2	32.2	0.6	191	3
3453MH0007630031202466C00	2466	13974	7.02	-0.2	0.2	31.6	0.6	159	4
3453MH0007630031202467C00	2467	13998	6.86	-0.2	0.2	31.0	0.6	127	5
3453MH0007630031202468C00	2468	14022	6.70	-0.2	0.2	30.5	0.6	95	6
3453MH0007630031202469C00	2469	14046	6.55	-0.2	0.1	30.0	0.5	63	7
3453MH0007630031202470C00	2470	14070	6.41	-0.2	0.1	29.4	0.5	31	8

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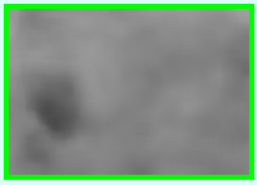
target Delting - after DRT - stereo-2 - relief model position 2 - ~5 cm standoff

			CDPID	corresponding frame:	3453MH0007630011202472C00			
best focus image:	3454MH0001630001202544R00		2544	motor count:	13999	range (cm):	6.9	
range map product:	3454MH0001630001202545S00		2545	acquired sequence:	mhli00763	stack type:	Relative	
acquired on date:	24-Apr-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3453	focus merged on sol:	3454			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3453MH0007630031202474C00	2474	13903	7.53	-0.2	0.2	33.4	0.7	255	1
3453MH0007630031202475C00	2475	13927	7.35	-0.2	0.2	32.8	0.6	223	2
3453MH0007630031202476C00	2476	13951	7.18	-0.2	0.2	32.2	0.6	191	3
3453MH0007630031202477C00	2477	13975	7.01	-0.2	0.2	31.6	0.6	159	4
3453MH0007630031202478C00	2478	13999	6.85	-0.2	0.2	31.0	0.6	127	5
3453MH0007630031202479C00	2479	14023	6.70	-0.2	0.2	30.5	0.6	95	6
3453MH0007630031202480C00	2480	14047	6.55	-0.2	0.1	29.9	0.5	63	7
3453MH0007630031202481C00	2481	14071	6.40	-0.2	0.1	29.4	0.5	31	8

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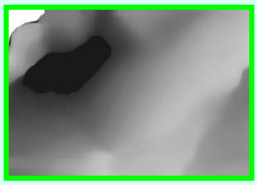
target Delting - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3453MH0008130011202489C00			
best focus image:	3454MH0001630001202542R00	2542	motor count:	14691	range (cm):	3.8	
range map product:	3454MH0001630001202543S00	2543	acquired sequence:	mhli00813	stack type:	Relative	
acquired on date:	24-Apr-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	30	acquired on sol:	3453	focus merged on sol:	3454		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3453MH0008130031202491C00	2491	14571	4.18	-0.1	0.1	21.6	0.3	255	1
3453MH0008130031202492C00	2492	14601	4.08	-0.1	0.1	21.3	0.3	223	2
3453MH0008130031202493C00	2493	14631	3.99	-0.1	0.1	20.9	0.3	191	3
3453MH0008130031202494C00	2494	14661	3.90	-0.1	0.1	20.6	0.3	159	4
3453MH0008130031202495C00	2495	14691	3.81	-0.1	0.1	20.3	0.3	127	5
3453MH0008130031202496C00	2496	14721	3.72	-0.1	0.1	20.0	0.3	95	6
3453MH0008130031202497C00	2497	14751	3.64	-0.1	0.1	19.7	0.3	63	7
3453MH0008130031202498C00	2498	14781	3.56	-0.1	0.1	19.4	0.3	31	8

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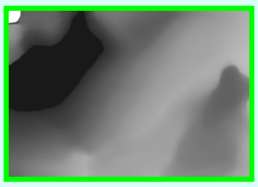
target Rumblings - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3453MH0007090011202503C00			
best focus image:	3454MH0001630001202540R00	2540	motor count:	14026	range (cm):	6.7	
range map product:	3454MH0001630001202541S00	2541	acquired sequence:	mhli00709	stack type:	Relative	
acquired on date:	24-Apr-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	48	acquired on sol:	3453	focus merged on sol:	3454		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3453MH0007090031202505C00	2505	13834	8.08	-0.2	0.2	35.3	0.7	255	1
3453MH0007090031202506C00	2506	13882	7.69	-0.2	0.2	34.0	0.7	223	2
3453MH0007090031202507C00	2507	13930	7.33	-0.2	0.2	32.7	0.6	191	3
3453MH0007090031202508C00	2508	13978	6.99	-0.2	0.2	31.5	0.6	159	4
3453MH0007090031202509C00	2509	14026	6.68	-0.2	0.2	30.4	0.6	127	5
3453MH0007090031202510C00	2510	14074	6.38	-0.2	0.1	29.4	0.5	95	6
3453MH0007090031202511C00	2511	14122	6.11	-0.1	0.1	28.4	0.5	63	7
3453MH0007090031202512C00	2512	14170	5.85	-0.1	0.1	27.5	0.4	31	8

updated: 13_December_2022

Sol 3453 - MAHLI Onboard Focus Merge Product Information

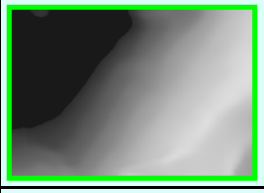
target Rumblings - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3453MH0007090011202514C00			
best focus image:	3454MH0001630001202538R00	2538	motor count:	13994	range (cm):	6.9	
range map product:	3454MH0001630001202539S00	2539	acquired sequence:	mhli00709	stack type:	Relative	
acquired on date:	24-Apr-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	48	acquired on sol:	3453	focus merged on sol:	3454		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3453MH0007090031202516C00	2516	13802	8.35	-0.2	0.2	36.3	0.8	255	1
3453MH0007090031202517C00	2517	13850	7.94	-0.2	0.2	34.9	0.7	223	2
3453MH0007090031202518C00	2518	13898	7.56	-0.2	0.2	33.5	0.7	191	3
3453MH0007090031202519C00	2519	13946	7.21	-0.2	0.2	32.3	0.6	159	4
3453MH0007090031202520C00	2520	13994	6.88	-0.2	0.2	31.1	0.6	127	5
3453MH0007090031202521C00	2521	14042	6.58	-0.2	0.2	30.0	0.5	95	6
3453MH0007090031202522C00	2522	14090	6.29	-0.1	0.1	29.0	0.5	63	7
3453MH0007090031202523C00	2523	14138	6.02	-0.1	0.1	28.1	0.5	31	8

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Sol 3453 - MAHLI Onboard Focus Merge Product Information

target Rumblings - ~2 cm standoff

		CDPID	corresponding frame:	3453MH0007110011202525C00			
best focus image:	3454MH0001630001202536R00	2536	motor count:	14737	range (cm):	3.7	
range map product:	3454MH0001630001202537S00	2537	acquired sequence:	mhli00711	stack type:	Relative	
acquired on date:	24-Apr-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	72	acquired on sol:	3453	focus merged on sol:	3454		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3453MH0007110031202527C00	2527	14449	4.61	-0.1	0.1	23.1	0.3	255	1
3453MH0007110031202528C00	2528	14521	4.35	-0.1	0.1	22.2	0.3	223	2
3453MH0007110031202529C00	2529	14593	4.11	-0.1	0.1	21.4	0.3	191	3
3453MH0007110031202530C00	2530	14665	3.89	-0.1	0.1	20.6	0.3	159	4
3453MH0007110031202531C00	2531	14737	3.68	-0.1	0.1	19.9	0.3	127	5
3453MH0007110031202532C00	2532	14809	3.49	-0.1	0.1	19.2	0.3	95	6
3453MH0007110031202533C00	2533	14881	3.31	-0.1	0.1	18.5	0.2	63	7
3453MH0007110031202534C00	2534	14953	3.14	-0.1	0.1	18.0	0.2	31	8

updated: 13_December_2022

Sol 3456 - MAHLI Onboard Focus Merge Product Information



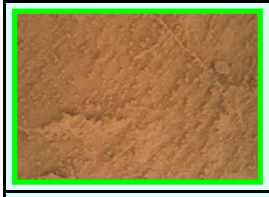
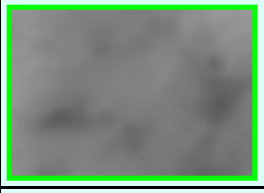

target Colla_Firth - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3456MH0001820011202552C00			
best focus image:	3456MH0002650001202573R00		2573	motor count:	14062	range (cm):	6.5	
range map product:	3456MH0002650001202574S00		2574	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	27-Apr-22			merge sequence:	mhli00265	merge type:	Basic	
motor count interval:	24	acquired on sol:	3456	focus merged on sol:	3456			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3456MH0001820021202553C00	2553	13966	7.07	-0.2	0.2	31.8	0.6	255	1
3456MH0001820021202554C00	2554	13990	6.91	-0.2	0.2	31.2	0.6	223	2
3456MH0001820021202555C00	2555	14014	6.75	-0.2	0.2	30.7	0.6	191	3
3456MH0001820021202556C00	2556	14038	6.60	-0.2	0.2	30.1	0.5	159	4
3456MH0001820021202557C00	2557	14062	6.45	-0.2	0.1	29.6	0.5	127	5
3456MH0001820021202558C00	2558	14086	6.31	-0.1	0.1	29.1	0.5	95	6
3456MH0001820021202559C00	2559	14110	6.17	-0.1	0.1	28.6	0.5	63	7
3456MH0001820021202560C00	2560	14134	6.04	-0.1	0.1	28.2	0.5	31	8

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Sol 3456 - MAHLI Onboard Focus Merge Product Information

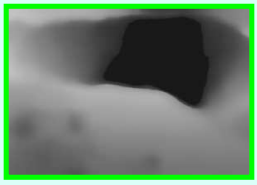
target Colla_Firth - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3456MH0001820011202562C00			
best focus image:	3456MH0002650001202571R00		2571	motor count:	14064	range (cm):	6.4	
range map product:	3456MH0002650001202572S00		2572	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	27-Apr-22			merge sequence:	mhli00265	merge type:	Basic	
motor count interval:	24	acquired on sol:	3456	focus merged on sol:	3456			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3456MH0001820021202563C00	2563	13968	7.06	-0.2	0.2	31.7	0.6	255	1
3456MH0001820021202564C00	2564	13992	6.90	-0.2	0.2	31.2	0.6	223	2
3456MH0001820021202565C00	2565	14016	6.74	-0.2	0.2	30.6	0.6	191	3
3456MH0001820021202566C00	2566	14040	6.59	-0.2	0.2	30.1	0.5	159	4
3456MH0001820021202567C00	2567	14064	6.44	-0.2	0.1	29.6	0.5	127	5
3456MH0001820021202568C00	2568	14088	6.30	-0.1	0.1	29.1	0.5	95	6
3456MH0001820021202569C00	2569	14112	6.16	-0.1	0.1	28.6	0.5	63	7
3456MH0001820021202570C00	2570	14136	6.03	-0.1	0.1	28.1	0.5	31	8

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Sol 3458 - MAHLI Onboard Focus Merge Product Information

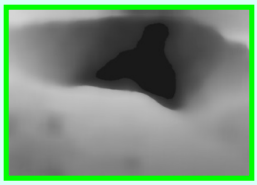
target Orton_Scar - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3458MH0001730011202579C00			
best focus image:	3458MH0002270001202639R00	2639	motor count:	14172	range (cm):	5.8	
range map product:	3458MH0002270001202640S00	2640	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	29-Apr-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	30	acquired on sol:	3458	focus merged on sol:	3458		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3458MH0001730021202580C00	2580	14052	6.51	-0.2	0.1	29.8	0.5	255	1
3458MH0001730021202581C00	2581	14082	6.33	-0.2	0.1	29.2	0.5	223	2
3458MH0001730021202582C00	2582	14112	6.16	-0.1	0.1	28.6	0.5	191	3
3458MH0001730021202583C00	2583	14142	6.00	-0.1	0.1	28.0	0.5	159	4
3458MH0001730021202584C00	2584	14172	5.84	-0.1	0.1	27.4	0.4	127	5
3458MH0001730021202585C00	2585	14202	5.68	-0.1	0.1	26.9	0.4	95	6
3458MH0001730021202586C00	2586	14232	5.53	-0.1	0.1	26.4	0.4	63	7
3458MH0001730021202587C00	2587	14262	5.39	-0.1	0.1	25.9	0.4	31	8

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Sol 3458 - MAHLI Onboard Focus Merge Product Information

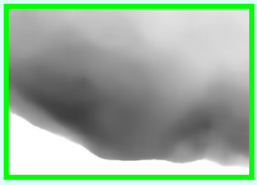
target Orton_Scar - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3458MH0001730011202589C00			
best focus image:	3458MH0002270001202637R00	2637	motor count:	14192	range (cm):	5.7	
range map product:	3458MH0002270001202638S00	2638	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	29-Apr-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	30	acquired on sol:	3458	focus merged on sol:	3458		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3458MH0001730021202590C00	2590	14072	6.39	-0.2	0.1	29.4	0.5	255	1
3458MH0001730021202591C00	2591	14102	6.22	-0.1	0.1	28.8	0.5	223	2
3458MH0001730021202592C00	2592	14132	6.05	-0.1	0.1	28.2	0.5	191	3
3458MH0001730021202593C00	2593	14162	5.89	-0.1	0.1	27.6	0.4	159	4
3458MH0001730021202594C00	2594	14192	5.73	-0.1	0.1	27.1	0.4	127	5
3458MH0001730021202595C00	2595	14222	5.58	-0.1	0.1	26.6	0.4	95	6
3458MH0001730021202596C00	2596	14252	5.44	-0.1	0.1	26.0	0.4	63	7
3458MH0001730021202597C00	2597	14282	5.30	-0.1	0.1	25.6	0.4	31	8

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Sol 3458 - MAHLI Onboard Focus Merge Product Information

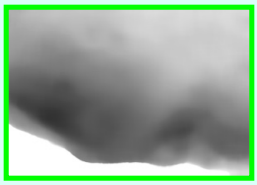
target Cow_Head - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3458MH0001820011202602C00				
best focus image:	3458MH0002270001202635R00	2635	motor count:	13999	range (cm):	6.9		
range map product:	3458MH0002270001202636S00	2636	acquired sequence:	mhli00182	stack type:	Relative		
acquired on date:	29-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	24	acquired on sol:	3458	focus merged on sol:	3458			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3458MH0001820021202603C00	2603	13903	7.53	-0.2	0.2	33.4	0.7	255	1
3458MH0001820021202604C00	2604	13927	7.35	-0.2	0.2	32.8	0.6	223	2
3458MH0001820021202605C00	2605	13951	7.18	-0.2	0.2	32.2	0.6	191	3
3458MH0001820021202606C00	2606	13975	7.01	-0.2	0.2	31.6	0.6	159	4
3458MH0001820021202607C00	2607	13999	6.85	-0.2	0.2	31.0	0.6	127	5
3458MH0001820021202608C00	2608	14023	6.70	-0.2	0.2	30.5	0.6	95	6
3458MH0001820021202609C00	2609	14047	6.55	-0.2	0.1	29.9	0.5	63	7
3458MH0001820021202610C00	2610	14071	6.40	-0.2	0.1	29.4	0.5	31	8

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Sol 3458 - MAHLI Onboard Focus Merge Product Information

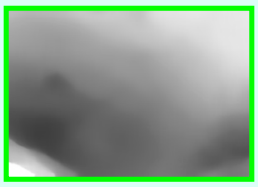
target Cow_Head - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3458MH0001820011202612C00				
best focus image:	3458MH0002270001202633R00	2633	motor count:	13994	range (cm):	6.9		
range map product:	3458MH0002270001202634S00	2634	acquired sequence:	mhli00182	stack type:	Relative		
acquired on date:	29-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	24	acquired on sol:	3458	focus merged on sol:	3458			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3458MH0001820021202613C00	2613	13898	7.56	-0.2	0.2	33.5	0.7	255	1
3458MH0001820021202614C00	2614	13922	7.39	-0.2	0.2	32.9	0.6	223	2
3458MH0001820021202615C00	2615	13946	7.21	-0.2	0.2	32.3	0.6	191	3
3458MH0001820021202616C00	2616	13970	7.05	-0.2	0.2	31.7	0.6	159	4
3458MH0001820021202617C00	2617	13994	6.88	-0.2	0.2	31.1	0.6	127	5
3458MH0001820021202618C00	2618	14018	6.73	-0.2	0.2	30.6	0.6	95	6
3458MH0001820021202619C00	2619	14042	6.58	-0.2	0.2	30.0	0.5	63	7
3458MH0001820021202620C00	2620	14066	6.43	-0.2	0.1	29.5	0.5	31	8

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Sol 3458 - MAHLI Onboard Focus Merge Product Information

target Cow_Head - ~2 cm standoff

		CDPID	corresponding frame:	3458MH0001760011202622C00			
best focus image:	3458MH0002270001202631R00	2631	motor count:	14692	range (cm):	3.8	
range map product:	3458MH0002270001202632S00	2632	acquired sequence:	mhli00176	stack type:	Relative	
acquired on date:	29-Apr-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	48	acquired on sol:	3458	focus merged on sol:	3458		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3458MH0001760021202623C00	2623	14500	4.42	-0.1	0.1	22.5	0.3	255	1
3458MH0001760021202624C00	2624	14548	4.26	-0.1	0.1	21.9	0.3	223	2
3458MH0001760021202625C00	2625	14596	4.10	-0.1	0.1	21.3	0.3	191	3
3458MH0001760021202626C00	2626	14644	3.95	-0.1	0.1	20.8	0.3	159	4
3458MH0001760021202627C00	2627	14692	3.81	-0.1	0.1	20.3	0.3	127	5
3458MH0001760021202628C00	2628	14740	3.67	-0.1	0.1	19.8	0.3	95	6
3458MH0001760021202629C00	2629	14788	3.54	-0.1	0.1	19.4	0.3	63	7
3458MH0001760021202630C00	2630	14836	3.42	-0.1	0.1	18.9	0.2	31	8

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Sol 3459 - MAHLI Onboard Focus Merge Product Information




target Castlecraig - stereo-1 - relief model position 1 - ~55 mm standoff

		CDPID	corresponding frame:	3459MH0007400011202645C00				
best focus image:	3461MH0002270001202714R00	2714	motor count:	13931	range (cm):	7.3		
range map product:	3461MH0002270001202715S00	2715	acquired sequence:	mhli00740	stack type:	Relative		
acquired on date:	30-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	54	acquired on sol:	3459	focus merged on sol:	3461			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3459MH0007400031202647C00	2647	13715	9.18	-0.3	0.3	39.2	0.9	255	1
3459MH0007400031202648C00	2648	13769	8.65	-0.2	0.2	37.3	0.8	223	2
3459MH0007400031202649C00	2649	13823	8.17	-0.2	0.2	35.7	0.7	191	3
3459MH0007400031202650C00	2650	13877	7.73	-0.2	0.2	34.1	0.7	159	4
3459MH0007400031202651C00	2651	13931	7.32	-0.2	0.2	32.7	0.6	127	5
3459MH0007400031202652C00	2652	13985	6.94	-0.2	0.2	31.3	0.6	95	6
3459MH0007400031202653C00	2653	14039	6.59	-0.2	0.2	30.1	0.5	63	7
3459MH0007400031202654C00	2654	14093	6.27	-0.1	0.1	29.0	0.5	31	8

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Sol 3459 - MAHLI Onboard Focus Merge Product Information




target Castlecraig - stereo-2 - relief model position 2 - ~55 mm standoff

		CDPID	corresponding frame:	3459MH0007400011202656C00				
best focus image:	3461MH0002270001202712R00	2712	motor count:	13924	range (cm):	7.4		
range map product:	3461MH0002270001202713S00	2713	acquired sequence:	mhli00740	stack type:	Relative		
acquired on date:	30-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	54	acquired on sol:	3459	focus merged on sol:	3461			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3459MH0007400031202658C00	2658	13708	9.25	-0.3	0.3	39.4	0.9	255	1
3459MH0007400031202659C00	2659	13762	8.72	-0.2	0.2	37.6	0.8	223	2
3459MH0007400031202660C00	2660	13816	8.23	-0.2	0.2	35.9	0.8	191	3
3459MH0007400031202661C00	2661	13870	7.78	-0.2	0.2	34.3	0.7	159	4
3459MH0007400031202662C00	2662	13924	7.37	-0.2	0.2	32.8	0.6	127	5
3459MH0007400031202663C00	2663	13978	6.99	-0.2	0.2	31.5	0.6	95	6
3459MH0007400031202664C00	2664	14032	6.64	-0.2	0.2	30.3	0.6	63	7
3459MH0007400031202665C00	2665	14086	6.31	-0.1	0.1	29.1	0.5	31	8

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Sol 3459 - MAHLI Onboard Focus Merge Product Information




target Castlecraig - ~35 mm standoff

		CDPID	corresponding frame:	3459MH0008440011202673C00				
best focus image:	3461MH0002270001202710R00	2710	motor count:	14277	range (cm):	5.3		
range map product:	3461MH0002270001202711S00	2711	acquired sequence:	mhli00844	stack type:	Relative		
acquired on date:	30-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	66	acquired on sol:	3459	focus merged on sol:	3461			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3459MH0008440031202675C00	2675	14013	6.76	-0.2	0.2	30.7	0.6	255	1
3459MH0008440031202676C00	2676	14079	6.35	-0.2	0.1	29.3	0.5	223	2
3459MH0008440031202677C00	2677	14145	5.98	-0.1	0.1	28.0	0.5	191	3
3459MH0008440031202678C00	2678	14211	5.64	-0.1	0.1	26.7	0.4	159	4
3459MH0008440031202679C00	2679	14277	5.32	-0.1	0.1	25.6	0.4	127	5
3459MH0008440031202680C00	2680	14343	5.03	-0.1	0.1	24.6	0.4	95	6
3459MH0008440031202681C00	2681	14409	4.76	-0.1	0.1	23.7	0.3	63	7
3459MH0008440031202682C00	2682	14475	4.51	-0.1	0.1	22.8	0.3	31	8

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Sol 3459 - MAHLI Onboard Focus Merge Product Information




target Cat_Firth - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3459MH0001820011202687C00				
best focus image:	3461MH0002270001202708R00	2708	motor count:	13992	range (cm):	6.9		
range map product:	3461MH0002270001202709S00	2709	acquired sequence:	mhli00182	stack type:	Relative		
acquired on date:	30-Apr-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	24	acquired on sol:	3459	focus merged on sol:	3461			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3459MH0001820021202688C00	2688	13896	7.58	-0.2	0.2	33.6	0.7	255	1
3459MH0001820021202689C00	2689	13920	7.40	-0.2	0.2	32.9	0.6	223	2
3459MH0001820021202690C00	2690	13944	7.23	-0.2	0.2	32.3	0.6	191	3
3459MH0001820021202691C00	2691	13968	7.06	-0.2	0.2	31.7	0.6	159	4
3459MH0001820021202692C00	2692	13992	6.90	-0.2	0.2	31.2	0.6	127	5
3459MH0001820021202693C00	2693	14016	6.74	-0.2	0.2	30.6	0.6	95	6
3459MH0001820021202694C00	2694	14040	6.59	-0.2	0.2	30.1	0.5	63	7
3459MH0001820021202695C00	2695	14064	6.44	-0.2	0.1	29.6	0.5	31	8

updated: 13_December_2022

Sol 3459 - MAHLI Onboard Focus Merge Product Information



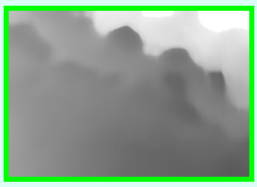

target Cat_Firth - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3459MH0001820011202697C00			
best focus image:	3461MH0002270001202706R00		2706	motor count:	13994	range (cm):	6.9	
range map product:	3461MH0002270001202707S00		2707	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	30-Apr-22			merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	24	acquired on sol:	3459	focus merged on sol:	3461			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3459MH0001820021202698C00	2698	13898	7.56	-0.2	0.2	33.5	0.7	255	1
3459MH0001820021202699C00	2699	13922	7.39	-0.2	0.2	32.9	0.6	223	2
3459MH0001820021202700C00	2700	13946	7.21	-0.2	0.2	32.3	0.6	191	3
3459MH0001820021202701C00	2701	13970	7.05	-0.2	0.2	31.7	0.6	159	4
3459MH0001820021202702C00	2702	13994	6.88	-0.2	0.2	31.1	0.6	127	5
3459MH0001820021202703C00	2703	14018	6.73	-0.2	0.2	30.6	0.6	95	6
3459MH0001820021202704C00	2704	14042	6.58	-0.2	0.2	30.0	0.5	63	7
3459MH0001820021202705C00	2705	14066	6.43	-0.2	0.1	29.5	0.5	31	8

updated: 13_December_2022

Sol 3462 - MAHLI Onboard Focus Merge Product Information

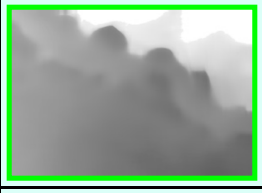
target Gran_Sabana - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3462MH0002990011202719C00			
best focus image:	3462MH0002270001202778R00		2778	motor count:	14015	range (cm):	6.7	
range map product:	3462MH0002270001202779S00		2779	acquired sequence:	mhli00299	stack type:	Relative	
acquired on date:	3-May-22			merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	36		acquired on sol:	3462	focus merged on sol:	3462		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3462MH0002990021202720C00	2720	13871	7.77	-0.2	0.2	34.3	0.7	255	1
3462MH0002990021202721C00	2721	13907	7.50	-0.2	0.2	33.3	0.7	223	2
3462MH0002990021202722C00	2722	13943	7.23	-0.2	0.2	32.4	0.6	191	3
3462MH0002990021202723C00	2723	13979	6.98	-0.2	0.2	31.5	0.6	159	4
3462MH0002990021202724C00	2724	14015	6.75	-0.2	0.2	30.6	0.6	127	5
3462MH0002990021202725C00	2725	14051	6.52	-0.2	0.1	29.9	0.5	95	6
3462MH0002990021202726C00	2726	14087	6.31	-0.1	0.1	29.1	0.5	63	7
3462MH0002990021202727C00	2727	14123	6.10	-0.1	0.1	28.4	0.5	31	8

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Sol 3462 - MAHLI Onboard Focus Merge Product Information

target Gran_Sabana - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3462MH0002990011202729C00			
best focus image:	3462MH0002270001202776R00		2776	motor count:	14029	range (cm):	6.7	
range map product:	3462MH0002270001202777S00		2777	acquired sequence:	mhli00299	stack type:	Relative	
acquired on date:	3-May-22			merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	36		acquired on sol:	3462	focus merged on sol:	3462		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3462MH0002990021202730C00	2730	13885	7.66	-0.2	0.2	33.9	0.7	255	1
3462MH0002990021202731C00	2731	13921	7.39	-0.2	0.2	32.9	0.6	223	2
3462MH0002990021202732C00	2732	13957	7.14	-0.2	0.2	32.0	0.6	191	3
3462MH0002990021202733C00	2733	13993	6.89	-0.2	0.2	31.2	0.6	159	4
3462MH0002990021202734C00	2734	14029	6.66	-0.2	0.2	30.3	0.6	127	5
3462MH0002990021202735C00	2735	14065	6.44	-0.2	0.1	29.6	0.5	95	6
3462MH0002990021202736C00	2736	14101	6.22	-0.1	0.1	28.8	0.5	63	7
3462MH0002990021202737C00	2737	14137	6.02	-0.1	0.1	28.1	0.5	31	8

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Sol 3462 - MAHLI Onboard Focus Merge Product Information



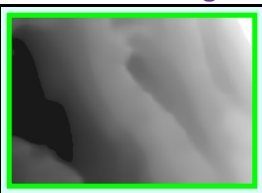

target Gran_Sabana - ~2 cm standoff

		CDPID	corresponding frame:	3462MH0003110011202739C00			
best focus image:	3462MH0002270001202774R00	2774	motor count:	14733	range (cm):	3.7	
range map product:	3462MH0002270001202775S00	2775	acquired sequence:	mhli00311	stack type:	Relative	
acquired on date:	3-May-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	66	acquired on sol:	3462	focus merged on sol:	3462		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3462MH0003110021202740C00	2740	14469	4.53	-0.1	0.1	22.9	0.3	255	1
3462MH0003110021202741C00	2741	14535	4.30	-0.1	0.1	22.0	0.3	223	2
3462MH0003110021202742C00	2742	14601	4.08	-0.1	0.1	21.3	0.3	191	3
3462MH0003110021202743C00	2743	14667	3.88	-0.1	0.1	20.6	0.3	159	4
3462MH0003110021202744C00	2744	14733	3.69	-0.1	0.1	19.9	0.3	127	5
3462MH0003110021202745C00	2745	14799	3.51	-0.1	0.1	19.3	0.3	95	6
3462MH0003110021202746C00	2746	14865	3.35	-0.1	0.1	18.7	0.2	63	7
3462MH0003110021202747C00	2747	14931	3.19	-0.1	0.1	18.1	0.2	31	8

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Sol 3462 - MAHLI Onboard Focus Merge Product Information

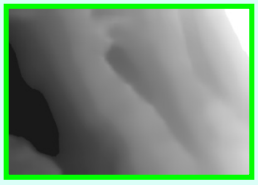
target Berbice - stereo-1 - ~55 mm standoff

		CDPID	corresponding frame:	3462MH0003630011202751C00			
best focus image:	3462MH0002270001202772R00	2772	motor count:	13938	range (cm):	7.3	
range map product:	3462MH0002270001202773S00	2773	acquired sequence:	mhli00363	stack type:	Relative	
acquired on date:	3-May-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	72	acquired on sol:	3462	focus merged on sol:	3462		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3462MH0003630021202752C00	2752	13650	9.88	-0.3	0.3	41.7	1.0	255	1
3462MH0003630021202753C00	2753	13722	9.10	-0.3	0.2	38.9	0.9	223	2
3462MH0003630021202754C00	2754	13794	8.42	-0.2	0.2	36.5	0.8	191	3
3462MH0003630021202755C00	2755	13866	7.81	-0.2	0.2	34.4	0.7	159	4
3462MH0003630021202756C00	2756	13938	7.27	-0.2	0.2	32.5	0.6	127	5
3462MH0003630021202757C00	2757	14010	6.78	-0.2	0.2	30.8	0.6	95	6
3462MH0003630021202758C00	2758	14082	6.33	-0.2	0.1	29.2	0.5	63	7
3462MH0003630021202759C00	2759	14154	5.93	-0.1	0.1	27.8	0.5	31	8

updated: 13_December_2022

Sol 3462 - MAHLI Onboard Focus Merge Product Information

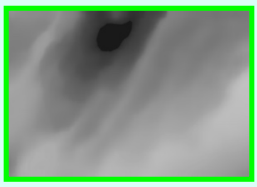
target Berbice - stereo-2 - ~55 mm standoff

		CDPID	corresponding frame:	3462MH0003630011202761C00			
best focus image:	3462MH0002270001202770R00	2770	motor count:	13927	range (cm):	7.3	
range map product:	3462MH0002270001202771S00	2771	acquired sequence:	mhli00363	stack type:	Relative	
acquired on date:	3-May-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	72	acquired on sol:	3462	focus merged on sol:	3462		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3462MH0003630021202762C00	2762	13639	10.00	-0.3	0.3	42.1	1.0	255	1
3462MH0003630021202763C00	2763	13711	9.22	-0.3	0.3	39.3	0.9	223	2
3462MH0003630021202764C00	2764	13783	8.52	-0.2	0.2	36.9	0.8	191	3
3462MH0003630021202765C00	2765	13855	7.90	-0.2	0.2	34.7	0.7	159	4
3462MH0003630021202766C00	2766	13927	7.35	-0.2	0.2	32.8	0.6	127	5
3462MH0003630021202767C00	2767	13999	6.85	-0.2	0.2	31.0	0.6	95	6
3462MH0003630021202768C00	2768	14071	6.40	-0.2	0.1	29.4	0.5	63	7
3462MH0003630021202769C00	2769	14143	5.99	-0.1	0.1	28.0	0.5	31	8

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Sol 3465 - MAHLI Onboard Focus Merge Product Information

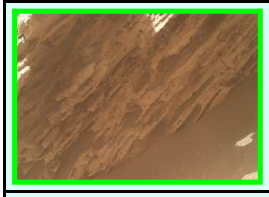
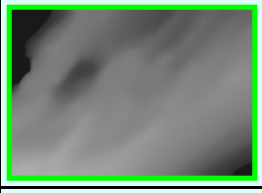
target Firina - mosaic position 1 of 2 - ~20 cm standoff

		CDPID	corresponding frame:	3465MH0008460011202781C00				
best focus image:	3465MH0001930001202816R00	2816	motor count:	13103	range (cm):	22.1		
range map product:	3465MH0001930001202817S00	2817	acquired sequence:	mhli00846	stack type:	Relative		
acquired on date:	6-May-22		merge sequence:	mhli00193	merge type:	Basic		
motor count interval:	54	acquired on sol:	3465	focus merged on sol:	3465			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3465MH0008460021202782C00	2782	12887	37.38	-3.4	4.2	138.5	13.3	255	1
3465MH0008460021202783C00	2783	12941	32.02	-2.5	3.0	119.6	9.7	223	2
3465MH0008460021202784C00	2784	12995	27.92	-2.0	2.2	105.2	7.4	191	3
3465MH0008460021202785C00	2785	13049	24.70	-1.6	1.7	93.8	5.8	159	4
3465MH0008460021202786C00	2786	13103	22.09	-1.3	1.4	84.6	4.6	127	5
3465MH0008460021202787C00	2787	13157	19.93	-1.0	1.1	77.0	3.8	95	6
3465MH0008460021202788C00	2788	13211	18.11	-0.9	0.9	70.7	3.1	63	7
3465MH0008460021202789C00	2789	13265	16.57	-0.7	0.8	65.2	2.6	31	8

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Sol 3465 - MAHLI Onboard Focus Merge Product Information

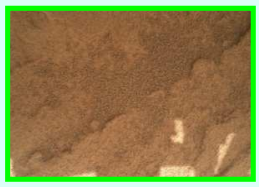
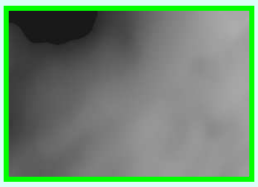
target Firina - mosaic position 2 of 2 - ~24 cm standoff

		CDPID	corresponding frame:	3465MH0008460011202791C00				
best focus image:	3465MH0001930001202814R00	2814	motor count:	13031	range (cm):	25.7		
range map product:	3465MH0001930001202815S00	2815	acquired sequence:	mhli00846	stack type:	Relative		
acquired on date:	6-May-22		merge sequence:	mhli00193	merge type:	Basic		
motor count interval:	54	acquired on sol:	3465	focus merged on sol:	3465			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3465MH0008460021202792C00	2792	12815	47.79	-5.4	7.1	175.1	22.0	255	1
3465MH0008460021202793C00	2793	12869	39.55	-3.8	4.7	146.1	14.9	223	2
3465MH0008460021202794C00	2794	12923	33.64	-2.8	3.3	125.3	10.7	191	3
3465MH0008460021202795C00	2795	12977	29.18	-2.1	2.4	109.6	8.0	159	4
3465MH0008460021202796C00	2796	13031	25.70	-1.7	1.9	97.3	6.2	127	5
3465MH0008460021202797C00	2797	13085	22.90	-1.3	1.5	87.5	5.0	95	6
3465MH0008460021202798C00	2798	13139	20.60	-1.1	1.2	79.4	4.0	63	7
3465MH0008460021202799C00	2799	13193	18.69	-0.9	1.0	72.7	3.3	31	8

updated: 13_December_2022

Sol 3465 - MAHLI Onboard Focus Merge Product Information

target Bartica - ~4 cm standoff

			CDPID	corresponding frame:	3465MH0002240011202803C00			
best focus image:	3465MH0001930001202812R00		2812	motor count:	14178	range (cm):	5.8	
range map product:	3465MH0001930001202813S00		2813	acquired sequence:	mhli00224	stack type:	Relative	
acquired on date:	6-May-22			merge sequence:	mhli00193	merge type:	Basic	
motor count interval:	42	acquired on sol:	3465	focus merged on sol:	3465			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3465MH0002240021202804C00	2804	14010	6.78	-0.2	0.2	30.8	0.6	255	1
3465MH0002240021202805C00	2805	14052	6.51	-0.2	0.1	29.8	0.5	223	2
3465MH0002240021202806C00	2806	14094	6.27	-0.1	0.1	29.0	0.5	191	3
3465MH0002240021202807C00	2807	14136	6.03	-0.1	0.1	28.1	0.5	159	4
3465MH0002240021202808C00	2808	14178	5.81	-0.1	0.1	27.3	0.4	127	5
3465MH0002240021202809C00	2809	14220	5.59	-0.1	0.1	26.6	0.4	95	6
3465MH0002240021202810C00	2810	14262	5.39	-0.1	0.1	25.9	0.4	63	7
3465MH0002240021202811C00	2811	14304	5.20	-0.1	0.1	25.2	0.4	31	8

updated: 13_December_2022

Sol 3466 - MAHLI Onboard Focus Merge Product Information




target Bonfim - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3466MH0001730011202821C00			
best focus image:	3466MH0001630001202900R00		2900	motor count:	14029	range (cm):	6.7	
range map product:	3466MH0001630001202901S00		2901	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	7-May-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	30	acquired on sol:	3466	focus merged on sol:	3466			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3466MH0001730021202822C00	2822	13909	7.48	-0.2	0.2	33.2	0.7	255	1
3466MH0001730021202823C00	2823	13939	7.26	-0.2	0.2	32.5	0.6	223	2
3466MH0001730021202824C00	2824	13969	7.05	-0.2	0.2	31.7	0.6	191	3
3466MH0001730021202825C00	2825	13999	6.85	-0.2	0.2	31.0	0.6	159	4
3466MH0001730021202826C00	2826	14029	6.66	-0.2	0.2	30.3	0.6	127	5
3466MH0001730021202827C00	2827	14059	6.47	-0.2	0.1	29.7	0.5	95	6
3466MH0001730021202828C00	2828	14089	6.29	-0.1	0.1	29.1	0.5	63	7
3466MH0001730021202829C00	2829	14119	6.12	-0.1	0.1	28.5	0.5	31	8

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Sol 3466 - MAHLI Onboard Focus Merge Product Information




target Bonfim - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3466MH0001730011202831C00			
best focus image:	3466MH0001630001202898R00		2898	motor count:	14031	range (cm):	6.6	
range map product:	3466MH0001630001202899S00		2899	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	7-May-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	30	acquired on sol:	3466	focus merged on sol:	3466			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3466MH0001730021202832C00	2832	13911	7.47	-0.2	0.2	33.2	0.7	255	1
3466MH0001730021202833C00	2833	13941	7.25	-0.2	0.2	32.4	0.6	223	2
3466MH0001730021202834C00	2834	13971	7.04	-0.2	0.2	31.7	0.6	191	3
3466MH0001730021202835C00	2835	14001	6.84	-0.2	0.2	31.0	0.6	159	4
3466MH0001730021202836C00	2836	14031	6.64	-0.2	0.2	30.3	0.6	127	5
3466MH0001730021202837C00	2837	14061	6.46	-0.2	0.1	29.6	0.5	95	6
3466MH0001730021202838C00	2838	14091	6.28	-0.1	0.1	29.0	0.5	63	7
3466MH0001730021202839C00	2839	14121	6.11	-0.1	0.1	28.4	0.5	31	8

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Sol 3466 - MAHLI Onboard Focus Merge Product Information



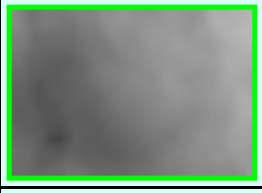

target Bonfim - ~2 cm standoff

		CDPID	corresponding frame:	3466MH0001760011202841C00			
best focus image:	3466MH0001630001202896R00	2896	motor count:	14739	range (cm):	3.7	
range map product:	3466MH0001630001202897S00	2897	acquired sequence:	mhli00176	stack type:	Relative	
acquired on date:	7-May-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	48	acquired on sol:	3466	focus merged on sol:	3466		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3466MH0001760021202842C00	2842	14547	4.26	-0.1	0.1	21.9	0.3	255	1
3466MH0001760021202843C00	2843	14595	4.10	-0.1	0.1	21.3	0.3	223	2
3466MH0001760021202844C00	2844	14643	3.95	-0.1	0.1	20.8	0.3	191	3
3466MH0001760021202845C00	2845	14691	3.81	-0.1	0.1	20.3	0.3	159	4
3466MH0001760021202846C00	2846	14739	3.67	-0.1	0.1	19.8	0.3	127	5
3466MH0001760021202847C00	2847	14787	3.54	-0.1	0.1	19.4	0.3	95	6
3466MH0001760021202848C00	2848	14835	3.42	-0.1	0.1	18.9	0.2	63	7
3466MH0001760021202849C00	2849	14883	3.30	-0.1	0.1	18.5	0.2	31	8

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Sol 3466 - MAHLI Onboard Focus Merge Product Information

target Oshi - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3466MH0001820011202861C00			
best focus image:	3466MH0001630001202894R00	2894	motor count:	13993	range (cm):	6.9	
range map product:	3466MH0001630001202895S00	2895	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	7-May-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3466	focus merged on sol:	3466		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3466MH0001820021202862C00	2862	13897	7.57	-0.2	0.2	33.6	0.7	255	1
3466MH0001820021202863C00	2863	13921	7.39	-0.2	0.2	32.9	0.6	223	2
3466MH0001820021202864C00	2864	13945	7.22	-0.2	0.2	32.3	0.6	191	3
3466MH0001820021202865C00	2865	13969	7.05	-0.2	0.2	31.7	0.6	159	4
3466MH0001820021202866C00	2866	13993	6.89	-0.2	0.2	31.2	0.6	127	5
3466MH0001820021202867C00	2867	14017	6.73	-0.2	0.2	30.6	0.6	95	6
3466MH0001820021202868C00	2868	14041	6.58	-0.2	0.2	30.1	0.5	63	7
3466MH0001820021202869C00	2869	14065	6.44	-0.2	0.1	29.6	0.5	31	8

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Sol 3466 - MAHLI Onboard Focus Merge Product Information



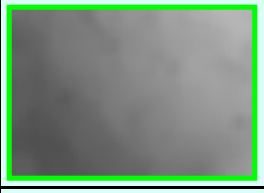

target Oshi - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3466MH0001820011202871C00			
best focus image:	3466MH0001630001202892R00	2892	motor count:	13991	range (cm):	6.9	
range map product:	3466MH0001630001202893S00	2893	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	7-May-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3466	focus merged on sol:	3466		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3466MH0001820021202872C00	2872	13895	7.59	-0.2	0.2	33.6	0.7	255	1
3466MH0001820021202873C00	2873	13919	7.41	-0.2	0.2	33.0	0.6	223	2
3466MH0001820021202874C00	2874	13943	7.23	-0.2	0.2	32.4	0.6	191	3
3466MH0001820021202875C00	2875	13967	7.07	-0.2	0.2	31.8	0.6	159	4
3466MH0001820021202876C00	2876	13991	6.90	-0.2	0.2	31.2	0.6	127	5
3466MH0001820021202877C00	2877	14015	6.75	-0.2	0.2	30.6	0.6	95	6
3466MH0001820021202878C00	2878	14039	6.59	-0.2	0.2	30.1	0.5	63	7
3466MH0001820021202879C00	2879	14063	6.45	-0.2	0.1	29.6	0.5	31	8

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Sol 3466 - MAHLI Onboard Focus Merge Product Information

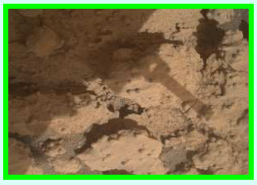
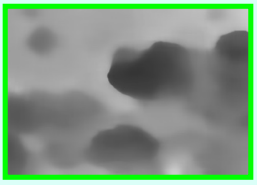
target Oshi - ~1 cm standoff

		CDPID	corresponding frame:	3466MH0004260011202881C00			
best focus image:	3466MH0001630001202890R00	2890	motor count:	15070	range (cm):	2.9	
range map product:	3466MH0001630001202891S00	2891	acquired sequence:	mhli00426	stack type:	Relative	
acquired on date:	7-May-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	48	acquired on sol:	3466	focus merged on sol:	3466		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3466MH0004260021202882C00	2882	14878	3.32	-0.1	0.1	18.6	0.2	255	1
3466MH0004260021202883C00	2883	14926	3.20	-0.1	0.1	18.2	0.2	223	2
3466MH0004260021202884C00	2884	14974	3.10	-0.1	0.1	17.8	0.2	191	3
3466MH0004260021202885C00	2885	15022	2.99	-0.1	0.1	17.4	0.2	159	4
3466MH0004260021202886C00	2886	15070	2.89	-0.1	0.1	17.1	0.2	127	5
3466MH0004260021202887C00	2887	15118	2.80	-0.1	0.1	16.8	0.2	95	6
3466MH0004260021202888C00	2888	15166	2.71	-0.1	0.1	16.4	0.2	63	7
3466MH0004260021202889C00	2889	15214	2.62	-0.1	0.1	16.1	0.2	31	8

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Sol 3469 - MAHLI Onboard Focus Merge Product Information

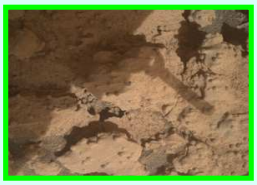
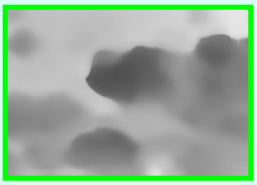
target El_Oso - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3469MH0002240011202905C00				
best focus image:	3469MH0001530001202952R00	2952	motor count:	14041	range (cm):	6.6		
range map product:	3469MH0001530001202953S00	2953	acquired sequence:	mhli00224	stack type:	Relative		
acquired on date:	10-May-22		merge sequence:	mhli00153	merge type:	Basic		
motor count interval:	42	acquired on sol:	3469	focus merged on sol:	3469			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3469MH0002240021202906C00	2906	13873	7.76	-0.2	0.2	34.2	0.7	255	1
3469MH0002240021202907C00	2907	13915	7.44	-0.2	0.2	33.1	0.6	223	2
3469MH0002240021202908C00	2908	13957	7.14	-0.2	0.2	32.0	0.6	191	3
3469MH0002240021202909C00	2909	13999	6.85	-0.2	0.2	31.0	0.6	159	4
3469MH0002240021202910C00	2910	14041	6.58	-0.2	0.2	30.1	0.5	127	5
3469MH0002240021202911C00	2911	14083	6.33	-0.2	0.1	29.2	0.5	95	6
3469MH0002240021202912C00	2912	14125	6.09	-0.1	0.1	28.3	0.5	63	7
3469MH0002240021202913C00	2913	14167	5.86	-0.1	0.1	27.5	0.4	31	8

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Sol 3469 - MAHLI Onboard Focus Merge Product Information

target El_Oso - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3469MH0002240011202915C00				
best focus image:	3469MH0001530001202950R00	2950	motor count:	14077	range (cm):	6.4		
range map product:	3469MH0001530001202951S00	2951	acquired sequence:	mhli00224	stack type:	Relative		
acquired on date:	10-May-22		merge sequence:	mhli00153	merge type:	Basic		
motor count interval:	42	acquired on sol:	3469	focus merged on sol:	3469			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3469MH0002240021202916C00	2916	13909	7.48	-0.2	0.2	33.2	0.7	255	1
3469MH0002240021202917C00	2917	13951	7.18	-0.2	0.2	32.2	0.6	223	2
3469MH0002240021202918C00	2918	13993	6.89	-0.2	0.2	31.2	0.6	191	3
3469MH0002240021202919C00	2919	14035	6.62	-0.2	0.2	30.2	0.6	159	4
3469MH0002240021202920C00	2920	14077	6.36	-0.2	0.1	29.3	0.5	127	5
3469MH0002240021202921C00	2921	14119	6.12	-0.1	0.1	28.5	0.5	95	6
3469MH0002240021202922C00	2922	14161	5.89	-0.1	0.1	27.6	0.4	63	7
3469MH0002240021202923C00	2923	14203	5.68	-0.1	0.1	26.9	0.4	31	8

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Sol 3469 - MAHLI Onboard Focus Merge Product Information



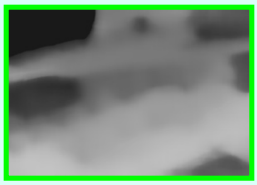

target Parima - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3469MH0001730011202927C00				
best focus image:	3469MH0001530001202948R00	2948	motor count:	14035	range (cm):	6.6		
range map product:	3469MH0001530001202949S00	2949	acquired sequence:	mhli00173	stack type:	Relative		
acquired on date:	10-May-22		merge sequence:	mhli00153	merge type:	Basic		
motor count interval:	30	acquired on sol:	3469	focus merged on sol:	3469			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3469MH0001730021202928C00	2928	13915	7.44	-0.2	0.2	33.1	0.6	255	1
3469MH0001730021202929C00	2929	13945	7.22	-0.2	0.2	32.3	0.6	223	2
3469MH0001730021202930C00	2930	13975	7.01	-0.2	0.2	31.6	0.6	191	3
3469MH0001730021202931C00	2931	14005	6.81	-0.2	0.2	30.9	0.6	159	4
3469MH0001730021202932C00	2932	14035	6.62	-0.2	0.2	30.2	0.6	127	5
3469MH0001730021202933C00	2933	14065	6.44	-0.2	0.1	29.6	0.5	95	6
3469MH0001730021202934C00	2934	14095	6.26	-0.1	0.1	28.9	0.5	63	7
3469MH0001730021202935C00	2935	14125	6.09	-0.1	0.1	28.3	0.5	31	8

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Sol 3469 - MAHLI Onboard Focus Merge Product Information

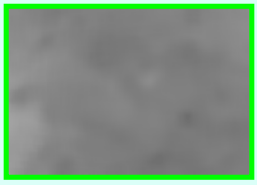
target Parima - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3469MH0001730011202937C00				
best focus image:	3469MH0001530001202946R00	2946	motor count:	14034	range (cm):	6.6		
range map product:	3469MH0001530001202947S00	2947	acquired sequence:	mhli00173	stack type:	Relative		
acquired on date:	10-May-22		merge sequence:	mhli00153	merge type:	Basic		
motor count interval:	30	acquired on sol:	3469	focus merged on sol:	3469			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3469MH0001730021202938C00	2938	13914	7.44	-0.2	0.2	33.1	0.7	255	1
3469MH0001730021202939C00	2939	13944	7.23	-0.2	0.2	32.3	0.6	223	2
3469MH0001730021202940C00	2940	13974	7.02	-0.2	0.2	31.6	0.6	191	3
3469MH0001730021202941C00	2941	14004	6.82	-0.2	0.2	30.9	0.6	159	4
3469MH0001730021202942C00	2942	14034	6.63	-0.2	0.2	30.2	0.6	127	5
3469MH0001730021202943C00	2943	14064	6.44	-0.2	0.1	29.6	0.5	95	6
3469MH0001730021202944C00	2944	14094	6.27	-0.1	0.1	29.0	0.5	63	7
3469MH0001730021202945C00	2945	14124	6.10	-0.1	0.1	28.4	0.5	31	8

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Sol 3471 - MAHLI Onboard Focus Merge Product Information

target Pastora - after DRT - stereo-1 - relief model position 1 - ~5 cm standoff

		CDPID	corresponding frame:	3471MH0001730011202957C00			
best focus image:	3472MH0002270001203022R00	3022	motor count:	13991	range (cm):	6.9	
range map product:	3472MH0002270001203023S00	3023	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	12-May-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	30	acquired on sol:	3471	focus merged on sol:	3472		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3471MH0001730021202958C00	2958	13871	7.77	-0.2	0.2	34.3	0.7	255	1
3471MH0001730021202959C00	2959	13901	7.54	-0.2	0.2	33.4	0.7	223	2
3471MH0001730021202960C00	2960	13931	7.32	-0.2	0.2	32.7	0.6	191	3
3471MH0001730021202961C00	2961	13961	7.11	-0.2	0.2	31.9	0.6	159	4
3471MH0001730021202962C00	2962	13991	6.90	-0.2	0.2	31.2	0.6	127	5
3471MH0001730021202963C00	2963	14021	6.71	-0.2	0.2	30.5	0.6	95	6
3471MH0001730021202964C00	2964	14051	6.52	-0.2	0.1	29.9	0.5	63	7
3471MH0001730021202965C00	2965	14081	6.34	-0.2	0.1	29.2	0.5	31	8

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Sol 3471 - MAHLI Onboard Focus Merge Product Information




target Pastora - after DRT - stereo-2 - relief model position 2 - ~5 cm standoff

		CDPID	corresponding frame:	3471MH0001730011202967C00			
best focus image:	3472MH0002270001203020R00	3020	motor count:	13994	range (cm):	6.9	
range map product:	3472MH0002270001203021S00	3021	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	12-May-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	30	acquired on sol:	3471	focus merged on sol:	3472		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3471MH0001730021202968C00	2968	13874	7.75	-0.2	0.2	34.2	0.7	255	1
3471MH0001730021202969C00	2969	13904	7.52	-0.2	0.2	33.4	0.7	223	2
3471MH0001730021202970C00	2970	13934	7.30	-0.2	0.2	32.6	0.6	191	3
3471MH0001730021202971C00	2971	13964	7.09	-0.2	0.2	31.8	0.6	159	4
3471MH0001730021202972C00	2972	13994	6.88	-0.2	0.2	31.1	0.6	127	5
3471MH0001730021202973C00	2973	14024	6.69	-0.2	0.2	30.4	0.6	95	6
3471MH0001730021202974C00	2974	14054	6.50	-0.2	0.1	29.8	0.5	63	7
3471MH0001730021202975C00	2975	14084	6.32	-0.1	0.1	29.2	0.5	31	8

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Sol 3471 - MAHLI Onboard Focus Merge Product Information



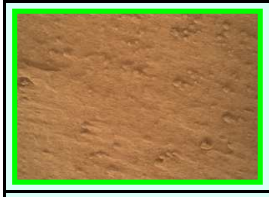

target Pastora - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3471MH0001740011202983C00				
best focus image:	3472MH0002270001203018R00	3018	motor count:	14651	range (cm):	3.9		
range map product:	3472MH0002270001203019S00	3019	acquired sequence:	mhli00174	stack type:	Relative		
acquired on date:	12-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	60	acquired on sol:	3471	focus merged on sol:	3472			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3471MH0001740021202984C00	2984	14411	4.75	-0.1	0.1	23.6	0.3	255	1
3471MH0001740021202985C00	2985	14471	4.53	-0.1	0.1	22.8	0.3	223	2
3471MH0001740021202986C00	2986	14531	4.31	-0.1	0.1	22.1	0.3	191	3
3471MH0001740021202987C00	2987	14591	4.12	-0.1	0.1	21.4	0.3	159	4
3471MH0001740021202988C00	2988	14651	3.93	-0.1	0.1	20.7	0.3	127	5
3471MH0001740021202989C00	2989	14711	3.75	-0.1	0.1	20.1	0.3	95	6
3471MH0001740021202990C00	2990	14771	3.59	-0.1	0.1	19.5	0.3	63	7
3471MH0001740021202991C00	2991	14831	3.43	-0.1	0.1	19.0	0.2	31	8

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target Tama_Tama - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3471MH0001680011202995C00				
best focus image:	3472MH0002270001203016R00	3016	motor count:	14030	range (cm):	6.7		
range map product:	3472MH0002270001203017S00	3017	acquired sequence:	mhli00168	stack type:	Relative		
acquired on date:	12-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	18	acquired on sol:	3471	focus merged on sol:	3472			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3471MH0001680021202996C00	2996	13958	7.13	-0.2	0.2	32.0	0.6	255	1
3471MH0001680021202997C00	2997	13976	7.00	-0.2	0.2	31.6	0.6	223	2
3471MH0001680021202998C00	2998	13994	6.88	-0.2	0.2	31.1	0.6	191	3
3471MH0001680021202999C00	2999	14012	6.77	-0.2	0.2	30.7	0.6	159	4
3471MH0001680021203000C00	3000	14030	6.65	-0.2	0.2	30.3	0.6	127	5
3471MH0001680021203001C00	3001	14048	6.54	-0.2	0.1	29.9	0.5	95	6
3471MH0001680021203002C00	3002	14066	6.43	-0.2	0.1	29.5	0.5	63	7
3471MH0001680021203003C00	3003	14084	6.32	-0.1	0.1	29.2	0.5	31	8

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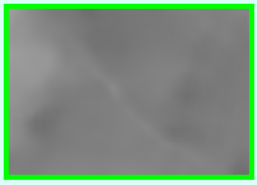

target Tama_Tama - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3471MH0001680011203005C00			
best focus image:	3472MH0002270001203014R00		3014	motor count:	14016	range (cm):	6.7	
range map product:	3472MH0002270001203015S00		3015	acquired sequence:	mhli00168	stack type:	Relative	
acquired on date:	12-May-22			merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	18	acquired on sol:	3471	focus merged on sol:	3472			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3471MH0001680021203006C00	3006	13944	7.23	-0.2	0.2	32.3	0.6	255	1
3471MH0001680021203007C00	3007	13962	7.10	-0.2	0.2	31.9	0.6	223	2
3471MH0001680021203008C00	3008	13980	6.98	-0.2	0.2	31.5	0.6	191	3
3471MH0001680021203009C00	3009	13998	6.86	-0.2	0.2	31.0	0.6	159	4
3471MH0001680021203010C00	3010	14016	6.74	-0.2	0.2	30.6	0.6	127	5
3471MH0001680021203011C00	3011	14034	6.63	-0.2	0.2	30.2	0.6	95	6
3471MH0001680021203012C00	3012	14052	6.51	-0.2	0.1	29.8	0.5	63	7
3471MH0001680021203013C00	3013	14070	6.41	-0.2	0.1	29.4	0.5	31	8

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Sol 3473 - MAHLI Onboard Focus Merge Product Information

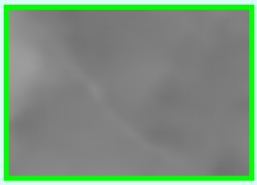
target San_Pedro - after DRT - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3473MH0002990011203027C00				
best focus image:	3474MH0002270001203086R00	3086	motor count:	14013	range (cm):	6.8		
range map product:	3474MH0002270001203087S00	3087	acquired sequence:	mhli00299	stack type:	Relative		
acquired on date:	14-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	36	acquired on sol:	3473	focus merged on sol:	3474			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3473MH0002990021203028C00	3028	13869	7.79	-0.2	0.2	34.3	0.7	255	1
3473MH0002990021203029C00	3029	13905	7.51	-0.2	0.2	33.3	0.7	223	2
3473MH0002990021203030C00	3030	13941	7.25	-0.2	0.2	32.4	0.6	191	3
3473MH0002990021203031C00	3031	13977	7.00	-0.2	0.2	31.5	0.6	159	4
3473MH0002990021203032C00	3032	14013	6.76	-0.2	0.2	30.7	0.6	127	5
3473MH0002990021203033C00	3033	14049	6.53	-0.2	0.1	29.9	0.5	95	6
3473MH0002990021203034C00	3034	14085	6.32	-0.1	0.1	29.1	0.5	63	7
3473MH0002990021203035C00	3035	14121	6.11	-0.1	0.1	28.4	0.5	31	8

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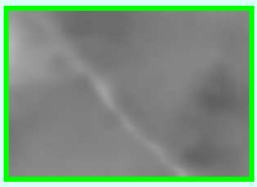
target San_Pedro - after DRT - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3473MH0002990011203037C00				
best focus image:	3474MH0002270001203084R00	3084	motor count:	14015	range (cm):	6.7		
range map product:	3474MH0002270001203085S00	3085	acquired sequence:	mhli00299	stack type:	Relative		
acquired on date:	14-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	36	acquired on sol:	3473	focus merged on sol:	3474			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3473MH0002990021203038C00	3038	13871	7.77	-0.2	0.2	34.3	0.7	255	1
3473MH0002990021203039C00	3039	13907	7.50	-0.2	0.2	33.3	0.7	223	2
3473MH0002990021203040C00	3040	13943	7.23	-0.2	0.2	32.4	0.6	191	3
3473MH0002990021203041C00	3041	13979	6.98	-0.2	0.2	31.5	0.6	159	4
3473MH0002990021203042C00	3042	14015	6.75	-0.2	0.2	30.6	0.6	127	5
3473MH0002990021203043C00	3043	14051	6.52	-0.2	0.1	29.9	0.5	95	6
3473MH0002990021203044C00	3044	14087	6.31	-0.1	0.1	29.1	0.5	63	7
3473MH0002990021203045C00	3045	14123	6.10	-0.1	0.1	28.4	0.5	31	8

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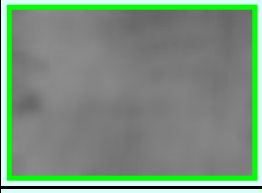
target San_Pedro - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3473MH0003370011203047C00				
best focus image:	3474MH0002270001203082R00	3082	motor count:	14715	range (cm):	3.7		
range map product:	3474MH0002270001203083S00	3083	acquired sequence:	mhli00337	stack type:	Relative		
acquired on date:	14-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	42	acquired on sol:	3473	focus merged on sol:	3474			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3473MH0003370021203048C00	3048	14547	4.26	-0.1	0.1	21.9	0.3	255	1
3473MH0003370021203049C00	3049	14589	4.12	-0.1	0.1	21.4	0.3	223	2
3473MH0003370021203050C00	3050	14631	3.99	-0.1	0.1	20.9	0.3	191	3
3473MH0003370021203051C00	3051	14673	3.86	-0.1	0.1	20.5	0.3	159	4
3473MH0003370021203052C00	3052	14715	3.74	-0.1	0.1	20.1	0.3	127	5
3473MH0003370021203053C00	3053	14757	3.62	-0.1	0.1	19.7	0.3	95	6
3473MH0003370021203054C00	3054	14799	3.51	-0.1	0.1	19.3	0.3	63	7
3473MH0003370021203055C00	3055	14841	3.41	-0.1	0.1	18.9	0.2	31	8

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Sol 3473 - MAHLI Onboard Focus Merge Product Information

target Pedra_Pintada - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3473MH0001820011203059C00				
best focus image:	3474MH0002270001203080R00	3080	motor count:	14003	range (cm):	6.8		
range map product:	3474MH0002270001203081S00	3081	acquired sequence:	mhli00182	stack type:	Relative		
acquired on date:	14-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	24	acquired on sol:	3473	focus merged on sol:	3474			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3473MH0001820021203060C00	3060	13907	7.50	-0.2	0.2	33.3	0.7	255	1
3473MH0001820021203061C00	3061	13931	7.32	-0.2	0.2	32.7	0.6	223	2
3473MH0001820021203062C00	3062	13955	7.15	-0.2	0.2	32.1	0.6	191	3
3473MH0001820021203063C00	3063	13979	6.98	-0.2	0.2	31.5	0.6	159	4
3473MH0001820021203064C00	3064	14003	6.82	-0.2	0.2	30.9	0.6	127	5
3473MH0001820021203065C00	3065	14027	6.67	-0.2	0.2	30.4	0.6	95	6
3473MH0001820021203066C00	3066	14051	6.52	-0.2	0.1	29.9	0.5	63	7
3473MH0001820021203067C00	3067	14075	6.38	-0.2	0.1	29.3	0.5	31	8

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target Pedra_Pintada- stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3473MH0001820011203069C00			
best focus image:	3474MH0002270001203078R00		3078	motor count:	14005	range (cm):	6.8	
range map product:	3474MH0002270001203079S00		3079	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	14-May-22			merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	24	acquired on sol:	3473	focus merged on sol:	3474			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3473MH0001820021203070C00	3070	13909	7.48	-0.2	0.2	33.2	0.7	255	1
3473MH0001820021203071C00	3071	13933	7.31	-0.2	0.2	32.6	0.6	223	2
3473MH0001820021203072C00	3072	13957	7.14	-0.2	0.2	32.0	0.6	191	3
3473MH0001820021203073C00	3073	13981	6.97	-0.2	0.2	31.4	0.6	159	4
3473MH0001820021203074C00	3074	14005	6.81	-0.2	0.2	30.9	0.6	127	5
3473MH0001820021203075C00	3075	14029	6.66	-0.2	0.2	30.3	0.6	95	6
3473MH0001820021203076C00	3076	14053	6.51	-0.2	0.1	29.8	0.5	63	7
3473MH0001820021203077C00	3077	14077	6.36	-0.2	0.1	29.3	0.5	31	8

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Sol 3476 - MAHLI Onboard Focus Merge Product Information




target Aratana - stereo-1 - ~14 cm standoff

		CDPID	corresponding frame:	3476MH0008410011203091C00				
best focus image:	3476MH0002650001203112R00	3112	motor count:	13289	range (cm):	16.0		
range map product:	3476MH0002650001203113S00	3113	acquired sequence:	mhli00841	stack type:	Relative		
acquired on date:	17-May-22		merge sequence:	mhli00265	merge type:	Basic		
motor count interval:	18	acquired on sol:	3476	focus merged on sol:	3476			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3476MH0008410021203092C00	3092	13217	17.93	-0.9	0.9	70.0	3.1	255	1
3476MH0008410021203093C00	3093	13235	17.40	-0.8	0.8	68.1	2.9	223	2
3476MH0008410021203094C00	3094	13253	16.89	-0.8	0.8	66.4	2.7	191	3
3476MH0008410021203095C00	3095	13271	16.41	-0.7	0.7	64.7	2.6	159	4
3476MH0008410021203096C00	3096	13289	15.95	-0.7	0.7	63.1	2.4	127	5
3476MH0008410021203097C00	3097	13307	15.52	-0.7	0.7	61.5	2.3	95	6
3476MH0008410021203098C00	3098	13325	15.10	-0.6	0.6	60.0	2.2	63	7
3476MH0008410021203099C00	3099	13343	14.70	-0.6	0.6	58.6	2.1	31	8

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Sol 3476 - MAHLI Onboard Focus Merge Product Information




target Aratana - stereo-2 - ~14 cm standoff

		CDPID	corresponding frame:	3476MH0008410011203101C00				
best focus image:	3476MH0002650001203110R00	3110	motor count:	13290	range (cm):	15.9		
range map product:	3476MH0002650001203111S00	3111	acquired sequence:	mhli00841	stack type:	Relative		
acquired on date:	17-May-22		merge sequence:	mhli00265	merge type:	Basic		
motor count interval:	18	acquired on sol:	3476	focus merged on sol:	3476			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3476MH0008410021203102C00	3102	13218	17.90	-0.8	0.9	69.9	3.0	255	1
3476MH0008410021203103C00	3103	13236	17.37	-0.8	0.8	68.0	2.9	223	2
3476MH0008410021203104C00	3104	13254	16.87	-0.8	0.8	66.3	2.7	191	3
3476MH0008410021203105C00	3105	13272	16.39	-0.7	0.7	64.6	2.6	159	4
3476MH0008410021203106C00	3106	13290	15.93	-0.7	0.7	63.0	2.4	127	5
3476MH0008410021203107C00	3107	13308	15.49	-0.7	0.7	61.4	2.3	95	6
3476MH0008410021203108C00	3108	13326	15.08	-0.6	0.6	60.0	2.2	63	7
3476MH0008410021203109C00	3109	13344	14.68	-0.6	0.6	58.6	2.1	31	8

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Sol 3478 - MAHLI Onboard Focus Merge Product Information




target Las_Claritas - mosaic position 1 of 6 - ~95 mm standoff

		CDPID	corresponding frame:	3478MH0002910011203115C00				
best focus image:	3478MH0005360001203222R00	3222	motor count:	13531	range (cm):	11.4		
range map product:	3478MH0005360001203223S00	3223	acquired sequence:	mhli00291	stack type:	Relative		
acquired on date:	19-May-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	36	acquired on sol:	3478	focus merged on sol:	3478			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3478MH0002910021203116C00	3116	13387	13.80	-0.5	0.5	55.5	1.9	255	1
3478MH0002910021203117C00	3117	13423	13.12	-0.5	0.5	53.1	1.7	223	2
3478MH0002910021203118C00	3118	13459	12.50	-0.4	0.4	50.9	1.5	191	3
3478MH0002910021203119C00	3119	13495	11.93	-0.4	0.4	48.9	1.4	159	4
3478MH0002910021203120C00	3120	13531	11.39	-0.4	0.4	47.0	1.3	127	5
3478MH0002910021203121C00	3121	13567	10.90	-0.4	0.3	45.3	1.2	95	6
3478MH0002910021203122C00	3122	13603	10.43	-0.3	0.3	43.6	1.1	63	7
3478MH0002910021203123C00	3123	13639	10.00	-0.3	0.3	42.1	1.0	31	8

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Sol 3478 - MAHLI Onboard Focus Merge Product Information




target Las_Claritas - mosaic position 2 of 6 - ~85 mm standoff

		CDPID	corresponding frame:	3478MH0002910011203125C00				
best focus image:	3478MH0005360001203220R00	3220	motor count:	13605	range (cm):	10.4		
range map product:	3478MH0005360001203221S00	3221	acquired sequence:	mhli00291	stack type:	Relative		
acquired on date:	19-May-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	36	acquired on sol:	3478	focus merged on sol:	3478			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3478MH0002910021203126C00	3126	13461	12.47	-0.4	0.4	50.8	1.5	255	1
3478MH0002910021203127C00	3127	13497	11.90	-0.4	0.4	48.8	1.4	223	2
3478MH0002910021203128C00	3128	13533	11.36	-0.4	0.4	46.9	1.3	191	3
3478MH0002910021203129C00	3129	13569	10.87	-0.3	0.3	45.2	1.2	159	4
3478MH0002910021203130C00	3130	13605	10.41	-0.3	0.3	43.5	1.1	127	5
3478MH0002910021203131C00	3131	13641	9.98	-0.3	0.3	42.0	1.0	95	6
3478MH0002910021203132C00	3132	13677	9.57	-0.3	0.3	40.6	1.0	63	7
3478MH0002910021203133C00	3133	13713	9.20	-0.3	0.3	39.3	0.9	31	8

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Sol 3478 - MAHLI Onboard Focus Merge Product Information




target Las_Claritas - mosaic position 3 of 6 - ~85 mm standoff

			CDPID	corresponding frame:	3478MH0002910011203135C00			
best focus image:	3478MH0005360001203218R00		3218	motor count:	13597	range (cm):	10.5	
range map product:	3478MH0005360001203219S00		3219	acquired sequence:	mhli00291	stack type:	Relative	
acquired on date:	19-May-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	36		acquired on sol:	3478	focus merged on sol:	3478		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3478MH0002910021203136C00	3136	13453	12.60	-0.5	0.4	51.3	1.6	255	1
3478MH0002910021203137C00	3137	13489	12.02	-0.4	0.4	49.2	1.4	223	2
3478MH0002910021203138C00	3138	13525	11.48	-0.4	0.4	47.3	1.3	191	3
3478MH0002910021203139C00	3139	13561	10.98	-0.4	0.3	45.5	1.2	159	4
3478MH0002910021203140C00	3140	13597	10.51	-0.3	0.3	43.9	1.1	127	5
3478MH0002910021203141C00	3141	13633	10.07	-0.3	0.3	42.4	1.0	95	6
3478MH0002910021203142C00	3142	13669	9.66	-0.3	0.3	40.9	1.0	63	7
3478MH0002910021203143C00	3143	13705	9.28	-0.3	0.3	39.6	0.9	31	8

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Sol 3478 - MAHLI Onboard Focus Merge Product Information




target Las_Claritas - mosaic position 4 of 6 - ~95 mm standoff

			CDPID	corresponding frame:	3478MH0002910011203145C00			
best focus image:	3478MH0005360001203216R00		3216	motor count:	13529	range (cm):	11.4	
range map product:	3478MH0005360001203217S00		3217	acquired sequence:	mhli00291	stack type:	Relative	
acquired on date:	19-May-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	36		acquired on sol:	3478	focus merged on sol:	3478		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3478MH0002910021203146C00	3146	13385	13.83	-0.5	0.5	55.6	1.9	255	1
3478MH0002910021203147C00	3147	13421	13.16	-0.5	0.5	53.2	1.7	223	2
3478MH0002910021203148C00	3148	13457	12.53	-0.4	0.4	51.0	1.6	191	3
3478MH0002910021203149C00	3149	13493	11.96	-0.4	0.4	49.0	1.4	159	4
3478MH0002910021203150C00	3150	13529	11.42	-0.4	0.4	47.1	1.3	127	5
3478MH0002910021203151C00	3151	13565	10.92	-0.4	0.3	45.4	1.2	95	6
3478MH0002910021203152C00	3152	13601	10.46	-0.3	0.3	43.7	1.1	63	7
3478MH0002910021203153C00	3153	13637	10.02	-0.3	0.3	42.2	1.0	31	8

updated: 13_December_2022

Sol 3478 - MAHLI Onboard Focus Merge Product Information



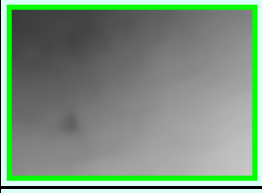

target Las_Claritas - mosaic position 5 of 6 - ~95 mm standoff

		CDPID	corresponding frame:	3478MH0002910011203155C00				
best focus image:	3478MH0005360001203214R00	3214	motor count:	13530	range (cm):	11.4		
range map product:	3478MH0005360001203215S00	3215	acquired sequence:	mhli00291	stack type:	Relative		
acquired on date:	19-May-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	36	acquired on sol:	3478	focus merged on sol:	3478			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3478MH0002910021203156C00	3156	13386	13.82	-0.5	0.5	55.5	1.9	255	1
3478MH0002910021203157C00	3157	13422	13.14	-0.5	0.5	53.2	1.7	223	2
3478MH0002910021203158C00	3158	13458	12.52	-0.4	0.4	51.0	1.6	191	3
3478MH0002910021203159C00	3159	13494	11.94	-0.4	0.4	48.9	1.4	159	4
3478MH0002910021203160C00	3160	13530	11.41	-0.4	0.4	47.1	1.3	127	5
3478MH0002910021203161C00	3161	13566	10.91	-0.4	0.3	45.3	1.2	95	6
3478MH0002910021203162C00	3162	13602	10.45	-0.3	0.3	43.7	1.1	63	7
3478MH0002910021203163C00	3163	13638	10.01	-0.3	0.3	42.1	1.0	31	8

updated: 13_December_2022

Sol 3478 - MAHLI Onboard Focus Merge Product Information

target Las_Claritas - mosaic position 6 of 6 - ~85 mm standoff

		CDPID	corresponding frame:	3478MH0002910011203165C00				
best focus image:	3478MH0005360001203212R00	3212	motor count:	13601	range (cm):	10.5		
range map product:	3478MH0005360001203213S00	3213	acquired sequence:	mhli00291	stack type:	Relative		
acquired on date:	19-May-22		merge sequence:	mhli00536	merge type:	Basic		
motor count interval:	36	acquired on sol:	3478	focus merged on sol:	3478			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3478MH0002910021203166C00	3166	13457	12.53	-0.4	0.4	51.0	1.6	255	1
3478MH0002910021203167C00	3167	13493	11.96	-0.4	0.4	49.0	1.4	223	2
3478MH0002910021203168C00	3168	13529	11.42	-0.4	0.4	47.1	1.3	191	3
3478MH0002910021203169C00	3169	13565	10.92	-0.4	0.3	45.4	1.2	159	4
3478MH0002910021203170C00	3170	13601	10.46	-0.3	0.3	43.7	1.1	127	5
3478MH0002910021203171C00	3171	13637	10.02	-0.3	0.3	42.2	1.0	95	6
3478MH0002910021203172C00	3172	13673	9.62	-0.3	0.3	40.8	1.0	63	7
3478MH0002910021203173C00	3173	13709	9.24	-0.3	0.3	39.4	0.9	31	8

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Sol 3478 - MAHLI Onboard Focus Merge Product Information




target Las_Claritas - after DRT - stereo-1 - ~45 mm standoff

			CDPID	corresponding frame:	3478MH0001820011203177C00			
best focus image:	3478MH0005360001203210R00		3210	motor count:	14077	range (cm):	6.4	
range map product:	3478MH0005360001203211S00		3211	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	19-May-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	24	acquired on sol:	3478	focus merged on sol:	3478			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3478MH0001820021203178C00	3178	13981	6.97	-0.2	0.2	31.4	0.6	255	1
3478MH0001820021203179C00	3179	14005	6.81	-0.2	0.2	30.9	0.6	223	2
3478MH0001820021203180C00	3180	14029	6.66	-0.2	0.2	30.3	0.6	191	3
3478MH0001820021203181C00	3181	14053	6.51	-0.2	0.1	29.8	0.5	159	4
3478MH0001820021203182C00	3182	14077	6.36	-0.2	0.1	29.3	0.5	127	5
3478MH0001820021203183C00	3183	14101	6.22	-0.1	0.1	28.8	0.5	95	6
3478MH0001820021203184C00	3184	14125	6.09	-0.1	0.1	28.3	0.5	63	7
3478MH0001820021203185C00	3185	14149	5.96	-0.1	0.1	27.9	0.5	31	8

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Sol 3478 - MAHLI Onboard Focus Merge Product Information




target Las_Claritas - after DRT - stereo-2 - ~45 mm standoff

			CDPID	corresponding frame:	3478MH0001820011203187C00			
best focus image:	3478MH0005360001203208R00		3208	motor count:	14078	range (cm):	6.4	
range map product:	3478MH0005360001203209S00		3209	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	19-May-22			merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	24	acquired on sol:	3478	focus merged on sol:	3478			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3478MH0001820021203188C00	3188	13982	6.96	-0.2	0.2	31.4	0.6	255	1
3478MH0001820021203189C00	3189	14006	6.80	-0.2	0.2	30.9	0.6	223	2
3478MH0001820021203190C00	3190	14030	6.65	-0.2	0.2	30.3	0.6	191	3
3478MH0001820021203191C00	3191	14054	6.50	-0.2	0.1	29.8	0.5	159	4
3478MH0001820021203192C00	3192	14078	6.36	-0.2	0.1	29.3	0.5	127	5
3478MH0001820021203193C00	3193	14102	6.22	-0.1	0.1	28.8	0.5	95	6
3478MH0001820021203194C00	3194	14126	6.08	-0.1	0.1	28.3	0.5	63	7
3478MH0001820021203195C00	3195	14150	5.95	-0.1	0.1	27.9	0.5	31	8

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Sol 3478 - MAHLI Onboard Focus Merge Product Information




target Las_Claritas - after DRT - ~15 mm standoff

		CDPID	corresponding frame:	3478MH0003020011203197C00			
best focus image:	3478MH0005360001203206R00	3206	motor count:	14866	range (cm):	3.3	
range map product:	3478MH0005360001203207S00	3207	acquired sequence:	mhli00302	stack type:	Relative	
acquired on date:	19-May-22		merge sequence:	mhli00536	merge type:	Basic	
motor count interval:	30	acquired on sol:	3478	focus merged on sol:	3478		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3478MH0003020021203198C00	3198	14746	3.65	-0.1	0.1	19.8	0.3	255	1
3478MH0003020021203199C00	3199	14776	3.57	-0.1	0.1	19.5	0.3	223	2
3478MH0003020021203200C00	3200	14806	3.50	-0.1	0.1	19.2	0.3	191	3
3478MH0003020021203201C00	3201	14836	3.42	-0.1	0.1	18.9	0.2	159	4
3478MH0003020021203202C00	3202	14866	3.34	-0.1	0.1	18.7	0.2	127	5
3478MH0003020021203203C00	3203	14896	3.27	-0.1	0.1	18.4	0.2	95	6
3478MH0003020021203204C00	3204	14926	3.20	-0.1	0.1	18.2	0.2	63	7
3478MH0003020021203205C00	3205	14956	3.13	-0.1	0.1	17.9	0.2	31	8

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Sol 3480 - MAHLI Onboard Focus Merge Product Information



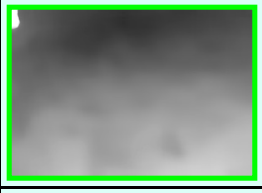

target Maple_Creek - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3480MH0001730011203227C00			
best focus image:	3481MH0001710001203312R00		3312	motor count:	13973	range (cm):	7.0	
range map product:	3481MH0001710001203313S00		3313	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	21-May-22			merge sequence:	mhli00171	merge type:	Basic	
motor count interval:	30	acquired on sol:	3480	focus merged on sol:	3481			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3480MH0001730021203228C00	3328	13853	7.92	-0.2	0.2	34.8	0.7	255	1
3480MH0001730021203229C00	3329	13883	7.68	-0.2	0.2	33.9	0.7	223	2
3480MH0001730021203230C00	3330	13913	7.45	-0.2	0.2	33.1	0.7	191	3
3480MH0001730021203231C00	3331	13943	7.23	-0.2	0.2	32.4	0.6	159	4
3480MH0001730021203232C00	3332	13973	7.02	-0.2	0.2	31.6	0.6	127	5
3480MH0001730021203233C00	3333	14003	6.82	-0.2	0.2	30.9	0.6	95	6
3480MH0001730021203234C00	3334	14033	6.63	-0.2	0.2	30.2	0.6	63	7
3480MH0001730021203235C00	3335	14063	6.45	-0.2	0.1	29.6	0.5	31	8

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Sol 3480 - MAHLI Onboard Focus Merge Product Information

target Maple_Creek - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3480MH0001730011203237C00			
best focus image:	3481MH0001710001203310R00		3310	motor count:	13972	range (cm):	7.0	
range map product:	3481MH0001710001203311S00		3311	acquired sequence:	mhli00173	stack type:	Relative	
acquired on date:	21-May-22			merge sequence:	mhli00171	merge type:	Basic	
motor count interval:	30	acquired on sol:	3480	focus merged on sol:	3481			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3480MH0001730021203238C00	3238	13852	7.93	-0.2	0.2	34.8	0.7	255	1
3480MH0001730021203239C00	3239	13882	7.69	-0.2	0.2	34.0	0.7	223	2
3480MH0001730021203240C00	3240	13912	7.46	-0.2	0.2	33.2	0.7	191	3
3480MH0001730021203241C00	3241	13942	7.24	-0.2	0.2	32.4	0.6	159	4
3480MH0001730021203242C00	3242	13972	7.03	-0.2	0.2	31.7	0.6	127	5
3480MH0001730021203243C00	3243	14002	6.83	-0.2	0.2	30.9	0.6	95	6
3480MH0001730021203244C00	3244	14032	6.64	-0.2	0.2	30.3	0.6	63	7
3480MH0001730021203245C00	3245	14062	6.45	-0.2	0.1	29.6	0.5	31	8

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Sol 3480 - MAHLI Onboard Focus Merge Product Information




target Apoteri - stereo-1 - ~4 cm standoff

		CDPID	corresponding frame:	3480MH0001520011203249C00				
best focus image:	3481MH0001710001203308R00	3308	motor count:	14224	range (cm):	5.6		
range map product:	3481MH0001710001203309S00	3309	acquired sequence:	mhli00152	stack type:	Relative		
acquired on date:	21-May-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	48	acquired on sol:	3480	focus merged on sol:	3481			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3480MH0001520021203250C00	3250	14032	6.64	-0.2	0.2	30.3	0.6	255	1
3480MH0001520021203251C00	3251	14080	6.35	-0.2	0.1	29.2	0.5	223	2
3480MH0001520021203252C00	3252	14128	6.07	-0.1	0.1	28.3	0.5	191	3
3480MH0001520021203253C00	3253	14176	5.82	-0.1	0.1	27.4	0.4	159	4
3480MH0001520021203254C00	3254	14224	5.57	-0.1	0.1	26.5	0.4	127	5
3480MH0001520021203255C00	3255	14272	5.35	-0.1	0.1	25.7	0.4	95	6
3480MH0001520021203256C00	3256	14320	5.13	-0.1	0.1	25.0	0.4	63	7
3480MH0001520021203257C00	3257	14368	4.93	-0.1	0.1	24.2	0.4	31	8

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Sol 3480 - MAHLI Onboard Focus Merge Product Information




target Apoteri - stereo-2 - ~4 cm standoff

		CDPID	corresponding frame:	3480MH0001520011203259C00				
best focus image:	3481MH0001710001203306R00	3306	motor count:	14228	range (cm):	5.6		
range map product:	3481MH0001710001203307S00	3307	acquired sequence:	mhli00152	stack type:	Relative		
acquired on date:	21-May-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	48	acquired on sol:	3480	focus merged on sol:	3481			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3480MH0001520021203260C00	3260	14036	6.61	-0.2	0.2	30.2	0.5	255	1
3480MH0001520021203261C00	3261	14084	6.32	-0.1	0.1	29.2	0.5	223	2
3480MH0001520021203262C00	3262	14132	6.05	-0.1	0.1	28.2	0.5	191	3
3480MH0001520021203263C00	3263	14180	5.80	-0.1	0.1	27.3	0.4	159	4
3480MH0001520021203264C00	3264	14228	5.55	-0.1	0.1	26.5	0.4	127	5
3480MH0001520021203265C00	3265	14276	5.33	-0.1	0.1	25.7	0.4	95	6
3480MH0001520021203266C00	3266	14324	5.11	-0.1	0.1	24.9	0.4	63	7
3480MH0001520021203267C00	3267	14372	4.91	-0.1	0.1	24.2	0.4	31	8

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Sol 3480 - MAHLI Onboard Focus Merge Product Information



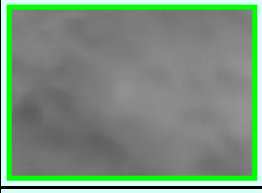

target Bamboo_Creek - after DRT - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3480MH0001820011203271C00			
best focus image:	3481MH0001710001203304R00		3304	motor count:	13987	range (cm):	6.9	
range map product:	3481MH0001710001203305S00		3305	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	21-May-22			merge sequence:	mhli00171	merge type:	Basic	
motor count interval:	24	acquired on sol:	3480	focus merged on sol:	3481			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3480MH0001820021203272C00	3472	13891	7.62	-0.2	0.2	33.7	0.7	255	1
3480MH0001820021203273C00	3473	13915	7.44	-0.2	0.2	33.1	0.6	223	2
3480MH0001820021203274C00	3474	13939	7.26	-0.2	0.2	32.5	0.6	191	3
3480MH0001820021203275C00	3475	13963	7.09	-0.2	0.2	31.9	0.6	159	4
3480MH0001820021203276C00	3476	13987	6.93	-0.2	0.2	31.3	0.6	127	5
3480MH0001820021203277C00	3477	14011	6.77	-0.2	0.2	30.7	0.6	95	6
3480MH0001820021203278C00	3478	14035	6.62	-0.2	0.2	30.2	0.6	63	7
3480MH0001820021203279C00	3479	14059	6.47	-0.2	0.1	29.7	0.5	31	8

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Sol 3480 - MAHLI Onboard Focus Merge Product Information

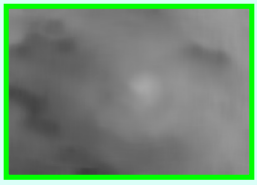
target Bamboo_Creek - after DRT - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3480MH0001820011203281C00			
best focus image:	3481MH0001710001203302R00		3302	motor count:	13985	range (cm):	6.9	
range map product:	3481MH0001710001203303S00		3303	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	21-May-22			merge sequence:	mhli00171	merge type:	Basic	
motor count interval:	24	acquired on sol:	3480	focus merged on sol:	3481			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3480MH0001820021203282C00	3482	13889	7.63	-0.2	0.2	33.8	0.7	255	1
3480MH0001820021203283C00	3483	13913	7.45	-0.2	0.2	33.1	0.7	223	2
3480MH0001820021203284C00	3484	13937	7.28	-0.2	0.2	32.5	0.6	191	3
3480MH0001820021203285C00	3485	13961	7.11	-0.2	0.2	31.9	0.6	159	4
3480MH0001820021203286C00	3486	13985	6.94	-0.2	0.2	31.3	0.6	127	5
3480MH0001820021203287C00	3487	14009	6.79	-0.2	0.2	30.8	0.6	95	6
3480MH0001820021203288C00	3488	14033	6.63	-0.2	0.2	30.2	0.6	63	7
3480MH0001820021203289C00	3489	14057	6.48	-0.2	0.1	29.7	0.5	31	8

updated: 13_December_2022

Sol 3480 - MAHLI Onboard Focus Merge Product Information

target Bamboo_Creek - after DRT - ~1 cm standoff

		CDPID	corresponding frame:	3480MH0007430011203291C00			
best focus image:	3481MH0001710001203300R00	3300	motor count:	15037	range (cm):	3.0	
range map product:	3481MH0001710001203301S00	3301	acquired sequence:	mhli00743	stack type:	Relative	
acquired on date:	21-May-22		merge sequence:	mhli00171	merge type:	Basic	
motor count interval:	36	acquired on sol:	3480	focus merged on sol:	3481		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3480MH0007430021203292C00	3492	14893	3.28	-0.1	0.1	18.4	0.2	255	1
3480MH0007430021203293C00	3493	14929	3.20	-0.1	0.1	18.2	0.2	223	2
3480MH0007430021203294C00	3494	14965	3.11	-0.1	0.1	17.9	0.2	191	3
3480MH0007430021203295C00	3495	15001	3.04	-0.1	0.1	17.6	0.2	159	4
3480MH0007430021203296C00	3496	15037	2.96	-0.1	0.1	17.3	0.2	127	5
3480MH0007430021203297C00	3497	15073	2.89	-0.1	0.1	17.1	0.2	95	6
3480MH0007430021203298C00	3498	15109	2.82	-0.1	0.1	16.8	0.2	63	7
3480MH0007430021203299C00	3499	15145	2.75	-0.1	0.1	16.6	0.2	31	8

updated: 13_December_2022

Sol 3483 - MAHLI Onboard Focus Merge Product Information




target Imataca - after DRT - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3483MH0001730011203317C00				
best focus image:	3483MH0001930001203350R00	3350	motor count:	14023	range (cm):	6.7		
range map product:	3483MH0001930001203351S00	3351	acquired sequence:	mhli00173	stack type:	Relative		
acquired on date:	24-May-22		merge sequence:	mhli00193	merge type:	Basic		
motor count interval:	30	acquired on sol:	3483	focus merged on sol:	3483			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3483MH0001730021203318C00	3318	13903	7.53	-0.2	0.2	33.4	0.7	255	1
3483MH0001730021203319C00	3319	13933	7.31	-0.2	0.2	32.6	0.6	223	2
3483MH0001730021203320C00	3320	13963	7.09	-0.2	0.2	31.9	0.6	191	3
3483MH0001730021203321C00	3321	13993	6.89	-0.2	0.2	31.2	0.6	159	4
3483MH0001730021203322C00	3322	14023	6.70	-0.2	0.2	30.5	0.6	127	5
3483MH0001730021203323C00	3323	14053	6.51	-0.2	0.1	29.8	0.5	95	6
3483MH0001730021203324C00	3324	14083	6.33	-0.2	0.1	29.2	0.5	63	7
3483MH0001730021203325C00	3325	14113	6.16	-0.1	0.1	28.6	0.5	31	8

updated: 13_December_2022

Sol 3483 - MAHLI Onboard Focus Merge Product Information




target Imataca - after DRT - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3483MH0001730011203327C00				
best focus image:	3483MH0001930001203348R00	3348	motor count:	14030	range (cm):	6.7		
range map product:	3483MH0001930001203349S00	3349	acquired sequence:	mhli00173	stack type:	Relative		
acquired on date:	24-May-22		merge sequence:	mhli00193	merge type:	Basic		
motor count interval:	30	acquired on sol:	3483	focus merged on sol:	3483			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3483MH0001730021203328C00	3328	13910	7.47	-0.2	0.2	33.2	0.7	255	1
3483MH0001730021203329C00	3329	13940	7.26	-0.2	0.2	32.4	0.6	223	2
3483MH0001730021203330C00	3330	13970	7.05	-0.2	0.2	31.7	0.6	191	3
3483MH0001730021203331C00	3331	14000	6.84	-0.2	0.2	31.0	0.6	159	4
3483MH0001730021203332C00	3332	14030	6.65	-0.2	0.2	30.3	0.6	127	5
3483MH0001730021203333C00	3333	14060	6.47	-0.2	0.1	29.7	0.5	95	6
3483MH0001730021203334C00	3334	14090	6.29	-0.1	0.1	29.0	0.5	63	7
3483MH0001730021203335C00	3335	14120	6.12	-0.1	0.1	28.4	0.5	31	8

updated: 13_December_2022

Sol 3483 - MAHLI Onboard Focus Merge Product Information



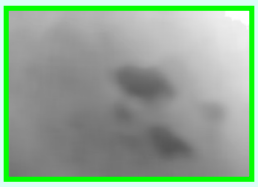

target Imataca - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3483MH0003370011203337C00			
best focus image:	3483MH0001930001203346R00	3346	motor count:	14742	range (cm):	3.7	
range map product:	3483MH0001930001203347S00	3347	acquired sequence:	mhli00337	stack type:	Relative	
acquired on date:	24-May-22		merge sequence:	mhli00193	merge type:	Basic	
motor count interval:	42	acquired on sol:	3483	focus merged on sol:	3483		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3483MH0003370021203338C00	3338	14574	4.17	-0.1	0.1	21.6	0.3	255	1
3483MH0003370021203339C00	3339	14616	4.04	-0.1	0.1	21.1	0.3	223	2
3483MH0003370021203340C00	3340	14658	3.91	-0.1	0.1	20.7	0.3	191	3
3483MH0003370021203341C00	3341	14700	3.78	-0.1	0.1	20.2	0.3	159	4
3483MH0003370021203342C00	3342	14742	3.67	-0.1	0.1	19.8	0.3	127	5
3483MH0003370021203343C00	3343	14784	3.55	-0.1	0.1	19.4	0.3	95	6
3483MH0003370021203344C00	3344	14826	3.44	-0.1	0.1	19.0	0.2	63	7
3483MH0003370021203345C00	3345	14868	3.34	-0.1	0.1	18.7	0.2	31	8

updated: 13_December_2022

Sol 3485 - MAHLI Onboard Focus Merge Product Information

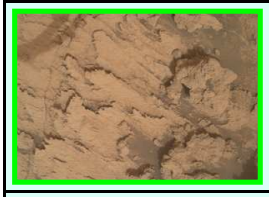
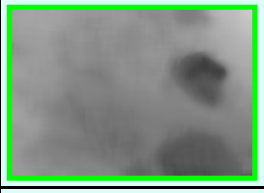
target Cabo_Sobral - mosaic position 1 of 3 - ~24 cm standoff

		CDPID	corresponding frame:	3485MH0003590011203353C00				
best focus image:	3485MH0002270001203410R00	3410	motor count:	13031	range (cm):	25.7		
range map product:	3485MH0002270001203411S00	3411	acquired sequence:	mhli00359	stack type:	Relative		
acquired on date:	26-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	18	acquired on sol:	3485	focus merged on sol:	3485			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3485MH0003590021203354C00	3354	12959	30.54	-2.3	2.7	114.4	8.8	255	1
3485MH0003590021203355C00	3355	12977	29.18	-2.1	2.4	109.6	8.0	223	2
3485MH0003590021203356C00	3356	12995	27.92	-2.0	2.2	105.2	7.4	191	3
3485MH0003590021203357C00	3357	13013	26.77	-1.8	2.0	101.1	6.8	159	4
3485MH0003590021203358C00	3358	13031	25.70	-1.7	1.9	97.3	6.2	127	5
3485MH0003590021203359C00	3359	13049	24.70	-1.6	1.7	93.8	5.8	95	6
3485MH0003590021203360C00	3360	13067	23.77	-1.4	1.6	90.6	5.3	63	7
3485MH0003590021203361C00	3361	13085	22.90	-1.3	1.5	87.5	5.0	31	8

updated: 13_December_2022

Sol 3485 - MAHLI Onboard Focus Merge Product Information

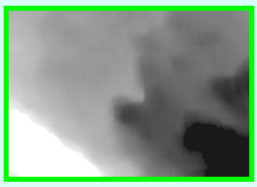
target Cabo_Sobral - mosaic position 2 of 3 - ~23 cm standoff

		CDPID	corresponding frame:	3485MH0003590011203363C00				
best focus image:	3485MH0002270001203408R00	3408	motor count:	13051	range (cm):	24.6		
range map product:	3485MH0002270001203409S00	3409	acquired sequence:	mhli00359	stack type:	Relative		
acquired on date:	26-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	18	acquired on sol:	3485	focus merged on sol:	3485			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3485MH0003590021203364C00	3364	12979	29.03	-2.1	2.4	109.1	8.0	255	1
3485MH0003590021203365C00	3365	12997	27.79	-1.9	2.2	104.7	7.3	223	2
3485MH0003590021203366C00	3366	13015	26.64	-1.8	2.0	100.7	6.7	191	3
3485MH0003590021203367C00	3367	13033	25.58	-1.7	1.9	96.9	6.2	159	4
3485MH0003590021203368C00	3368	13051	24.59	-1.5	1.7	93.5	5.7	127	5
3485MH0003590021203369C00	3369	13069	23.67	-1.4	1.6	90.2	5.3	95	6
3485MH0003590021203370C00	3370	13087	22.81	-1.3	1.5	87.2	4.9	63	7
3485MH0003590021203371C00	3371	13105	22.00	-1.2	1.4	84.3	4.6	31	8

updated: 13_December_2022

Sol 3485 - MAHLI Onboard Focus Merge Product Information

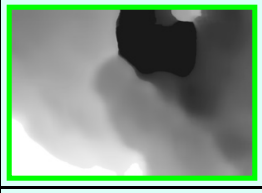
target Cabo_Sobral - mosaic position 3 of 3 - ~22 cm standoff

		CDPID	corresponding frame:	3485MH0003590011203373C00				
best focus image:	3485MH0002270001203406R00	3406	motor count:	13071	range (cm):	23.6		
range map product:	3485MH0002270001203407S00	3407	acquired sequence:	mhli00359	stack type:	Relative		
acquired on date:	26-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	18	acquired on sol:	3485	focus merged on sol:	3485			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3485MH0003590021203374C00	3374	12999	27.66	-1.9	2.2	104.3	7.2	255	1
3485MH0003590021203375C00	3375	13017	26.52	-1.8	2.0	100.3	6.6	223	2
3485MH0003590021203376C00	3376	13035	25.47	-1.6	1.8	96.5	6.1	191	3
3485MH0003590021203377C00	3377	13053	24.49	-1.5	1.7	93.1	5.7	159	4
3485MH0003590021203378C00	3378	13071	23.57	-1.4	1.6	89.9	5.2	127	5
3485MH0003590021203379C00	3379	13089	22.71	-1.3	1.4	86.9	4.9	95	6
3485MH0003590021203380C00	3380	13107	21.91	-1.2	1.3	84.0	4.5	63	7
3485MH0003590021203381C00	3381	13125	21.16	-1.2	1.3	81.4	4.2	31	8

updated: 13_December_2022

Sol 3485 - MAHLI Onboard Focus Merge Product Information

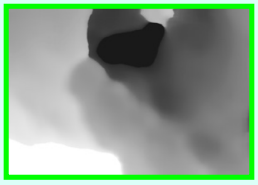
target Cabo_Sobral - stereo-1 - ~7 cm standoff

		CDPID	corresponding frame:	3485MH0000847001203383C00				
best focus image:	3485MH0002270001203404R00	3404	motor count:	13725	range (cm):	9.1		
range map product:	3485MH0002270001203405S00	3405	acquired sequence:	mhli00847	stack type:	Relative		
acquired on date:	26-May-22		merge sequence:	mhli00227	merge type:	Basic		
motor count interval:	54	acquired on sol:	3485	focus merged on sol:	3485			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3485MH0000847002120338 4C00	3384	13509	11.71	-0.4	0.4	48.1	1.4	255	1
3485MH0000847002120338 5C00	3385	13563	10.95	-0.4	0.3	45.4	1.2	223	2
3485MH0000847002120338 6C00	3386	13617	10.26	-0.3	0.3	43.0	1.1	191	3
3485MH0000847002120338 7C00	3387	13671	9.64	-0.3	0.3	40.8	1.0	159	4
3485MH0000847002120338 8C00	3388	13725	9.07	-0.3	0.2	38.8	0.9	127	5
3485MH0000847002120338 9C00	3389	13779	8.56	-0.2	0.2	37.0	0.8	95	6
3485MH0000847002120339 0C00	3390	13833	8.08	-0.2	0.2	35.4	0.7	63	7
3485MH0000847002120339 1C00	3391	13887	7.65	-0.2	0.2	33.8	0.7	31	8

updated: 13_December_2022

Sol 3485 - MAHLI Onboard Focus Merge Product Information

target Cabo_Sobral - stereo-2 - ~7 cm standoff

			CDPID	corresponding frame:	3485MH0008470011203393C00			
best focus image:	3485MH0002270001203402R00		3402	motor count:	13759	range (cm):	8.7	
range map product:	3485MH0002270001203403S00		3403	acquired sequence:	mhli00847	stack type:	Relative	
acquired on date:	26-May-22			merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	54	acquired on sol:	3485	focus merged on sol:	3485			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3485MH0008470021203394C00	3394	13543	11.22	-0.4	0.4	46.4	1.3	255	1
3485MH0008470021203395C00	3395	13597	10.51	-0.3	0.3	43.9	1.1	223	2
3485MH0008470021203396C00	3396	13651	9.86	-0.3	0.3	41.6	1.0	191	3
3485MH0008470021203397C00	3397	13705	9.28	-0.3	0.3	39.6	0.9	159	4
3485MH0008470021203398C00	3398	13759	8.74	-0.2	0.2	37.7	0.8	127	5
3485MH0008470021203399C00	3399	13813	8.25	-0.2	0.2	36.0	0.8	95	6
3485MH0008470021203400C00	3400	13867	7.81	-0.2	0.2	34.4	0.7	63	7
3485MH0008470021203401C00	3401	13921	7.39	-0.2	0.2	32.9	0.6	31	8

updated: 13_December_2022

Sol 3488 - MAHLI Onboard Focus Merge Product Information



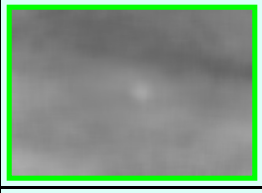

target Pitinga - no DRT - APXS spot 1 - ~5 cm standoff

			CDPID	corresponding frame:	3488MH0001680011203415C00			
best focus image:	3488MH0001530001203468R00		3468	motor count:	14000	range (cm):	6.8	
range map product:	3488MH0001530001203469S00		3469	acquired sequence:	mhli00168	stack type:	Relative	
acquired on date:	30-May-22			merge sequence:	mhli00153	merge type:	Basic	
motor count interval:	18	acquired on sol:	3488	focus merged on sol:	3488			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3488MH0001680021203416C00	3416	13928	7.34	-0.2	0.2	32.7	0.6	255	1
3488MH0001680021203417C00	3417	13946	7.21	-0.2	0.2	32.3	0.6	223	2
3488MH0001680021203418C00	3418	13964	7.09	-0.2	0.2	31.8	0.6	191	3
3488MH0001680021203419C00	3419	13982	6.96	-0.2	0.2	31.4	0.6	159	4
3488MH0001680021203420C00	3420	14000	6.84	-0.2	0.2	31.0	0.6	127	5
3488MH0001680021203421C00	3421	14018	6.73	-0.2	0.2	30.6	0.6	95	6
3488MH0001680021203422C00	3422	14036	6.61	-0.2	0.2	30.2	0.5	63	7
3488MH0001680021203423C00	3423	14054	6.50	-0.2	0.1	29.8	0.5	31	8

updated: 13_December_2022

Sol 3488 - MAHLI Onboard Focus Merge Product Information

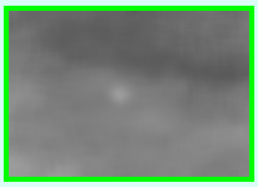
target Pitinga - after DRT - APXS spot 2 - relief model position 1 - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3488MH0001680011203427C00			
best focus image:	3488MH0001530001203466R00		3466	motor count:	14011	range (cm):	6.8	
range map product:	3488MH0001530001203467S00		3467	acquired sequence:	mhli00168	stack type:	Relative	
acquired on date:	30-May-22			merge sequence:	mhli00153	merge type:	Basic	
motor count interval:	18	acquired on sol:	3488	focus merged on sol:	3488			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3488MH0001680021203428C00	3428	13939	7.26	-0.2	0.2	32.5	0.6	255	1
3488MH0001680021203429C00	3429	13957	7.14	-0.2	0.2	32.0	0.6	223	2
3488MH0001680021203430C00	3430	13975	7.01	-0.2	0.2	31.6	0.6	191	3
3488MH0001680021203431C00	3431	13993	6.89	-0.2	0.2	31.2	0.6	159	4
3488MH0001680021203432C00	3432	14011	6.77	-0.2	0.2	30.7	0.6	127	5
3488MH0001680021203433C00	3433	14029	6.66	-0.2	0.2	30.3	0.6	95	6
3488MH0001680021203434C00	3434	14047	6.55	-0.2	0.1	29.9	0.5	63	7
3488MH0001680021203435C00	3435	14065	6.44	-0.2	0.1	29.6	0.5	31	8

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Sol 3488 - MAHLI Onboard Focus Merge Product Information

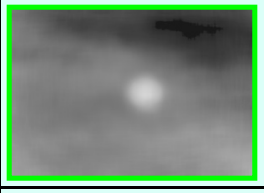
target Pitinga - after DRT - APXS spot 2 - relief model position 2 - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3488MH0001680011203437C00				
best focus image:	3488MH0001530001203464R00	3464	motor count:	14005	range (cm):	6.8		
range map product:	3488MH0001530001203465S00	3465	acquired sequence:	mhli00168	stack type:	Relative		
acquired on date:	30-May-22		merge sequence:	mhli00153	merge type:	Basic		
motor count interval:	18	acquired on sol:	3488	focus merged on sol:	3488			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3488MH0001680021203438C00	3438	13933	7.31	-0.2	0.2	32.6	0.6	255	1
3488MH0001680021203439C00	3439	13951	7.18	-0.2	0.2	32.2	0.6	223	2
3488MH0001680021203440C00	3440	13969	7.05	-0.2	0.2	31.7	0.6	191	3
3488MH0001680021203441C00	3441	13987	6.93	-0.2	0.2	31.3	0.6	159	4
3488MH0001680021203442C00	3442	14005	6.81	-0.2	0.2	30.9	0.6	127	5
3488MH0001680021203443C00	3443	14023	6.70	-0.2	0.2	30.5	0.6	95	6
3488MH0001680021203444C00	3444	14041	6.58	-0.2	0.2	30.1	0.5	63	7
3488MH0001680021203445C00	3445	14059	6.47	-0.2	0.1	29.7	0.5	31	8

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Sol 3488 - MAHLI Onboard Focus Merge Product Information

target Pitinga - after DRT - APXS spot 2 - ~1 cm standoff

		CDPID	corresponding frame:	3488MH0000848001203453C00				
best focus image:	3488MH0001530001203462R00	3462	motor count:	15109	range (cm):	2.8		
range map product:	3488MH0001530001203463S00	3463	acquired sequence:	mhli00848	stack type:	Relative		
acquired on date:	30-May-22		merge sequence:	mhli00153	merge type:	Basic		
motor count interval:	24	acquired on sol:	3488	focus merged on sol:	3488			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3488MH0000848021203454C00	3454	15013	3.01	-0.1	0.1	17.5	0.2	255	1
3488MH0000848021203455C00	3455	15037	2.96	-0.1	0.1	17.3	0.2	223	2
3488MH0000848021203456C00	3456	15061	2.91	-0.1	0.1	17.1	0.2	191	3
3488MH0000848021203457C00	3457	15085	2.86	-0.1	0.1	17.0	0.2	159	4
3488MH0000848021203458C00	3458	15109	2.82	-0.1	0.1	16.8	0.2	127	5
3488MH0000848021203459C00	3459	15133	2.77	-0.1	0.1	16.7	0.2	95	6
3488MH0000848021203460C00	3460	15157	2.73	-0.1	0.1	16.5	0.2	63	7
3488MH0000848021203461C00	3461	15181	2.68	-0.1	0.1	16.3	0.2	31	8

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Sol 3491 - MAHLI Onboard Focus Merge Product Information




target Parepona - after DRT - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3491MH0001820011203473C00			
best focus image:	3491MH0001630001203544R00		3544	motor count:	14021	range (cm):	6.7	
range map product:	3491MH0001630001203545S00		3545	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	2-Jun-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3491	focus merged on sol:	3491			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3491MH0001820021203474C00	3474	13925	7.36	-0.2	0.2	32.8	0.6	255	1
3491MH0001820021203475C00	3475	13949	7.19	-0.2	0.2	32.2	0.6	223	2
3491MH0001820021203476C00	3476	13973	7.02	-0.2	0.2	31.6	0.6	191	3
3491MH0001820021203477C00	3477	13997	6.86	-0.2	0.2	31.1	0.6	159	4
3491MH0001820021203478C00	3478	14021	6.71	-0.2	0.2	30.5	0.6	127	5
3491MH0001820021203479C00	3479	14045	6.56	-0.2	0.1	30.0	0.5	95	6
3491MH0001820021203480C00	3480	14069	6.41	-0.2	0.1	29.5	0.5	63	7
3491MH0001820021203481C00	3481	14093	6.27	-0.1	0.1	29.0	0.5	31	8

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Sol 3491 - MAHLI Onboard Focus Merge Product Information




target Parepona - after DRT - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3491MH0001820011203483C00			
best focus image:	3491MH0001630001203542R00		3542	motor count:	14024	range (cm):	6.7	
range map product:	3491MH0001630001203543S00		3543	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	2-Jun-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3491	focus merged on sol:	3491			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3491MH0001820021203484C00	3484	13928	7.34	-0.2	0.2	32.7	0.6	255	1
3491MH0001820021203485C00	3485	13952	7.17	-0.2	0.2	32.1	0.6	223	2
3491MH0001820021203486C00	3486	13976	7.00	-0.2	0.2	31.6	0.6	191	3
3491MH0001820021203487C00	3487	14000	6.84	-0.2	0.2	31.0	0.6	159	4
3491MH0001820021203488C00	3488	14024	6.69	-0.2	0.2	30.4	0.6	127	5
3491MH0001820021203489C00	3489	14048	6.54	-0.2	0.1	29.9	0.5	95	6
3491MH0001820021203490C00	3490	14072	6.39	-0.2	0.1	29.4	0.5	63	7
3491MH0001820021203491C00	3491	14096	6.25	-0.1	0.1	28.9	0.5	31	8

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Sol 3491 - MAHLI Onboard Focus Merge Product Information



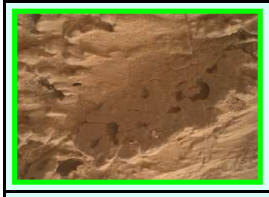
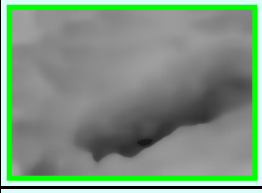

target Parepona - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3491MH0003020011203493C00				
best focus image:	3491MH0001630001203540R00	3540	motor count:	14729	range (cm):	3.7		
range map product:	3491MH0001630001203541S00	3541	acquired sequence:	mhli00302	stack type:	Relative		
acquired on date:	2-Jun-22		merge sequence:	mhli00163	merge type:	Basic		
motor count interval:	30	acquired on sol:	3491	focus merged on sol:	3491			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3491MH0003020021203494C00	3494	14609	4.06	-0.1	0.1	21.2	0.3	255	1
3491MH0003020021203495C00	3495	14639	3.96	-0.1	0.1	20.9	0.3	223	2
3491MH0003020021203496C00	3496	14669	3.87	-0.1	0.1	20.5	0.3	191	3
3491MH0003020021203497C00	3497	14699	3.79	-0.1	0.1	20.2	0.3	159	4
3491MH0003020021203498C00	3498	14729	3.70	-0.1	0.1	19.9	0.3	127	5
3491MH0003020021203499C00	3499	14759	3.62	-0.1	0.1	19.6	0.3	95	6
3491MH0003020021203500C00	3500	14789	3.54	-0.1	0.1	19.4	0.3	63	7
3491MH0003020021203501C00	3501	14819	3.46	-0.1	0.1	19.1	0.3	31	8

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Sol 3491 - MAHLI Onboard Focus Merge Product Information

target Cabadiscana - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3491MH0002990011203505C00				
best focus image:	3491MH0001630001203538R00	3538	motor count:	13948	range (cm):	7.2		
range map product:	3491MH0001630001203539S00	3539	acquired sequence:	mhli00299	stack type:	Relative		
acquired on date:	2-Jun-22		merge sequence:	mhli00163	merge type:	Basic		
motor count interval:	36	acquired on sol:	3491	focus merged on sol:	3491			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3491MH0002990021203506C00	3506	13804	8.33	-0.2	0.2	36.2	0.8	255	1
3491MH0002990021203507C00	3507	13840	8.03	-0.2	0.2	35.2	0.7	223	2
3491MH0002990021203508C00	3508	13876	7.74	-0.2	0.2	34.1	0.7	191	3
3491MH0002990021203509C00	3509	13912	7.46	-0.2	0.2	33.2	0.7	159	4
3491MH0002990021203510C00	3510	13948	7.20	-0.2	0.2	32.2	0.6	127	5
3491MH0002990021203511C00	3511	13984	6.95	-0.2	0.2	31.4	0.6	95	6
3491MH0002990021203512C00	3512	14020	6.71	-0.2	0.2	30.5	0.6	63	7
3491MH0002990021203513C00	3513	14056	6.49	-0.2	0.1	29.7	0.5	31	8

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Sol 3491 - MAHLI Onboard Focus Merge Product Information



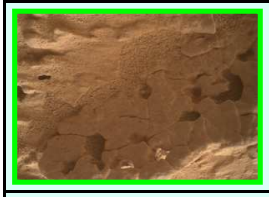
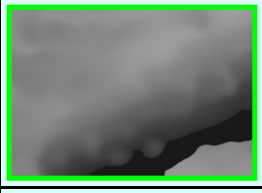

target Cabadiscana - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3491MH0002990011203515C00			
best focus image:	3491MH0001630001203536R00		3536	motor count:	13950	range (cm):	7.2	
range map product:	3491MH0001630001203537S00		3537	acquired sequence:	mhli00299	stack type:	Relative	
acquired on date:	2-Jun-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	36	acquired on sol:	3491	focus merged on sol:	3491			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3491MH0002990021203516C00	3516	13806	8.32	-0.2	0.2	36.2	0.8	255	1
3491MH0002990021203517C00	3517	13842	8.01	-0.2	0.2	35.1	0.7	223	2
3491MH0002990021203518C00	3518	13878	7.72	-0.2	0.2	34.1	0.7	191	3
3491MH0002990021203519C00	3519	13914	7.44	-0.2	0.2	33.1	0.7	159	4
3491MH0002990021203520C00	3520	13950	7.18	-0.2	0.2	32.2	0.6	127	5
3491MH0002990021203521C00	3521	13986	6.94	-0.2	0.2	31.3	0.6	95	6
3491MH0002990021203522C00	3522	14022	6.70	-0.2	0.2	30.5	0.6	63	7
3491MH0002990021203523C00	3523	14058	6.48	-0.2	0.1	29.7	0.5	31	8

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Sol 3491 - MAHLI Onboard Focus Merge Product Information

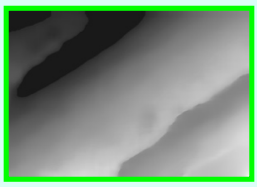
target Cabadiscana - ~2 cm standoff

			CDPID	corresponding frame:	3491MH0003110011203525C00			
best focus image:	3491MH0001630001203534R00		3534	motor count:	14553	range (cm):	4.2	
range map product:	3491MH0001630001203535S00		3535	acquired sequence:	mhli00311	stack type:	Relative	
acquired on date:	2-Jun-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	66	acquired on sol:	3491	focus merged on sol:	3491			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3491MH0003110021203526C00	3526	14289	5.27	-0.1	0.1	25.4	0.4	255	1
3491MH0003110021203527C00	3527	14355	4.98	-0.1	0.1	24.4	0.4	223	2
3491MH0003110021203528C00	3528	14421	4.72	-0.1	0.1	23.5	0.3	191	3
3491MH0003110021203529C00	3529	14487	4.47	-0.1	0.1	22.6	0.3	159	4
3491MH0003110021203530C00	3530	14553	4.24	-0.1	0.1	21.8	0.3	127	5
3491MH0003110021203531C00	3531	14619	4.03	-0.1	0.1	21.1	0.3	95	6
3491MH0003110021203532C00	3532	14685	3.83	-0.1	0.1	20.4	0.3	63	7
3491MH0003110021203533C00	3533	14751	3.64	-0.1	0.1	19.7	0.3	31	8

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Sol 3493 - MAHLI Onboard Focus Merge Product Information

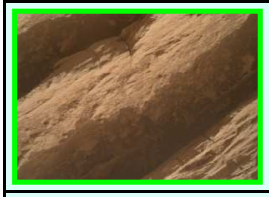
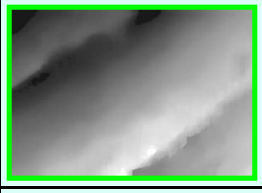
target Tabaco - mosaic position 1 of 4 - ~16 cm standoff

		CDPID	corresponding frame:	3493MH0008490011203567C00				
best focus image:	3493MH0001710001203656R00	3656	motor count:	13203	range (cm):	18.4		
range map product:	3493MH0001710001203657S00	3657	acquired sequence:	mhli00849	stack type:	Relative		
acquired on date:	4-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	36	acquired on sol:	3493	focus merged on sol:	3493			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3493MH0008490021203568C00	3568	13059	24.17	-1.5	1.6	92.0	5.5	255	1
3493MH0008490021203569C00	3569	13095	22.44	-1.3	1.4	85.9	4.8	223	2
3493MH0008490021203570C00	3570	13131	20.92	-1.1	1.2	80.5	4.1	191	3
3493MH0008490021203571C00	3571	13167	19.57	-1.0	1.1	75.8	3.6	159	4
3493MH0008490021203572C00	3572	13203	18.36	-0.9	0.9	71.5	3.2	127	5
3493MH0008490021203573C00	3573	13239	17.28	-0.8	0.8	67.7	2.8	95	6
3493MH0008490021203574C00	3574	13275	16.31	-0.7	0.7	64.3	2.5	63	7
3493MH0008490021203575C00	3575	13311	15.42	-0.6	0.7	61.2	2.3	31	8

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Sol 3493 - MAHLI Onboard Focus Merge Product Information

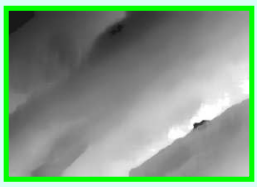
target Tabaco - mosaic position 2 of 4 - ~16 cm standoff

		CDPID	corresponding frame:	3493MH0008490011203577C00				
best focus image:	3493MH0001710001203654R00	3654	motor count:	13218	range (cm):	17.9		
range map product:	3493MH0001710001203655S00	3655	acquired sequence:	mhli00849	stack type:	Relative		
acquired on date:	4-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	36	acquired on sol:	3493	focus merged on sol:	3493			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3493MH0008490021203578C00	3578	13074	23.42	-1.4	1.5	89.4	5.2	255	1
3493MH0008490021203579C00	3579	13110	21.78	-1.2	1.3	83.6	4.5	223	2
3493MH0008490021203580C00	3580	13146	20.34	-1.1	1.2	78.5	3.9	191	3
3493MH0008490021203581C00	3581	13182	19.05	-1.0	1.0	74.0	3.4	159	4
3493MH0008490021203582C00	3582	13218	17.90	-0.8	0.9	69.9	3.0	127	5
3493MH0008490021203583C00	3583	13254	16.87	-0.8	0.8	66.3	2.7	95	6
3493MH0008490021203584C00	3584	13290	15.93	-0.7	0.7	63.0	2.4	63	7
3493MH0008490021203585C00	3585	13326	15.08	-0.6	0.6	60.0	2.2	31	8

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Sol 3493 - MAHLI Onboard Focus Merge Product Information

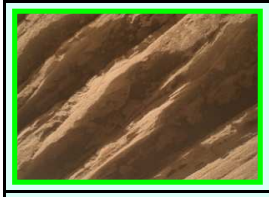
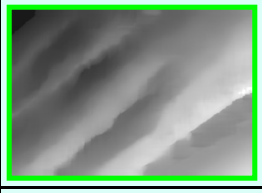
target Tabaco - mosaic position 3 of 4 - ~16 cm standoff

		CDPID	corresponding frame:	3493MH0008490011203587C00				
best focus image:	3493MH0001710001203652R00	3652	motor count:	13229	range (cm):	17.6		
range map product:	3493MH0001710001203653S00	3653	acquired sequence:	mhli00849	stack type:	Relative		
acquired on date:	4-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	36	acquired on sol:	3493	focus merged on sol:	3493			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3493MH0008490021203588C00	3588	13085	22.90	-1.3	1.5	87.5	5.0	255	1
3493MH0008490021203589C00	3589	13121	21.32	-1.2	1.3	82.0	4.3	223	2
3493MH0008490021203590C00	3590	13157	19.93	-1.0	1.1	77.0	3.8	191	3
3493MH0008490021203591C00	3591	13193	18.69	-0.9	1.0	72.7	3.3	159	4
3493MH0008490021203592C00	3592	13229	17.57	-0.8	0.9	68.8	2.9	127	5
3493MH0008490021203593C00	3593	13265	16.57	-0.7	0.8	65.2	2.6	95	6
3493MH0008490021203594C00	3594	13301	15.66	-0.7	0.7	62.0	2.3	63	7
3493MH0008490021203595C00	3595	13337	14.83	-0.6	0.6	59.1	2.1	31	8

updated: 13_December_2022

Sol 3493 - MAHLI Onboard Focus Merge Product Information

target Tabaco - mosaic position 4 of 4 - ~16 cm standoff

		CDPID	corresponding frame:	3493MH0008490011203597C00				
best focus image:	3493MH0001710001203650R00	3650	motor count:	13228	range (cm):	17.6		
range map product:	3493MH0001710001203651S00	3651	acquired sequence:	mhli00849	stack type:	Relative		
acquired on date:	4-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	36	acquired on sol:	3493	focus merged on sol:	3493			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3493MH0008490021203598C00	3598	13084	22.95	-1.4	1.5	87.7	5.0	255	1
3493MH0008490021203599C00	3599	13120	21.36	-1.2	1.3	82.1	4.3	223	2
3493MH0008490021203600C00	3600	13156	19.96	-1.0	1.1	77.2	3.8	191	3
3493MH0008490021203601C00	3601	13192	18.72	-0.9	1.0	72.8	3.3	159	4
3493MH0008490021203602C00	3602	13228	17.60	-0.8	0.9	68.9	2.9	127	5
3493MH0008490021203603C00	3603	13264	16.60	-0.7	0.8	65.3	2.6	95	6
3493MH0008490021203604C00	3604	13300	15.68	-0.7	0.7	62.1	2.4	63	7
3493MH0008490021203605C00	3605	13336	14.85	-0.6	0.6	59.2	2.1	31	8

updated: 13_December_2022

Sol 3493 - MAHLI Onboard Focus Merge Product Information




target Issano - after DRT - stereo-1 - relief model position 1 - ~5 cm standoff

		CDPID	corresponding frame:	3493MH0001680011203609C00				
best focus image:	3493MH0001710001203648R00	3648	motor count:	14002	range (cm):	6.8		
range map product:	3493MH0001710001203649S00	3649	acquired sequence:	mhli00168	stack type:	Relative		
acquired on date:	4-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	18	acquired on sol:	3493	focus merged on sol:	3493			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3493MH0001680021203610C00	3610	13930	7.33	-0.2	0.2	32.7	0.6	255	1
3493MH0001680021203611C00	3611	13948	7.20	-0.2	0.2	32.2	0.6	223	2
3493MH0001680021203612C00	3612	13966	7.07	-0.2	0.2	31.8	0.6	191	3
3493MH0001680021203613C00	3613	13984	6.95	-0.2	0.2	31.4	0.6	159	4
3493MH0001680021203614C00	3614	14002	6.83	-0.2	0.2	30.9	0.6	127	5
3493MH0001680021203615C00	3615	14020	6.71	-0.2	0.2	30.5	0.6	95	6
3493MH0001680021203616C00	3616	14038	6.60	-0.2	0.2	30.1	0.5	63	7
3493MH0001680021203617C00	3617	14056	6.49	-0.2	0.1	29.7	0.5	31	8

updated: 13_December_2022

Sol 3493 - MAHLI Onboard Focus Merge Product Information



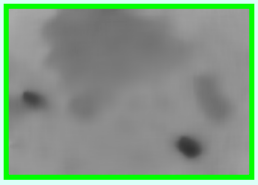

target Issano - after DRT - stereo-2 - relief model position 2 - ~5 cm standoff

		CDPID	corresponding frame:	3493MH0001680011203619C00				
best focus image:	3493MH0001710001203646R00	3646	motor count:	14003	range (cm):	6.8		
range map product:	3493MH0001710001203647S00	3647	acquired sequence:	mhli00168	stack type:	Relative		
acquired on date:	4-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	18	acquired on sol:	3493	focus merged on sol:	3493			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3493MH0001680021203620C00	3620	13931	7.32	-0.2	0.2	32.7	0.6	255	1
3493MH0001680021203621C00	3621	13949	7.19	-0.2	0.2	32.2	0.6	223	2
3493MH0001680021203622C00	3622	13967	7.07	-0.2	0.2	31.8	0.6	191	3
3493MH0001680021203623C00	3623	13985	6.94	-0.2	0.2	31.3	0.6	159	4
3493MH0001680021203624C00	3624	14003	6.82	-0.2	0.2	30.9	0.6	127	5
3493MH0001680021203625C00	3625	14021	6.71	-0.2	0.2	30.5	0.6	95	6
3493MH0001680021203626C00	3626	14039	6.59	-0.2	0.2	30.1	0.5	63	7
3493MH0001680021203627C00	3627	14057	6.48	-0.2	0.1	29.7	0.5	31	8

updated: 13_December_2022

Sol 3493 - MAHLI Onboard Focus Merge Product Information

target Issano - after DRT - ~1 cm standoff

		CDPID	corresponding frame:	3493MH0007430011203635C00			
best focus image:	3493MH0001710001203644R00	3644	motor count:	15112	range (cm):	2.8	
range map product:	3493MH0001710001203645S00	3645	acquired sequence:	mhli00743	stack type:	Relative	
acquired on date:	4-Jun-22		merge sequence:	mhli00171	merge type:	Basic	
motor count interval:	36	acquired on sol:	3493	focus merged on sol:	3493		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3493MH0007430021203636C00	3636	14968	3.11	-0.1	0.1	17.8	0.2	255	1
3493MH0007430021203637C00	3637	15004	3.03	-0.1	0.1	17.6	0.2	223	2
3493MH0007430021203638C00	3638	15040	2.95	-0.1	0.1	17.3	0.2	191	3
3493MH0007430021203639C00	3639	15076	2.88	-0.1	0.1	17.0	0.2	159	4
3493MH0007430021203640C00	3640	15112	2.81	-0.1	0.1	16.8	0.2	127	5
3493MH0007430021203641C00	3641	15148	2.74	-0.1	0.1	16.6	0.2	95	6
3493MH0007430021203642C00	3642	15184	2.68	-0.1	0.1	16.3	0.2	63	7
3493MH0007430021203643C00	3643	15220	2.61	-0.1	0.1	16.1	0.2	31	8

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Sol 3503 - MAHLI Onboard Focus Merge Product Information





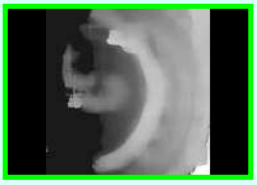
ChemCam RWEB window - ~25 cm standoff

		CDPID	corresponding frame:	3503MH0005200011203659C00			
best focus image:	3503MH0008500001203772R00	3772	motor count:	13100	range (cm):	22.2	
range map product:	3503MH0008500001203773S00	3773	acquired sequence:	mhli00520	stack type:	Relative	
acquired on date:	14-Jun-22		merge sequence:	mhli00850	merge type:	Basic	
motor count interval:	24	acquired on sol:	3503	focus merged on sol:	3503		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 16
				near	far				
3503MH0005200021203660C00	3660	12908	35.11	-3.0	3.6	130.5	11.7	n/a	1
3503MH0005200021203661C00	3661	12932	32.81	-2.7	3.1	122.4	10.2	n/a	2
3503MH0005200021203662C00	3662	12956	30.77	-2.4	2.7	115.2	9.0	255	3
3503MH0005200021203663C00	3663	12980	28.96	-2.1	2.4	108.8	7.9	223	4
3503MH0005200021203664C00	3664	13004	27.34	-1.9	2.1	103.1	7.1	191	5
3503MH0005200021203665C00	3665	13028	25.87	-1.7	1.9	98.0	6.3	159	6
3503MH0005200021203666C00	3666	13052	24.54	-1.5	1.7	93.3	5.7	127	7
3503MH0005200021203667C00	3667	13076	23.33	-1.4	1.5	89.0	5.1	95	8
3503MH0005200021203668C00	3668	13100	22.22	-1.3	1.4	85.1	4.7	63	9
3503MH0005200021203669C00	3669	13124	21.20	-1.2	1.3	81.5	4.2	31	10
3503MH0005200021203670C00	3670	13148	20.26	-1.1	1.1	78.2	3.9	n/a	11
3503MH0005200021203671C00	3671	13172	19.39	-1.0	1.0	75.2	3.6	n/a	12
3503MH0005200021203672C00	3672	13196	18.59	-0.9	1.0	72.3	3.3	n/a	13
3503MH0005200021203673C00	3673	13220	17.84	-0.8	0.9	69.7	3.0	n/a	14
3503MH0005200021203674C00	3674	13244	17.14	-0.8	0.8	67.2	2.8	n/a	15
3503MH0005200021203675C00	3675	13268	16.49	-0.7	0.8	64.9	2.6	n/a	16

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Sol 3503 - MAHLI Onboard Focus Merge Product Information

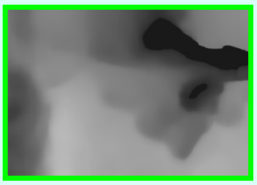
ChemCam RWEB window - focused on internal hardware - ~25 cm standoff

		CDPID	corresponding frame:	3503MH0005200041203677C00			
best focus image:	3503MH0008500001203770R00	3770	motor count:	12990	range (cm):	28.3	
range map product:	3503MH0008500001203771S00	3771	acquired sequence:	mhli00520	stack type:	Relative	
acquired on date:	14-Jun-22		merge sequence:	mhli00850	merge type:	Basic	
motor count interval:	24	acquired on sol:	3503	focus merged on sol:	3503		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3503MH0005200051203678C00	3678	12894	36.59	-3.3	4.0	135.7	12.7	255	1
3503MH0005200051203679C00	3679	12918	34.11	-2.9	3.4	127.0	11.1	223	2
3503MH0005200051203680C00	3680	12942	31.93	-2.5	3.0	119.3	9.7	191	3
3503MH0005200051203681C00	3681	12966	29.99	-2.2	2.6	112.5	8.5	159	4
3503MH0005200051203682C00	3682	12990	28.26	-2.0	2.3	106.4	7.5	127	5
3503MH0005200051203683C00	3683	13014	26.71	-1.8	2.0	100.9	6.7	95	6
3503MH0005200051203684C00	3684	13038	25.30	-1.6	1.8	96.0	6.0	63	7
3503MH0005200051203685C00	3685	13062	24.02	-1.5	1.6	91.5	5.4	31	8

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Sol 3503 - MAHLI Onboard Focus Merge Product Information

target Wandapa - mosaic position 1 of 3 - ~45 mm standoff

		CDPID	corresponding frame:	3503MH0007400011203690C00			
best focus image:	3503MH0008500001203768R00	3768	motor count:	14066	range (cm):	6.4	
range map product:	3503MH0008500001203769S00	3769	acquired sequence:	mhli00740	stack type:	Relative	
acquired on date:	14-Jun-22		merge sequence:	mhli00850	merge type:	Basic	
motor count interval:	54	acquired on sol:	3503	focus merged on sol:	3503		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3503MH0007400031203692C00	3692	13850	7.94	-0.2	0.2	34.9	0.7	255	1
3503MH0007400031203693C00	3693	13904	7.52	-0.2	0.2	33.4	0.7	223	2
3503MH0007400031203694C00	3694	13958	7.13	-0.2	0.2	32.0	0.6	191	3
3503MH0007400031203695C00	3695	14012	6.77	-0.2	0.2	30.7	0.6	159	4
3503MH0007400031203696C00	3696	14066	6.43	-0.2	0.1	29.5	0.5	127	5
3503MH0007400031203697C00	3697	14120	6.12	-0.1	0.1	28.4	0.5	95	6
3503MH0007400031203698C00	3698	14174	5.83	-0.1	0.1	27.4	0.4	63	7
3503MH0007400031203699C00	3699	14228	5.55	-0.1	0.1	26.5	0.4	31	8

updated: 13_December_2022

Sol 3503 - MAHLI Onboard Focus Merge Product Information



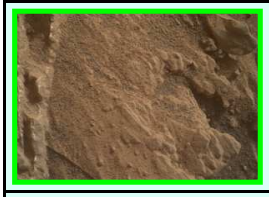

target Wandapa - mosaic position 2 of 3 - ~4 cm standoff

		CDPID	corresponding frame:	3503MH0007400011203701C00				
best focus image:	3503MH0008500001203766R00	3766	motor count:	14155	range (cm):	5.9		
range map product:	3503MH0008500001203767S00	3767	acquired sequence:	mhli00740	stack type:	Relative		
acquired on date:	14-Jun-22		merge sequence:	mhli00850	merge type:	Basic		
motor count interval:	54	acquired on sol:	3503	focus merged on sol:	3503			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3503MH0007400031203703C00	3703	13939	7.26	-0.2	0.2	32.5	0.6	255	1
3503MH0007400031203704C00	3704	13993	6.89	-0.2	0.2	31.2	0.6	223	2
3503MH0007400031203705C00	3705	14047	6.55	-0.2	0.1	29.9	0.5	191	3
3503MH0007400031203706C00	3706	14101	6.22	-0.1	0.1	28.8	0.5	159	4
3503MH0007400031203707C00	3707	14155	5.93	-0.1	0.1	27.8	0.5	127	5
3503MH0007400031203708C00	3708	14209	5.65	-0.1	0.1	26.8	0.4	95	6
3503MH0007400031203709C00	3709	14263	5.39	-0.1	0.1	25.9	0.4	63	7
3503MH0007400031203710C00	3710	14317	5.14	-0.1	0.1	25.0	0.4	31	8

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Sol 3503 - MAHLI Onboard Focus Merge Product Information



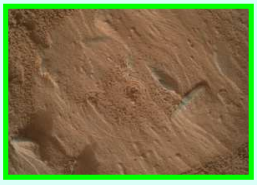

target Wandapa - mosaic position 3 of 3 - ~45 mm standoff

		CDPID	corresponding frame:	3503MH0007400011203712C00				
best focus image:	3503MH0008500001203764R00	3764	motor count:	14107	range (cm):	6.2		
range map product:	3503MH0008500001203765S00	3765	acquired sequence:	mhli00740	stack type:	Relative		
acquired on date:	14-Jun-22		merge sequence:	mhli00850	merge type:	Basic		
motor count interval:	54	acquired on sol:	3503	focus merged on sol:	3503			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3503MH0007400031203714C00	3714	13891	7.62	-0.2	0.2	33.7	0.7	255	1
3503MH0007400031203715C00	3715	13945	7.22	-0.2	0.2	32.3	0.6	223	2
3503MH0007400031203716C00	3716	13999	6.85	-0.2	0.2	31.0	0.6	191	3
3503MH0007400031203717C00	3717	14053	6.51	-0.2	0.1	29.8	0.5	159	4
3503MH0007400031203718C00	3718	14107	6.19	-0.1	0.1	28.7	0.5	127	5
3503MH0007400031203719C00	3719	14161	5.89	-0.1	0.1	27.6	0.4	95	6
3503MH0007400031203720C00	3720	14215	5.62	-0.1	0.1	26.7	0.4	63	7
3503MH0007400031203721C00	3721	14269	5.36	-0.1	0.1	25.8	0.4	31	8

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Sol 3503 - MAHLI Onboard Focus Merge Product Information




target Omai - after DRT - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3503MH0007230011203726C00			
best focus image:	3503MH0008500001203762R00		3762	motor count:	13995	range (cm):	6.9	
range map product:	3503MH0008500001203763S00		3763	acquired sequence:	mhli00723	stack type:	Relative	
acquired on date:	14-Jun-22			merge sequence:	mhli00850	merge type:	Basic	
motor count interval:	36	acquired on sol:	3503	focus merged on sol:	3503			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3503MH0007230031203728C00	3728	13851	7.94	-0.2	0.2	34.8	0.7	255	1
3503MH0007230031203729C00	3729	13887	7.65	-0.2	0.2	33.8	0.7	223	2
3503MH0007230031203730C00	3730	13923	7.38	-0.2	0.2	32.9	0.6	191	3
3503MH0007230031203731C00	3731	13959	7.12	-0.2	0.2	32.0	0.6	159	4
3503MH0007230031203732C00	3732	13995	6.88	-0.2	0.2	31.1	0.6	127	5
3503MH0007230031203733C00	3733	14031	6.64	-0.2	0.2	30.3	0.6	95	6
3503MH0007230031203734C00	3734	14067	6.42	-0.2	0.1	29.5	0.5	63	7
3503MH0007230031203735C00	3735	14103	6.21	-0.1	0.1	28.8	0.5	31	8

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Sol 3503 - MAHLI Onboard Focus Merge Product Information




target Omai - after DRT - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3503MH0007230011203737C00			
best focus image:	3503MH0008500001203760R00		3760	motor count:	13997	range (cm):	6.9	
range map product:	3503MH0008500001203761S00		3761	acquired sequence:	mhli00723	stack type:	Relative	
acquired on date:	14-Jun-22			merge sequence:	mhli00850	merge type:	Basic	
motor count interval:	36	acquired on sol:	3503	focus merged on sol:	3503			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3503MH0007230031203739C00	3739	13853	7.92	-0.2	0.2	34.8	0.7	255	1
3503MH0007230031203740C00	3740	13889	7.63	-0.2	0.2	33.8	0.7	223	2
3503MH0007230031203741C00	3741	13925	7.36	-0.2	0.2	32.8	0.6	191	3
3503MH0007230031203742C00	3742	13961	7.11	-0.2	0.2	31.9	0.6	159	4
3503MH0007230031203743C00	3743	13997	6.86	-0.2	0.2	31.1	0.6	127	5
3503MH0007230031203744C00	3744	14033	6.63	-0.2	0.2	30.2	0.6	95	6
3503MH0007230031203745C00	3745	14069	6.41	-0.2	0.1	29.5	0.5	63	7
3503MH0007230031203746C00	3746	14105	6.20	-0.1	0.1	28.7	0.5	31	8

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Sol 3503 - MAHLI Onboard Focus Merge Product Information




target Omai - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3503MH0006560011203748C00			
best focus image:	3503MH0008500001203758R00	3758	motor count:	14668	range (cm):	3.9	
range map product:	3503MH0008500001203759S00	3759	acquired sequence:	mhli00656	stack type:	Relative	
acquired on date:	14-Jun-22		merge sequence:	mhli00850	merge type:	Basic	
motor count interval:	60	acquired on sol:	3503	focus merged on sol:	3503		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3503MH0006560031203750C00	3750	14428	4.69	-0.1	0.1	23.4	0.3	255	1
3503MH0006560031203751C00	3751	14488	4.47	-0.1	0.1	22.6	0.3	223	2
3503MH0006560031203752C00	3752	14548	4.26	-0.1	0.1	21.9	0.3	191	3
3503MH0006560031203753C00	3753	14608	4.06	-0.1	0.1	21.2	0.3	159	4
3503MH0006560031203754C00	3754	14668	3.88	-0.1	0.1	20.5	0.3	127	5
3503MH0006560031203755C00	3755	14728	3.70	-0.1	0.1	19.9	0.3	95	6
3503MH0006560031203756C00	3756	14788	3.54	-0.1	0.1	19.4	0.3	63	7
3503MH0006560031203757C00	3757	14848	3.39	-0.1	0.1	18.8	0.2	31	8

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Sol 3505 - MAHLI Onboard Focus Merge Product Information





target Tipuru - ~23 cm standoff

			CDPID	corresponding frame:	3505MH0003590011203775C00			
best focus image:	3505MH0002580001203808R00		3808	motor count:	13046	range (cm):	24.9	
range map product:	3505MH0002580001203809S00		3809	acquired sequence:	mhli00359	stack type:	Relative	
acquired on date:	16-Jun-22			merge sequence:	mhli00258	merge type:	Basic	
motor count interval:	18	acquired on sol:	3505	focus merged on sol:	3505			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3505MH0003590021203776C00	3776	12974	29.40	-2.2	2.5	110.4	8.2	255	1
3505MH0003590021203777C00	3777	12992	28.13	-2.0	2.3	105.9	7.5	223	2
3505MH0003590021203778C00	3778	13010	26.95	-1.8	2.1	101.8	6.9	191	3
3505MH0003590021203779C00	3779	13028	25.87	-1.7	1.9	98.0	6.3	159	4
3505MH0003590021203780C00	3780	13046	24.86	-1.6	1.7	94.4	5.8	127	5
3505MH0003590021203781C00	3781	13064	23.92	-1.5	1.6	91.1	5.4	95	6
3505MH0003590021203782C00	3782	13082	23.04	-1.4	1.5	88.0	5.0	63	7
3505MH0003590021203783C00	3783	13100	22.22	-1.3	1.4	85.1	4.7	31	8

updated: 13_December_2022

Sol 3508 - MAHLI Onboard Focus Merge Product Information



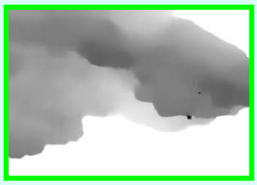

target Kukui - ~25 cm standoff

		CDPID	corresponding frame:	3508MH0007810011203811C00				
best focus image:	3508MH0001710001203905R00	3905	motor count:	13011	range (cm):	26.9		
range map product:	3508MH0001710001203906S00	3906	acquired sequence:	mhli00781	stack type:	Relative		
acquired on date:	19-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	30	acquired on sol:	3508	focus merged on sol:	3508			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3508MH0007810031203813C00	3813	12891	36.92	-3.3	4.0	136.9	13.0	255	1
3508MH0007810031203814C00	3814	12921	33.82	-2.8	3.4	126.0	10.9	223	2
3508MH0007810031203815C00	3815	12951	31.18	-2.4	2.8	116.6	9.2	191	3
3508MH0007810031203816C00	3816	12981	28.89	-2.1	2.4	108.6	7.9	159	4
3508MH0007810031203817C00	3817	13011	26.89	-1.8	2.1	101.6	6.8	127	5
3508MH0007810031203818C00	3818	13041	25.13	-1.6	1.8	95.4	6.0	95	6
3508MH0007810031203819C00	3819	13071	23.57	-1.4	1.6	89.9	5.2	63	7
3508MH0007810031203820C00	3820	13101	22.17	-1.3	1.4	85.0	4.6	31	8

updated: 13_December_2022

Sol 3508 - MAHLI Onboard Focus Merge Product Information

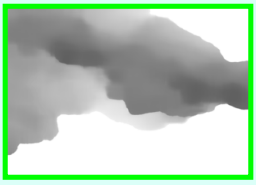
target Kukui - stereo-1 - ~9 cm standoff

		CDPID	corresponding frame:	3508MH0007980011203822C00				
best focus image:	3508MH0001710001203903R00	3903	motor count:	13579	range (cm):	10.7		
range map product:	3508MH0001710001203904S00	3904	acquired sequence:	mhli00798	stack type:	Relative		
acquired on date:	19-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	78	acquired on sol:	3508	focus merged on sol:	3508			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3508MH0007980031203824C00	3824	13267	16.52	-0.7	0.8	65.0	2.6	255	1
3508MH0007980031203825C00	3825	13345	14.66	-0.6	0.6	58.5	2.1	223	2
3508MH0007980031203826C00	3826	13423	13.12	-0.5	0.5	53.1	1.7	191	3
3508MH0007980031203827C00	3827	13501	11.83	-0.4	0.4	48.6	1.4	159	4
3508MH0007980031203828C00	3828	13579	10.74	-0.3	0.3	44.7	1.2	127	5
3508MH0007980031203829C00	3829	13657	9.80	-0.3	0.3	41.4	1.0	95	6
3508MH0007980031203830C00	3830	13735	8.98	-0.3	0.2	38.5	0.9	63	7
3508MH0007980031203831C00	3831	13813	8.25	-0.2	0.2	36.0	0.8	31	8

updated: 13_December_2022

Sol 3508 - MAHLI Onboard Focus Merge Product Information

target Kukui - stereo-2 - ~9 cm standoff

		CDPID	corresponding frame:	3508MH0007980011203833C00				
best focus image:	3508MH0001710001203901R00	3901	motor count:	13583	range (cm):	10.7		
range map product:	3508MH0001710001203902S00	3902	acquired sequence:	mhli00798	stack type:	Relative		
acquired on date:	19-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	78	acquired on sol:	3508	focus merged on sol:	3508			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3508MH0007980031203835C00	3835	13271	16.41	-0.7	0.7	64.7	2.6	255	1
3508MH0007980031203836C00	3836	13349	14.57	-0.6	0.6	58.2	2.0	223	2
3508MH0007980031203837C00	3837	13427	13.05	-0.5	0.5	52.8	1.7	191	3
3508MH0007980031203838C00	3838	13505	11.77	-0.4	0.4	48.3	1.4	159	4
3508MH0007980031203839C00	3839	13583	10.69	-0.3	0.3	44.5	1.1	127	5
3508MH0007980031203840C00	3840	13661	9.75	-0.3	0.3	41.2	1.0	95	6
3508MH0007980031203841C00	3841	13739	8.94	-0.3	0.2	38.4	0.9	63	7
3508MH0007980031203842C00	3842	13817	8.22	-0.2	0.2	35.8	0.8	31	8

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Sol 3508 - MAHLI Onboard Focus Merge Product Information




target Salto_Angel - stereo-1 - ~9 cm standoff

		CDPID	corresponding frame:	3508MH0008520011203847C00				
best focus image:	3508MH0001710001203899R00	3899	motor count:	13596	range (cm):	10.5		
range map product:	3508MH0001710001203900S00	3900	acquired sequence:	mhli00852	stack type:	Relative		
acquired on date:	19-Jun-22		merge sequence:	mhli00171	merge type:	Basic		
motor count interval:	30	acquired on sol:	3508	focus merged on sol:	3508			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3508MH0008520031203849C00	3849	13476	12.22	-0.4	0.4	49.9	1.5	255	1
3508MH0008520031203850C00	3850	13506	11.76	-0.4	0.4	48.3	1.4	223	2
3508MH0008520031203851C00	3851	13536	11.32	-0.4	0.4	46.8	1.3	191	3
3508MH0008520031203852C00	3852	13566	10.91	-0.4	0.3	45.3	1.2	159	4
3508MH0008520031203853C00	3853	13596	10.52	-0.3	0.3	43.9	1.1	127	5
3508MH0008520031203854C00	3854	13626	10.15	-0.3	0.3	42.6	1.1	95	6
3508MH0008520031203855C00	3855	13656	9.81	-0.3	0.3	41.4	1.0	63	7
3508MH0008520031203856C00	3856	13686	9.48	-0.3	0.3	40.3	0.9	31	8

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Sol 3508 - MAHLI Onboard Focus Merge Product Information




target Salto_Angel - stereo-2 - ~9 cm standoff

			CDPID	corresponding frame:	3508MH0008520011203858C00			
best focus image:	3508MH0001710001203897R00		3897	motor count:	13601	range (cm):	10.5	
range map product:	3508MH0001710001203898S00		3898	acquired sequence:	mhli00852	stack type:	Relative	
acquired on date:	19-Jun-22			merge sequence:	mhli00171	merge type:	Basic	
motor count interval:	30		acquired on sol:	3508	focus merged on sol:	3508		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3508MH0008520031203860C00	3860	13481	12.14	-0.4	0.4	49.7	1.5	255	1
3508MH0008520031203861C00	3861	13511	11.68	-0.4	0.4	48.0	1.4	223	2
3508MH0008520031203862C00	3862	13541	11.25	-0.4	0.4	46.5	1.3	191	3
3508MH0008520031203863C00	3863	13571	10.84	-0.3	0.3	45.1	1.2	159	4
3508MH0008520031203864C00	3864	13601	10.46	-0.3	0.3	43.7	1.1	127	5
3508MH0008520031203865C00	3865	13631	10.10	-0.3	0.3	42.4	1.0	95	6
3508MH0008520031203866C00	3866	13661	9.75	-0.3	0.3	41.2	1.0	63	7
3508MH0008520031203867C00	3867	13691	9.42	-0.3	0.3	40.1	0.9	31	8

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Sol 3508 - MAHLI Onboard Focus Merge Product Information



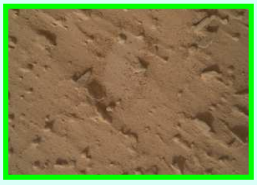
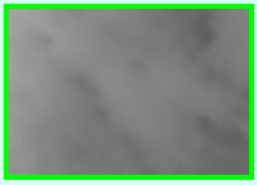

target Opadai - stereo-1 - ~9 cm standoff

			CDPID	corresponding frame:	3508MH0008510011203872C00			
best focus image:	3508MH0001710001203895R00		3895	motor count:	13572	range (cm):	10.8	
range map product:	3508MH0001710001203896S00		3896	acquired sequence:	mhli00851	stack type:	Relative	
acquired on date:	19-Jun-22			merge sequence:	mhli00171	merge type:	Basic	
motor count interval:	18		acquired on sol:	3508	focus merged on sol:	3508		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3508MH0008510031203874C00	3874	13500	11.85	-0.4	0.4	48.6	1.4	255	1
3508MH0008510031203875C00	3875	13518	11.58	-0.4	0.4	47.7	1.3	223	2
3508MH0008510031203876C00	3876	13536	11.32	-0.4	0.4	46.8	1.3	191	3
3508MH0008510031203877C00	3877	13554	11.07	-0.4	0.4	45.9	1.2	159	4
3508MH0008510031203878C00	3878	13572	10.83	-0.3	0.3	45.0	1.2	127	5
3508MH0008510031203879C00	3879	13590	10.60	-0.3	0.3	44.2	1.1	95	6
3508MH0008510031203880C00	3880	13608	10.37	-0.3	0.3	43.4	1.1	63	7
3508MH0008510031203881C00	3881	13626	10.15	-0.3	0.3	42.6	1.1	31	8

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Sol 3508 - MAHLI Onboard Focus Merge Product Information

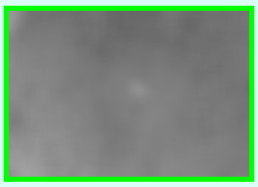
target Opadai - stereo-2 - ~9 cm standoff

			CDPID	corresponding frame:	3508MH0008510011203883C00			
best focus image:	3508MH0001710001203893R00		3893	motor count:	13571	range (cm):	10.8	
range map product:	3508MH0001710001203894S00		3894	acquired sequence:	mhli00851	stack type:	Relative	
acquired on date:	19-Jun-22			merge sequence:	mhli00171	merge type:	Basic	
motor count interval:	18	acquired on sol:	3508	focus merged on sol:	3508			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3508MH0008510031203885C00	3885	13499	11.87	-0.4	0.4	48.7	1.4	255	1
3508MH0008510031203886C00	3886	13517	11.60	-0.4	0.4	47.7	1.3	223	2
3508MH0008510031203887C00	3887	13535	11.34	-0.4	0.4	46.8	1.3	191	3
3508MH0008510031203888C00	3888	13553	11.09	-0.4	0.4	45.9	1.3	159	4
3508MH0008510031203889C00	3889	13571	10.84	-0.3	0.3	45.1	1.2	127	5
3508MH0008510031203890C00	3890	13589	10.61	-0.3	0.3	44.3	1.1	95	6
3508MH0008510031203891C00	3891	13607	10.38	-0.3	0.3	43.5	1.1	63	7
3508MH0008510031203892C00	3892	13625	10.17	-0.3	0.3	42.7	1.1	31	8

updated: 13_September_2022

Sol 3511 - MAHLI Onboard Focus Merge Product Information

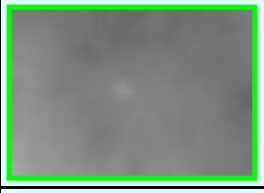
target Avanvero - after DRT - APXS spot 2 - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3511MH0001820011203914C00			
best focus image:	3511MH0001530001203961R00		3961	motor count:	14013	range (cm):	6.8	
range map product:	3511MH0001530001203962S00		3962	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	22-Jun-22			merge sequence:	mhli00153	merge type:	Basic	
motor count interval:	24		acquired on sol:	3511	focus merged on sol:	3511		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3511MH0001820021203915C00	3915	13917	7.42	-0.2	0.2	33.0	0.6	255	1
3511MH0001820021203916C00	3916	13941	7.25	-0.2	0.2	32.4	0.6	223	2
3511MH0001820021203917C00	3917	13965	7.08	-0.2	0.2	31.8	0.6	191	3
3511MH0001820021203918C00	3918	13989	6.92	-0.2	0.2	31.2	0.6	159	4
3511MH0001820021203919C00	3919	14013	6.76	-0.2	0.2	30.7	0.6	127	5
3511MH0001820021203920C00	3920	14037	6.61	-0.2	0.2	30.2	0.5	95	6
3511MH0001820021203921C00	3921	14061	6.46	-0.2	0.1	29.6	0.5	63	7
3511MH0001820021203922C00	3922	14085	6.32	-0.1	0.1	29.1	0.5	31	8

updated: 13_September_2022

Sol 3511 - MAHLI Onboard Focus Merge Product Information

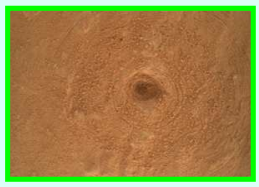
target Avanvero - after DRT - APXS spot 2 - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3511MH0001820011203924C00			
best focus image:	3511MH0001530001203959R00		3959	motor count:	14018	range (cm):	6.7	
range map product:	3511MH0001530001203960S00		3960	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	22-Jun-22			merge sequence:	mhli00153	merge type:	Basic	
motor count interval:	24		acquired on sol:	3511	focus merged on sol:	3511		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3511MH0001820021203925C00	3925	13922	7.39	-0.2	0.2	32.9	0.6	255	1
3511MH0001820021203926C00	3926	13946	7.21	-0.2	0.2	32.3	0.6	223	2
3511MH0001820021203927C00	3927	13970	7.05	-0.2	0.2	31.7	0.6	191	3
3511MH0001820021203928C00	3928	13994	6.88	-0.2	0.2	31.1	0.6	159	4
3511MH0001820021203929C00	3929	14018	6.73	-0.2	0.2	30.6	0.6	127	5
3511MH0001820021203930C00	3930	14042	6.58	-0.2	0.2	30.0	0.5	95	6
3511MH0001820021203931C00	3931	14066	6.43	-0.2	0.1	29.5	0.5	63	7
3511MH0001820021203932C00	3932	14090	6.29	-0.1	0.1	29.0	0.5	31	8

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Sol 3511 - MAHLI Onboard Focus Merge Product Information



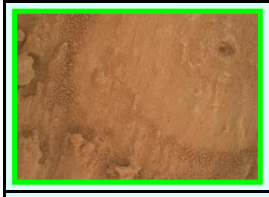
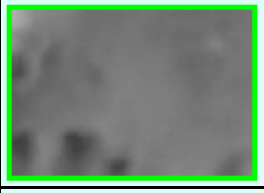

target Avanvero - after DRT - APXS spot 2 - ~1 cm standoff

		CDPID	corresponding frame:	3511MH0007960011203934C00				
best focus image:	3511MH0001530001203957R00	3957	motor count:	15137	range (cm):	2.8		
range map product:	3511MH0001530001203958S00	3958	acquired sequence:	mhli00796	stack type:	Relative		
acquired on date:	22-Jun-22		merge sequence:	mhli00153	merge type:	Basic		
motor count interval:	42	acquired on sol:	3511	focus merged on sol:	3511			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3511MH0007960021203935C00	3935	14969	3.11	-0.1	0.1	17.8	0.2	255	1
3511MH0007960021203936C00	3936	15011	3.02	-0.1	0.1	17.5	0.2	223	2
3511MH0007960021203937C00	3937	15053	2.93	-0.1	0.1	17.2	0.2	191	3
3511MH0007960021203938C00	3938	15095	2.84	-0.1	0.1	16.9	0.2	159	4
3511MH0007960021203939C00	3939	15137	2.76	-0.1	0.1	16.6	0.2	127	5
3511MH0007960021203940C00	3940	15179	2.69	-0.1	0.1	16.4	0.2	95	6
3511MH0007960021203941C00	3941	15221	2.61	-0.1	0.1	16.1	0.2	63	7
3511MH0007960021203942C00	3942	15263	2.54	-0.1	0.1	15.8	0.2	31	8

updated: 13_September_2022

Sol 3511 - MAHLI Onboard Focus Merge Product Information

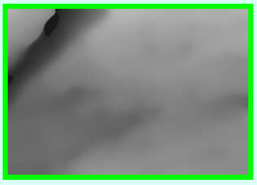
target Avanvero - after DRT - APXS spot 1 - ~5 cm standoff

		CDPID	corresponding frame:	3511MH0001820011203944C00				
best focus image:	3511MH0001530001203955R00	3955	motor count:	14004	range (cm):	6.8		
range map product:	3511MH0001530001203956S00	3956	acquired sequence:	mhli00182	stack type:	Relative		
acquired on date:	22-Jun-22		merge sequence:	mhli00153	merge type:	Basic		
motor count interval:	24	acquired on sol:	3511	focus merged on sol:	3511			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3511MH0001820021203945C00	3945	13908	7.49	-0.2	0.2	33.3	0.7	255	1
3511MH0001820021203946C00	3946	13932	7.31	-0.2	0.2	32.6	0.6	223	2
3511MH0001820021203947C00	3947	13956	7.14	-0.2	0.2	32.0	0.6	191	3
3511MH0001820021203948C00	3948	13980	6.98	-0.2	0.2	31.5	0.6	159	4
3511MH0001820021203949C00	3949	14004	6.82	-0.2	0.2	30.9	0.6	127	5
3511MH0001820021203950C00	3950	14028	6.66	-0.2	0.2	30.4	0.6	95	6
3511MH0001820021203951C00	3951	14052	6.51	-0.2	0.1	29.8	0.5	63	7
3511MH0001820021203952C00	3952	14076	6.37	-0.2	0.1	29.3	0.5	31	8

updated: 13_December_2022

Sol 3530 - MAHLI Onboard Focus Merge Product Information

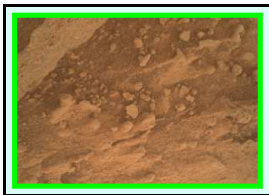
target La_Laja - stereo-1 - ~4 cm standoff

		CDPID	corresponding frame:	3530MH0003060011203976C00				
best focus image:	3530MH0002650001203997R00	3997	motor count:	14113	range (cm):	6.2		
range map product:	3530MH0002650001203998S00	3998	acquired sequence:	mhli00306	stack type:	Relative		
acquired on date:	12-Jul-22		merge sequence:	mhli00265	merge type:	Basic		
motor count interval:	54	acquired on sol:	3530	focus merged on sol:	3530			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3530MH0003060021203977C00	3977	13897	7.57	-0.2	0.2	33.6	0.7	255	1
3530MH0003060021203978C00	3978	13951	7.18	-0.2	0.2	32.2	0.6	223	2
3530MH0003060021203979C00	3979	14005	6.81	-0.2	0.2	30.9	0.6	191	3
3530MH0003060021203980C00	3980	14059	6.47	-0.2	0.1	29.7	0.5	159	4
3530MH0003060021203981C00	3981	14113	6.16	-0.1	0.1	28.6	0.5	127	5
3530MH0003060021203982C00	3982	14167	5.86	-0.1	0.1	27.5	0.4	95	6
3530MH0003060021203983C00	3983	14221	5.59	-0.1	0.1	26.6	0.4	63	7
3530MH0003060021203984C00	3984	14275	5.33	-0.1	0.1	25.7	0.4	31	8

updated: 13_December_2022

Sol 3530 - MAHLI Onboard Focus Merge Product Information



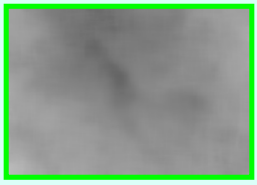

target La_Laja - stereo-2 - ~4 cm standoff

		CDPID	corresponding frame:	3530MH0003060011203986C00				
best focus image:	3530MH0002650001203995R00	3995	motor count:	14109	range (cm):	6.2		
range map product:	3530MH0002650001203996S00	3996	acquired sequence:	mhli00306	stack type:	Relative		
acquired on date:	12-Jul-22		merge sequence:	mhli00265	merge type:	Basic		
motor count interval:	54	acquired on sol:	3530	focus merged on sol:	3530			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3530MH0003060021203987C00	3987	13893	7.60	-0.2	0.2	33.7	0.7	255	1
3530MH0003060021203988C00	3988	13947	7.21	-0.2	0.2	32.3	0.6	223	2
3530MH0003060021203989C00	3989	14001	6.84	-0.2	0.2	31.0	0.6	191	3
3530MH0003060021203990C00	3990	14055	6.50	-0.2	0.1	29.8	0.5	159	4
3530MH0003060021203991C00	3991	14109	6.18	-0.1	0.1	28.7	0.5	127	5
3530MH0003060021203992C00	3992	14163	5.88	-0.1	0.1	27.6	0.4	95	6
3530MH0003060021203993C00	3993	14217	5.61	-0.1	0.1	26.6	0.4	63	7
3530MH0003060021203994C00	3994	14271	5.35	-0.1	0.1	25.7	0.4	31	8

updated: 13_December_2022

Sol 3531 - MAHLI Onboard Focus Merge Product Information

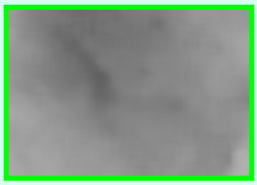
target Uai_Uai - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3531MH0001680011204002C00			
best focus image:	3531MH0001930001204035R00		4035	motor count:	14020	range (cm):	6.7	
range map product:	3531MH0001930001204036S00		4036	acquired sequence:	mhli00168	stack type:	Relative	
acquired on date:	13-Jul-22			merge sequence:	mhli00193	merge type:	Basic	
motor count interval:	18	acquired on sol:	3531	focus merged on sol:	3531			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3531MH0001680021204003C00	4003	13948	7.20	-0.2	0.2	32.2	0.6	255	1
3531MH0001680021204004C00	4004	13966	7.07	-0.2	0.2	31.8	0.6	223	2
3531MH0001680021204005C00	4005	13984	6.95	-0.2	0.2	31.4	0.6	191	3
3531MH0001680021204006C00	4006	14002	6.83	-0.2	0.2	30.9	0.6	159	4
3531MH0001680021204007C00	4007	14020	6.71	-0.2	0.2	30.5	0.6	127	5
3531MH0001680021204008C00	4008	14038	6.60	-0.2	0.2	30.1	0.5	95	6
3531MH0001680021204009C00	4009	14056	6.49	-0.2	0.1	29.7	0.5	63	7
3531MH0001680021204010C00	4010	14074	6.38	-0.2	0.1	29.4	0.5	31	8

updated: 13_December_2022

Sol 3531 - MAHLI Onboard Focus Merge Product Information

target Uai_Uai - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3531MH0001680011204012C00			
best focus image:	3531MH0001930001204033R00		4033	motor count:	14018	range (cm):	6.7	
range map product:	3531MH0001930001204034S00		4034	acquired sequence:	mhli00168	stack type:	Relative	
acquired on date:	13-Jul-22			merge sequence:	mhli00193	merge type:	Basic	
motor count interval:	18	acquired on sol:	3531	focus merged on sol:	3531			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3531MH0001680021204013C00	4013	13946	7.21	-0.2	0.2	32.3	0.6	255	1
3531MH0001680021204014C00	4014	13964	7.09	-0.2	0.2	31.8	0.6	223	2
3531MH0001680021204015C00	4015	13982	6.96	-0.2	0.2	31.4	0.6	191	3
3531MH0001680021204016C00	4016	14000	6.84	-0.2	0.2	31.0	0.6	159	4
3531MH0001680021204017C00	4017	14018	6.73	-0.2	0.2	30.6	0.6	127	5
3531MH0001680021204018C00	4018	14036	6.61	-0.2	0.2	30.2	0.5	95	6
3531MH0001680021204019C00	4019	14054	6.50	-0.2	0.1	29.8	0.5	63	7
3531MH0001680021204020C00	4020	14072	6.39	-0.2	0.1	29.4	0.5	31	8

updated: 13_December_2022

Sol 3531 - MAHLI Onboard Focus Merge Product Information




target Uai_Uai - ~1 cm standoff

		CDPID	corresponding frame:	3531MH0007430011204022C00			
best focus image:	3531MH0001930001204031R00	4031	motor count:	15190	range (cm):	2.7	
range map product:	3531MH0001930001204032S00	4032	acquired sequence:	mhli00743	stack type:	Relative	
acquired on date:	13-Jul-22		merge sequence:	mhli00193	merge type:	Basic	
motor count interval:	36	acquired on sol:	3531	focus merged on sol:	3531		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3531MH0007430021204023C00	4023	15046	2.94	-0.1	0.1	17.3	0.2	255	1
3531MH0007430021204024C00	4024	15082	2.87	-0.1	0.1	17.0	0.2	223	2
3531MH0007430021204025C00	4025	15118	2.80	-0.1	0.1	16.8	0.2	191	3
3531MH0007430021204026C00	4026	15154	2.73	-0.1	0.1	16.5	0.2	159	4
3531MH0007430021204027C00	4027	15190	2.67	-0.1	0.1	16.3	0.2	127	5
3531MH0007430021204028C00	4028	15226	2.60	-0.1	0.1	16.1	0.2	95	6
3531MH0007430021204029C00	4029	15262	2.54	-0.1	0.1	15.8	0.2	63	7
3531MH0007430021204030C00	4030	15298	2.48	0.0	0.1	15.6	0.2	31	8

updated: 13_December_2022

Sol 3532 - MAHLI Onboard Focus Merge Product Information




target Seringa - after DRT - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3532MH0008340011204041C00				
best focus image:	3533MH0001700001204148R00	4148	motor count:	13999	range (cm):	6.9		
range map product:	3533MH0001700001204149S00	4149	acquired sequence:	mhli00834	stack type:	Relative		
acquired on date:	14-Jul-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	18	acquired on sol:	3532	focus merged on sol:	3533			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3532MH0008340031204043C00	4043	13927	7.35	-0.2	0.2	32.8	0.6	255	1
3532MH0008340031204044C00	4044	13945	7.22	-0.2	0.2	32.3	0.6	223	2
3532MH0008340031204045C00	4045	13963	7.09	-0.2	0.2	31.9	0.6	191	3
3532MH0008340031204046C00	4046	13981	6.97	-0.2	0.2	31.4	0.6	159	4
3532MH0008340031204047C00	4047	13999	6.85	-0.2	0.2	31.0	0.6	127	5
3532MH0008340031204048C00	4048	14017	6.73	-0.2	0.2	30.6	0.6	95	6
3532MH0008340031204049C00	4049	14035	6.62	-0.2	0.2	30.2	0.6	63	7
3532MH0008340031204050C00	4050	14053	6.51	-0.2	0.1	29.8	0.5	31	8

updated: 13_December_2022

Sol 3532 - MAHLI Onboard Focus Merge Product Information




target Seringa - after DRT - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3532MH0008340011204052C00				
best focus image:	3533MH0001700001204146R00	4146	motor count:	14002	range (cm):	6.8		
range map product:	3533MH0001700001204147S00	4147	acquired sequence:	mhli00834	stack type:	Relative		
acquired on date:	14-Jul-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	18	acquired on sol:	3532	focus merged on sol:	3533			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3532MH0008340031204054C00	4054	13930	7.33	-0.2	0.2	32.7	0.6	255	1
3532MH0008340031204055C00	4055	13948	7.20	-0.2	0.2	32.2	0.6	223	2
3532MH0008340031204056C00	4056	13966	7.07	-0.2	0.2	31.8	0.6	191	3
3532MH0008340031204057C00	4057	13984	6.95	-0.2	0.2	31.4	0.6	159	4
3532MH0008340031204058C00	4058	14002	6.83	-0.2	0.2	30.9	0.6	127	5
3532MH0008340031204059C00	4059	14020	6.71	-0.2	0.2	30.5	0.6	95	6
3532MH0008340031204060C00	4060	14038	6.60	-0.2	0.2	30.1	0.5	63	7
3532MH0008340031204061C00	4061	14056	6.49	-0.2	0.1	29.7	0.5	31	8

updated: 13_December_2022

Sol 3532 - MAHLI Onboard Focus Merge Product Information



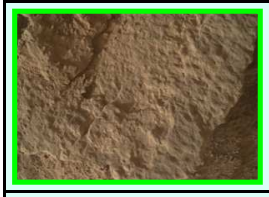
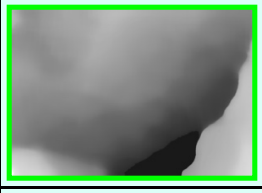

target Seringa - after DRT - ~2 cm standoff

		CDPID	corresponding frame:	3532MH0008130011204063C00			
best focus image:	3533MH0001700001204144R00	4144	motor count:	14688	range (cm):	3.8	
range map product:	3533MH0001700001204145S00	4145	acquired sequence:	mhli00813	stack type:	Relative	
acquired on date:	14-Jul-22		merge sequence:	mhli00170	merge type:	Basic	
motor count interval:	30	acquired on sol:	3532	focus merged on sol:	3533		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3532MH0008130031204065C00	4065	14568	4.19	-0.1	0.1	21.6	0.3	255	1
3532MH0008130031204066C00	4066	14598	4.09	-0.1	0.1	21.3	0.3	223	2
3532MH0008130031204067C00	4067	14628	4.00	-0.1	0.1	21.0	0.3	191	3
3532MH0008130031204068C00	4068	14658	3.91	-0.1	0.1	20.7	0.3	159	4
3532MH0008130031204069C00	4069	14688	3.82	-0.1	0.1	20.3	0.3	127	5
3532MH0008130031204070C00	4070	14718	3.73	-0.1	0.1	20.0	0.3	95	6
3532MH0008130031204071C00	4071	14748	3.65	-0.1	0.1	19.7	0.3	63	7
3532MH0008130031204072C00	4072	14778	3.57	-0.1	0.1	19.5	0.3	31	8

updated: 13_December_2022

Sol 3532 - MAHLI Onboard Focus Merge Product Information

target La_Manare - stereo-1 - ~55 mm standoff

		CDPID	corresponding frame:	3532MH0007230011204077C00			
best focus image:	3533MH0001700001204142R00	4142	motor count:	13896	range (cm):	7.6	
range map product:	3533MH0001700001204143S00	4143	acquired sequence:	mhli00723	stack type:	Relative	
acquired on date:	14-Jul-22		merge sequence:	mhli00170	merge type:	Basic	
motor count interval:	36	acquired on sol:	3532	focus merged on sol:	3533		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3532MH0007230031204079C00	4079	13752	8.81	-0.2	0.2	37.9	0.8	255	1
3532MH0007230031204080C00	4080	13788	8.48	-0.2	0.2	36.7	0.8	223	2
3532MH0007230031204081C00	4081	13824	8.16	-0.2	0.2	35.6	0.7	191	3
3532MH0007230031204082C00	4082	13860	7.86	-0.2	0.2	34.6	0.7	159	4
3532MH0007230031204083C00	4083	13896	7.58	-0.2	0.2	33.6	0.7	127	5
3532MH0007230031204084C00	4084	13932	7.31	-0.2	0.2	32.6	0.6	95	6
3532MH0007230031204085C00	4085	13968	7.06	-0.2	0.2	31.7	0.6	63	7
3532MH0007230031204086C00	4086	14004	6.82	-0.2	0.2	30.9	0.6	31	8

updated: 13_December_2022

Sol 3532 - MAHLI Onboard Focus Merge Product Information



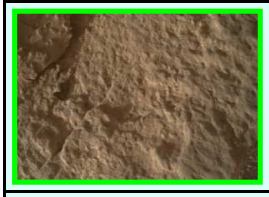
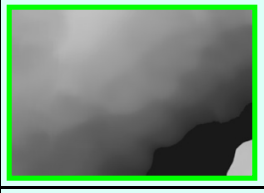

target La_Manare - stereo-2 - ~55 mm standoff

		CDPID	corresponding frame:	3532MH0007230011204088C00				
best focus image:	3533MH0001700001204140R00	4140	motor count:	13912	range (cm):	7.5		
range map product:	3533MH0001700001204140R00	4141	acquired sequence:	mhli00723	stack type:	Relative		
acquired on date:	14-Jul-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	36	acquired on sol:	3532	focus merged on sol:	3533			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3532MH0007230031204090C00	4090	13768	8.66	-0.2	0.2	37.4	0.8	255	1
3532MH0007230031204091C00	4091	13804	8.33	-0.2	0.2	36.2	0.8	223	2
3532MH0007230031204092C00	4092	13840	8.03	-0.2	0.2	35.2	0.7	191	3
3532MH0007230031204093C00	4093	13876	7.74	-0.2	0.2	34.1	0.7	159	4
3532MH0007230031204094C00	4094	13912	7.46	-0.2	0.2	33.2	0.7	127	5
3532MH0007230031204095C00	4095	13948	7.20	-0.2	0.2	32.2	0.6	95	6
3532MH0007230031204096C00	4096	13984	6.95	-0.2	0.2	31.4	0.6	63	7
3532MH0007230031204097C00	4097	14020	6.71	-0.2	0.2	30.5	0.6	31	8

updated: 13_December_2022

Sol 3532 - MAHLI Onboard Focus Merge Product Information

target La_Manare - ~25 mm standoff

		CDPID	corresponding frame:	3532MH0008000011204099C00				
best focus image:	3533MH0001700001204138R00	4138	motor count:	14459	range (cm):	4.6		
range map product:	3533MH0001700001204139S00	4139	acquired sequence:	mhli00800	stack type:	Relative		
acquired on date:	14-Jul-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	54	acquired on sol:	3532	focus merged on sol:	3533			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3532MH0008000031204101C00	4101	14243	5.48	-0.1	0.1	26.2	0.4	255	1
3532MH0008000031204102C00	4102	14297	5.23	-0.1	0.1	25.3	0.4	223	2
3532MH0008000031204103C00	4103	14351	5.00	-0.1	0.1	24.5	0.4	191	3
3532MH0008000031204104C00	4104	14405	4.78	-0.1	0.1	23.7	0.3	159	4
3532MH0008000031204105C00	4105	14459	4.57	-0.1	0.1	23.0	0.3	127	5
3532MH0008000031204106C00	4106	14513	4.38	-0.1	0.1	22.3	0.3	95	6
3532MH0008000031204107C00	4107	14567	4.19	-0.1	0.1	21.7	0.3	63	7
3532MH0008000031204108C00	4108	14621	4.02	-0.1	0.1	21.1	0.3	31	8

updated: 13_December_2022

Sol 3532 - MAHLI Onboard Focus Merge Product Information



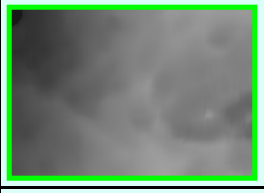

target Caruai - stereo-1 - ~35 mm standoff

		CDPID	corresponding frame:	3532MH0007090011204113C00				
best focus image:	3533MH0001700001204136R00	4136	motor count:	14255	range (cm):	5.4		
range map product:	3533MH0001700001204137S00	4137	acquired sequence:	mhli00709	stack type:	Relative		
acquired on date:	14-Jul-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	48	acquired on sol:	3532	focus merged on sol:	3533			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3532MH0007090031204115C00	4115	14063	6.45	-0.2	0.1	29.6	0.5	255	1
3532MH0007090031204116C00	4116	14111	6.17	-0.1	0.1	28.6	0.5	223	2
3532MH0007090031204117C00	4117	14159	5.91	-0.1	0.1	27.7	0.4	191	3
3532MH0007090031204118C00	4118	14207	5.66	-0.1	0.1	26.8	0.4	159	4
3532MH0007090031204119C00	4119	14255	5.42	-0.1	0.1	26.0	0.4	127	5
3532MH0007090031204120C00	4120	14303	5.21	-0.1	0.1	25.2	0.4	95	6
3532MH0007090031204121C00	4121	14351	5.00	-0.1	0.1	24.5	0.4	63	7
3532MH0007090031204122C00	4122	14399	4.80	-0.1	0.1	23.8	0.4	31	8

updated: 13_December_2022

Sol 3532 - MAHLI Onboard Focus Merge Product Information

target Caruai - stereo-2 - ~35 mm standoff

		CDPID	corresponding frame:	3532MH0007090011204124C00				
best focus image:	3533MH0001700001204134R00	4134	motor count:	14244	range (cm):	5.5		
range map product:	3533MH0001700001204135S00	4135	acquired sequence:	mhli00709	stack type:	Relative		
acquired on date:	14-Jul-22		merge sequence:	mhli00170	merge type:	Basic		
motor count interval:	48	acquired on sol:	3532	focus merged on sol:	3533			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3532MH0007090031204126C00	4126	14052	6.51	-0.2	0.1	29.8	0.5	255	1
3532MH0007090031204127C00	4127	14100	6.23	-0.1	0.1	28.8	0.5	223	2
3532MH0007090031204128C00	4128	14148	5.96	-0.1	0.1	27.9	0.5	191	3
3532MH0007090031204129C00	4129	14196	5.71	-0.1	0.1	27.0	0.4	159	4
3532MH0007090031204130C00	4130	14244	5.48	-0.1	0.1	26.2	0.4	127	5
3532MH0007090031204131C00	4131	14292	5.25	-0.1	0.1	25.4	0.4	95	6
3532MH0007090031204132C00	4132	14340	5.04	-0.1	0.1	24.7	0.4	63	7
3532MH0007090031204133C00	4133	14388	4.85	-0.1	0.1	24.0	0.4	31	8

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Sol 3534 - MAHLI Onboard Focus Merge Product Information




target Monte_Caburai- APXS spot 2 - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3534MH0002990011204153C00			
best focus image:	3536MH0003690001204275R00		4275	motor count:	13982	range (cm):	7.0	
range map product:	3536MH0003690001204276S00		4276	acquired sequence:	mhli00299	stack type:	Relative	
acquired on date:	16-Jul-22			merge sequence:	mhli00369	merge type:	Basic	
motor count interval:	36	acquired on sol:	3534	focus merged on sol:	3536			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0002990021204154C00	4154	13838	8.04	-0.2	0.2	35.2	0.7	255	1
3534MH0002990021204155C00	4155	13874	7.75	-0.2	0.2	34.2	0.7	223	2
3534MH0002990021204156C00	4156	13910	7.47	-0.2	0.2	33.2	0.7	191	3
3534MH0002990021204157C00	4157	13946	7.21	-0.2	0.2	32.3	0.6	159	4
3534MH0002990021204158C00	4158	13982	6.96	-0.2	0.2	31.4	0.6	127	5
3534MH0002990021204159C00	4159	14018	6.73	-0.2	0.2	30.6	0.6	95	6
3534MH0002990021204160C00	4160	14054	6.50	-0.2	0.1	29.8	0.5	63	7
3534MH0002990021204161C00	4161	14090	6.29	-0.1	0.1	29.0	0.5	31	8

updated: 13_December_2022

Sol 3534 - MAHLI Onboard Focus Merge Product Information



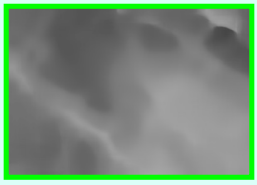

target Monte_Caburai- APXS spot 2 - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3534MH0002990011204163C00			
best focus image:	3536MH0003690001204273R00		4273	motor count:	13978	range (cm):	7.0	
range map product:	3536MH0003690001204274S00		4274	acquired sequence:	mhli00299	stack type:	Relative	
acquired on date:	16-Jul-22			merge sequence:	mhli00369	merge type:	Basic	
motor count interval:	36	acquired on sol:	3534	focus merged on sol:	3536			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0002990021204164C00	4164	13834	8.08	-0.2	0.2	35.3	0.7	255	1
3534MH0002990021204165C00	4165	13870	7.78	-0.2	0.2	34.3	0.7	223	2
3534MH0002990021204166C00	4166	13906	7.50	-0.2	0.2	33.3	0.7	191	3
3534MH0002990021204167C00	4167	13942	7.24	-0.2	0.2	32.4	0.6	159	4
3534MH0002990021204168C00	4168	13978	6.99	-0.2	0.2	31.5	0.6	127	5
3534MH0002990021204169C00	4169	14014	6.75	-0.2	0.2	30.7	0.6	95	6
3534MH0002990021204170C00	4170	14050	6.53	-0.2	0.1	29.9	0.5	63	7
3534MH0002990021204171C00	4171	14086	6.31	-0.1	0.1	29.1	0.5	31	8

updated: 13_December_2022

Sol 3534 - MAHLI Onboard Focus Merge Product Information

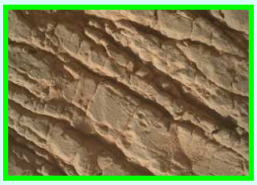
target Monte_Caburai- APXS spot 2 - ~1 cm standoff

		CDPID	corresponding frame:	3534MH0004190011204173C00				
best focus image:	3536MH0003690001204271R00	4271	motor count:	15026	range (cm):	3.0		
range map product:	3536MH0003690001204272S00	4272	acquired sequence:	mhli00419	stack type:	Relative		
acquired on date:	16-Jul-22		merge sequence:	mhli00369	merge type:	Basic		
motor count interval:	72	acquired on sol:	3534	focus merged on sol:	3536			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0004190021204174C00	4174	14738	3.68	-0.1	0.1	19.8	0.3	255	1
3534MH0004190021204175C00	4175	14810	3.48	-0.1	0.1	19.2	0.3	223	2
3534MH0004190021204176C00	4176	14882	3.31	-0.1	0.1	18.5	0.2	191	3
3534MH0004190021204177C00	4177	14954	3.14	-0.1	0.1	18.0	0.2	159	4
3534MH0004190021204178C00	4178	15026	2.98	-0.1	0.1	17.4	0.2	127	5
3534MH0004190021204179C00	4179	15098	2.84	-0.1	0.1	16.9	0.2	95	6
3534MH0004190021204180C00	4180	15170	2.70	-0.1	0.1	16.4	0.2	63	7
3534MH0004190021204181C00	4181	15242	2.57	-0.1	0.1	16.0	0.2	31	8

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Sol 3534 - MAHLI Onboard Focus Merge Product Information



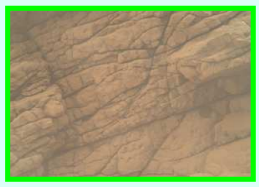
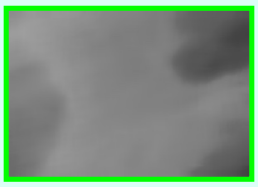

target Monte_Caburai- APXS spot 1 - ~5 cm standoff

		CDPID	corresponding frame:	3534MH0002990011204183C00				
best focus image:	3536MH0003690001204269R00	4269	motor count:	13992	range (cm):	6.9		
range map product:	3536MH0003690001204270S00	4270	acquired sequence:	mhli00299	stack type:	Relative		
acquired on date:	16-Jul-22		merge sequence:	mhli00369	merge type:	Basic		
motor count interval:	36	acquired on sol:	3534	focus merged on sol:	3536			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0002990021204184C00	4184	13848	7.96	-0.2	0.2	34.9	0.7	255	1
3534MH0002990021204185C00	4185	13884	7.67	-0.2	0.2	33.9	0.7	223	2
3534MH0002990021204186C00	4186	13920	7.40	-0.2	0.2	32.9	0.6	191	3
3534MH0002990021204187C00	4187	13956	7.14	-0.2	0.2	32.0	0.6	159	4
3534MH0002990021204188C00	4188	13992	6.90	-0.2	0.2	31.2	0.6	127	5
3534MH0002990021204189C00	4189	14028	6.66	-0.2	0.2	30.4	0.6	95	6
3534MH0002990021204190C00	4190	14064	6.44	-0.2	0.1	29.6	0.5	63	7
3534MH0002990021204191C00	4191	14100	6.23	-0.1	0.1	28.8	0.5	31	8

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Sol 3534 - MAHLI Onboard Focus Merge Product Information

target Ilha_Novo_Destino - mosaic position 1 of 6 - ~31 cm standoff

		CDPID	corresponding frame:	3534MH0008530011204193C00			
best focus image:	3536MH0003690001204267R00	4267	motor count:	12927	range (cm):	33.3	
range map product:	3536MH0003690001204268S00	4268	acquired sequence:	mhli00853	stack type:	Relative	
acquired on date:	16-Jul-22		merge sequence:	mhli00369	merge type:	Basic	
motor count interval:	54	acquired on sol:	3534	focus merged on sol:	3536		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0008530021204194C00	4194	12711	78.38	-13.7	21.5	282.8	61.9	255	1
3534MH0008530021204195C00	4195	12765	58.95	-8.1	11.3	214.4	34.0	223	2
3534MH0008530021204196C00	4196	12819	47.07	-5.3	6.8	172.6	21.4	191	3
3534MH0008530021204197C00	4197	12873	39.05	-3.7	4.6	144.4	14.6	159	4
3534MH0008530021204198C00	4198	12927	33.26	-2.7	3.2	124.0	10.5	127	5
3534MH0008530021204199C00	4199	12981	28.89	-2.1	2.4	108.6	7.9	95	6
3534MH0008530021204200C00	4200	13035	25.47	-1.6	1.8	96.5	6.1	63	7
3534MH0008530021204201C00	4201	13089	22.71	-1.3	1.4	86.9	4.9	31	8

updated: 13_December_2022

Sol 3534 - MAHLI Onboard Focus Merge Product Information



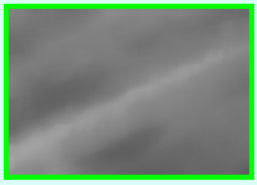

target Ilha_Novo_Destino - mosaic position 2 of 6 - ~21 cm standoff

		CDPID	corresponding frame:	3534MH0008530011204203C00			
best focus image:	3536MH0003690001204265R00	4265	motor count:	13087	range (cm):	22.8	
range map product:	3536MH0003690001204266S00	4266	acquired sequence:	mhli00853	stack type:	Relative	
acquired on date:	16-Jul-22		merge sequence:	mhli00369	merge type:	Basic	
motor count interval:	54	acquired on sol:	3534	focus merged on sol:	3536		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0008530021204204C00	4204	12871	39.30	-3.8	4.6	145.2	14.7	255	1
3534MH0008530021204205C00	4205	12925	33.45	-2.8	3.3	124.6	10.6	223	2
3534MH0008530021204206C00	4206	12979	29.03	-2.1	2.4	109.1	8.0	191	3
3534MH0008530021204207C00	4207	13033	25.58	-1.7	1.9	96.9	6.2	159	4
3534MH0008530021204208C00	4208	13087	22.81	-1.3	1.5	87.2	4.9	127	5
3534MH0008530021204209C00	4209	13141	20.53	-1.1	1.2	79.2	4.0	95	6
3534MH0008530021204210C00	4210	13195	18.62	-0.9	1.0	72.4	3.3	63	7
3534MH0008530021204211C00	4211	13249	17.00	-0.8	0.8	66.8	2.8	31	8

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Sol 3534 - MAHLI Onboard Focus Merge Product Information

target Ilha_Novo_Destino - mosaic position 3 of 6 - ~18 cm standoff

		CDPID	corresponding frame:	3534MH0008530011204213C00				
best focus image:	3536MH0003690001204263R00	4263	motor count:	13151	range (cm):	20.1		
range map product:	3536MH0003690001204264S00	4264	acquired sequence:	mhli00853	stack type:	Relative		
acquired on date:	16-Jul-22		merge sequence:	mhli00369	merge type:	Basic		
motor count interval:	54	acquired on sol:	3534	focus merged on sol:	3536			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0008530021204214C00	4214	12935	32.54	-2.6	3.1	121.4	10.0	255	1
3534MH0008530021204215C00	4215	12989	28.33	-2.0	2.3	106.6	7.6	223	2
3534MH0008530021204216C00	4216	13043	25.02	-1.6	1.8	95.0	5.9	191	3
3534MH0008530021204217C00	4217	13097	22.35	-1.3	1.4	85.6	4.7	159	4
3534MH0008530021204218C00	4218	13151	20.15	-1.1	1.1	77.8	3.8	127	5
3534MH0008530021204219C00	4219	13205	18.30	-0.9	0.9	71.3	3.2	95	6
3534MH0008530021204220C00	4220	13259	16.73	-0.7	0.8	65.8	2.7	63	7
3534MH0008530021204221C00	4221	13313	15.37	-0.6	0.7	61.0	2.3	31	8

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Sol 3534 - MAHLI Onboard Focus Merge Product Information



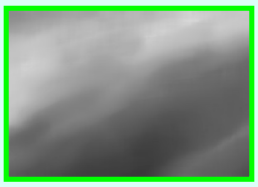

target Ilha_Novo_Destino - mosaic position 4 of 6 - ~17 cm standoff

		CDPID	corresponding frame:	3534MH0008530011204223C00				
best focus image:	3536MH0003690001204261R00	4261	motor count:	13171	range (cm):	19.4		
range map product:	3536MH0003690001204262S00	4262	acquired sequence:	mhli00853	stack type:	Relative		
acquired on date:	16-Jul-22		merge sequence:	mhli00369	merge type:	Basic		
motor count interval:	54	acquired on sol:	3534	focus merged on sol:	3536			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0008530021204224C00	4224	12955	30.85	-2.4	2.8	115.5	9.0	255	1
3534MH0008530021204225C00	4225	13009	27.02	-1.8	2.1	102.0	6.9	223	2
3534MH0008530021204226C00	4226	13063	23.97	-1.5	1.6	91.3	5.4	191	3
3534MH0008530021204227C00	4227	13117	21.49	-1.2	1.3	82.5	4.4	159	4
3534MH0008530021204228C00	4228	13171	19.43	-1.0	1.0	75.3	3.6	127	5
3534MH0008530021204229C00	4229	13225	17.69	-0.8	0.9	69.2	3.0	95	6
3534MH0008530021204230C00	4230	13279	16.20	-0.7	0.7	63.9	2.5	63	7
3534MH0008530021204231C00	4231	13333	14.92	-0.6	0.6	59.4	2.1	31	8

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Sol 3534 - MAHLI Onboard Focus Merge Product Information

target Ilha_Novo_Destino - mosaic position 5 of 6 - ~23 cm standoff

		CDPID	corresponding frame:	3534MH0008530011204233C00			
best focus image:	3536MH0003690001204259R00	4259	motor count:	13039	range (cm):	25.2	
range map product:	3536MH0003690001204260S00	4260	acquired sequence:	mhli00853	stack type:	Relative	
acquired on date:	16-Jul-22		merge sequence:	mhli00369	merge type:	Basic	
motor count interval:	54	acquired on sol:	3534	focus merged on sol:	3536		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0008530021204234C00	4234	12823	46.37	-5.1	6.6	170.1	20.7	255	1
3534MH0008530021204235C00	4235	12877	38.56	-3.6	4.4	142.6	14.2	223	2
3534MH0008530021204236C00	4236	12931	32.90	-2.7	3.2	122.7	10.3	191	3
3534MH0008530021204237C00	4237	12985	28.61	-2.1	2.3	107.6	7.7	159	4
3534MH0008530021204238C00	4238	13039	25.24	-1.6	1.8	95.8	6.0	127	5
3534MH0008530021204239C00	4239	13093	22.53	-1.3	1.4	86.2	4.8	95	6
3534MH0008530021204240C00	4240	13147	20.30	-1.1	1.1	78.4	3.9	63	7
3534MH0008530021204241C00	4241	13201	18.43	-0.9	0.9	71.8	3.2	31	8

updated: 13_December_2022

Sol 3534 - MAHLI Onboard Focus Merge Product Information




target Ilha_Novo_Destino - mosaic position 6 of 6 - ~25 cm standoff

		CDPID	corresponding frame:	3534MH0008530011204243C00			
best focus image:	3536MH0003690001204257R00	4257	motor count:	13005	range (cm):	27.3	
range map product:	3536MH0003690001204258S00	4258	acquired sequence:	mhli00853	stack type:	Relative	
acquired on date:	16-Jul-22		merge sequence:	mhli00369	merge type:	Basic	
motor count interval:	54	acquired on sol:	3534	focus merged on sol:	3536		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3534MH0008530021204244C00	4244	12789	53.04	-6.6	8.9	193.6	27.3	255	1
3534MH0008530021204245C00	4245	12843	43.15	-4.5	5.7	158.8	17.9	223	2
3534MH0008530021204246C00	4246	12897	36.26	-3.2	3.9	134.5	12.5	191	3
3534MH0008530021204247C00	4247	12951	31.18	-2.4	2.8	116.6	9.2	159	4
3534MH0008530021204248C00	4248	13005	27.27	-1.9	2.1	102.9	7.0	127	5
3534MH0008530021204249C00	4249	13059	24.17	-1.5	1.6	92.0	5.5	95	6
3534MH0008530021204250C00	4250	13113	21.66	-1.2	1.3	83.1	4.4	63	7
3534MH0008530021204251C00	4251	13167	19.57	-1.0	1.1	75.8	3.6	31	8

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Sol 3537 - MAHLI Onboard Focus Merge Product Information



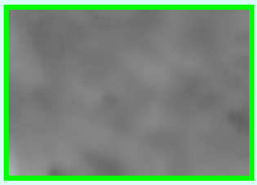

target Cerro_Raya - stereo-1 - ~4 cm standoff

		CDPID	corresponding frame:	3537MH0001820011204280C00				
best focus image:	3537MH0002650001204301R00	4301	motor count:	14192	range (cm):	5.7		
range map product:	3537MH0002650001204302S00	4302	acquired sequence:	mhli00182	stack type:	Relative		
acquired on date:	19-Jul-22		merge sequence:	mhli00265	merge type:	Basic		
motor count interval:	24	acquired on sol:	3537	focus merged on sol:	3537			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3537MH0001820021204281C00	4281	14096	6.25	-0.1	0.1	28.9	0.5	255	1
3537MH0001820021204282C00	4282	14120	6.12	-0.1	0.1	28.4	0.5	223	2
3537MH0001820021204283C00	4283	14144	5.99	-0.1	0.1	28.0	0.5	191	3
3537MH0001820021204284C00	4284	14168	5.86	-0.1	0.1	27.5	0.4	159	4
3537MH0001820021204285C00	4285	14192	5.73	-0.1	0.1	27.1	0.4	127	5
3537MH0001820021204286C00	4286	14216	5.61	-0.1	0.1	26.7	0.4	95	6
3537MH0001820021204287C00	4287	14240	5.50	-0.1	0.1	26.2	0.4	63	7
3537MH0001820021204288C00	4288	14264	5.38	-0.1	0.1	25.8	0.4	31	8

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Sol 3537 - MAHLI Onboard Focus Merge Product Information

target Cerro_Raya - stereo-2 - ~4 cm standoff

		CDPID	corresponding frame:	3537MH0001820011204290C00				
best focus image:	3537MH0002650001204299R00	4299	motor count:	14194	range (cm):	5.7		
range map product:	3537MH0002650001204300S00	4300	acquired sequence:	mhli00182	stack type:	Relative		
acquired on date:	19-Jul-22		merge sequence:	mhli00265	merge type:	Basic		
motor count interval:	24	acquired on sol:	3537	focus merged on sol:	3537			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3537MH0001820021204291C00	4291	14098	6.24	-0.1	0.1	28.9	0.5	255	1
3537MH0001820021204292C00	4292	14122	6.11	-0.1	0.1	28.4	0.5	223	2
3537MH0001820021204293C00	4293	14146	5.97	-0.1	0.1	27.9	0.5	191	3
3537MH0001820021204294C00	4294	14170	5.85	-0.1	0.1	27.5	0.4	159	4
3537MH0001820021204295C00	4295	14194	5.72	-0.1	0.1	27.0	0.4	127	5
3537MH0001820021204296C00	4296	14218	5.60	-0.1	0.1	26.6	0.4	95	6
3537MH0001820021204297C00	4297	14242	5.49	-0.1	0.1	26.2	0.4	63	7
3537MH0001820021204298C00	4298	14266	5.37	-0.1	0.1	25.8	0.4	31	8

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Sol 3539 - MAHLI Onboard Focus Merge Product Information




target Surama - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3539MH0003060011204306C00			
best focus image:	3540MH0001530001204354R00	4354	motor count:	13980	range (cm):	7.0	
range map product:	3540MH0001530001204355S00	4355	acquired sequence:	mhli00306	stack type:	Relative	
acquired on date:	21-Jul-22		merge sequence:	mhli00153	merge type:	Basic	
motor count interval:	54	acquired on sol:	3539	focus merged on sol:	3540		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3539MH0003060021204307C00	4307	13764	8.70	-0.2	0.2	37.5	0.8	255	1
3539MH0003060021204308C00	4308	13818	8.21	-0.2	0.2	35.8	0.8	223	2
3539MH0003060021204309C00	4309	13872	7.77	-0.2	0.2	34.2	0.7	191	3
3539MH0003060021204310C00	4310	13926	7.36	-0.2	0.2	32.8	0.6	159	4
3539MH0003060021204311C00	4311	13980	6.98	-0.2	0.2	31.5	0.6	127	5
3539MH0003060021204312C00	4312	14034	6.63	-0.2	0.2	30.2	0.6	95	6
3539MH0003060021204313C00	4313	14088	6.30	-0.1	0.1	29.1	0.5	63	7
3539MH0003060021204314C00	4314	14142	6.00	-0.1	0.1	28.0	0.5	31	8

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Sol 3539 - MAHLI Onboard Focus Merge Product Information



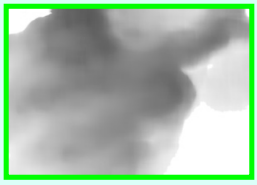

target Surama - stereo-2 - ~5 cm standoff

		CDPID	corresponding frame:	3539MH0003060011204316C00			
best focus image:	3540MH0001530001204352R00	4352	motor count:	13982	range (cm):	7.0	
range map product:	3540MH0001530001204353S00	4353	acquired sequence:	mhli00306	stack type:	Relative	
acquired on date:	21-Jul-22		merge sequence:	mhli00153	merge type:	Basic	
motor count interval:	54	acquired on sol:	3539	focus merged on sol:	3540		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3539MH0003060021204317C00	4317	13766	8.68	-0.2	0.2	37.4	0.8	255	1
3539MH0003060021204318C00	4318	13820	8.19	-0.2	0.2	35.7	0.7	223	2
3539MH0003060021204319C00	4319	13874	7.75	-0.2	0.2	34.2	0.7	191	3
3539MH0003060021204320C00	4320	13928	7.34	-0.2	0.2	32.7	0.6	159	4
3539MH0003060021204321C00	4321	13982	6.96	-0.2	0.2	31.4	0.6	127	5
3539MH0003060021204322C00	4322	14036	6.61	-0.2	0.2	30.2	0.5	95	6
3539MH0003060021204323C00	4323	14090	6.29	-0.1	0.1	29.0	0.5	63	7
3539MH0003060021204324C00	4324	14144	5.99	-0.1	0.1	28.0	0.5	31	8

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Sol 3539 - MAHLI Onboard Focus Merge Product Information

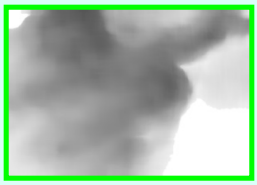
target Amajari - stereo-1 - ~45 mm standoff

		CDPID	corresponding frame:	3539MH0001820011204328C00			
best focus image:	3540MH0001530001204350R00	4350	motor count:	14106	range (cm):	6.2	
range map product:	3540MH0001530001204351S00	4351	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	21-Jul-22		merge sequence:	mhli00153	merge type:	Basic	
motor count interval:	24	acquired on sol:	3539	focus merged on sol:	3540		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3539MH0001820021204329C00	4329	14010	6.78	-0.2	0.2	30.8	0.6	255	1
3539MH0001820021204330C00	4330	14034	6.63	-0.2	0.2	30.2	0.6	223	2
3539MH0001820021204331C00	4331	14058	6.48	-0.2	0.1	29.7	0.5	191	3
3539MH0001820021204332C00	4332	14082	6.33	-0.2	0.1	29.2	0.5	159	4
3539MH0001820021204333C00	4333	14106	6.20	-0.1	0.1	28.7	0.5	127	5
3539MH0001820021204334C00	4334	14130	6.06	-0.1	0.1	28.2	0.5	95	6
3539MH0001820021204335C00	4335	14154	5.93	-0.1	0.1	27.8	0.5	63	7
3539MH0001820021204336C00	4336	14178	5.81	-0.1	0.1	27.3	0.4	31	8

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Sol 3539 - MAHLI Onboard Focus Merge Product Information

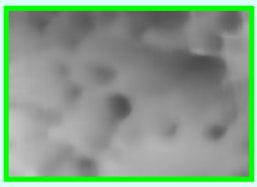
target Amajari - stereo-2 - ~45 mm standoff

		CDPID	corresponding frame:	3539MH0001820011204338C00			
best focus image:	3540MH0001530001204348R00	4348	motor count:	14114	range (cm):	6.2	
range map product:	3540MH0001530001204349S00	4349	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	21-Jul-22		merge sequence:	mhli00153	merge type:	Basic	
motor count interval:	24	acquired on sol:	3539	focus merged on sol:	3540		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3539MH0001820021204339C00	4339	14018	6.73	-0.2	0.2	30.6	0.6	255	1
3539MH0001820021204340C00	4340	14042	6.58	-0.2	0.2	30.0	0.5	223	2
3539MH0001820021204341C00	4341	14066	6.43	-0.2	0.1	29.5	0.5	191	3
3539MH0001820021204342C00	4342	14090	6.29	-0.1	0.1	29.0	0.5	159	4
3539MH0001820021204343C00	4343	14114	6.15	-0.1	0.1	28.6	0.5	127	5
3539MH0001820021204344C00	4344	14138	6.02	-0.1	0.1	28.1	0.5	95	6
3539MH0001820021204345C00	4345	14162	5.89	-0.1	0.1	27.6	0.4	63	7
3539MH0001820021204346C00	4346	14186	5.76	-0.1	0.1	27.2	0.4	31	8

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Sol 3541 - MAHLI Onboard Focus Merge Product Information

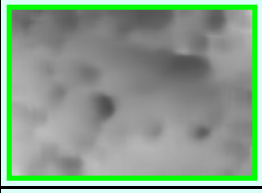
target Benhori_Bumoko - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3541MH0001820011204359C00			
best focus image:	3543MH0001630001204432R00		4432	motor count:	13984	range (cm):	7.0	
range map product:	3543MH0001630001204433S00		4433	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	23-Jul-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3541	focus merged on sol:	3543			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3541MH0001820021204360C00	4360	13888	7.64	-0.2	0.2	33.8	0.7	255	1
3541MH0001820021204361C00	4361	13912	7.46	-0.2	0.2	33.2	0.7	223	2
3541MH0001820021204362C00	4362	13936	7.28	-0.2	0.2	32.5	0.6	191	3
3541MH0001820021204363C00	4363	13960	7.11	-0.2	0.2	31.9	0.6	159	4
3541MH0001820021204364C00	4364	13984	6.95	-0.2	0.2	31.4	0.6	127	5
3541MH0001820021204365C00	4365	14008	6.79	-0.2	0.2	30.8	0.6	95	6
3541MH0001820021204366C00	4366	14032	6.64	-0.2	0.2	30.3	0.6	63	7
3541MH0001820021204367C00	4367	14056	6.49	-0.2	0.1	29.7	0.5	31	8

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Sol 3541 - MAHLI Onboard Focus Merge Product Information

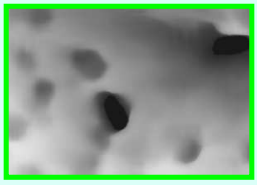
target Benhori_Bumoko - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3541MH0001820011204369C00			
best focus image:	3543MH0001630001204430R00		4430	motor count:	13987	range (cm):	6.9	
range map product:	3543MH0001630001204431S00		4431	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	23-Jul-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3541	focus merged on sol:	3543			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3541MH0001820021204370C00	4370	13891	7.62	-0.2	0.2	33.7	0.7	255	1
3541MH0001820021204371C00	4371	13915	7.44	-0.2	0.2	33.1	0.6	223	2
3541MH0001820021204372C00	4372	13939	7.26	-0.2	0.2	32.5	0.6	191	3
3541MH0001820021204373C00	4373	13963	7.09	-0.2	0.2	31.9	0.6	159	4
3541MH0001820021204374C00	4374	13987	6.93	-0.2	0.2	31.3	0.6	127	5
3541MH0001820021204375C00	4375	14011	6.77	-0.2	0.2	30.7	0.6	95	6
3541MH0001820021204376C00	4376	14035	6.62	-0.2	0.2	30.2	0.6	63	7
3541MH0001820021204377C00	4377	14059	6.47	-0.2	0.1	29.7	0.5	31	8

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Sol 3541 - MAHLI Onboard Focus Merge Product Information

target Benhori_Bumoko- ~2 cm standoff

		CDPID	corresponding frame:	3541MH0003020011204379C00			
best focus image:	3543MH0001630001204428R00	4428	motor count:	14642	range (cm):	4.0	
range map product:	3543MH0001630001204429S00	4429	acquired sequence:	mhli00302	stack type:	Relative	
acquired on date:	23-Jul-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	30	acquired on sol:	3541	focus merged on sol:	3543		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3541MH0003020021204380C00	4380	14522	4.35	-0.1	0.1	22.2	0.3	255	1
3541MH0003020021204381C00	4381	14552	4.24	-0.1	0.1	21.8	0.3	223	2
3541MH0003020021204382C00	4382	14582	4.14	-0.1	0.1	21.5	0.3	191	3
3541MH0003020021204383C00	4383	14612	4.05	-0.1	0.1	21.2	0.3	159	4
3541MH0003020021204384C00	4384	14642	3.96	-0.1	0.1	20.8	0.3	127	5
3541MH0003020021204385C00	4385	14672	3.87	-0.1	0.1	20.5	0.3	95	6
3541MH0003020021204386C00	4386	14702	3.78	-0.1	0.1	20.2	0.3	63	7
3541MH0003020021204387C00	4387	14732	3.69	-0.1	0.1	19.9	0.3	31	8

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Sol 3541 - MAHLI Onboard Focus Merge Product Information




target Motocuruna- after DRT - stereo-1 - ~5 cm standoff

		CDPID	corresponding frame:	3541MH0001820011204393C00			
best focus image:	3543MH0001630001204426R00	4426	motor count:	14017	range (cm):	6.7	
range map product:	3543MH0001630001204427S00	4427	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	23-Jul-22		merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3541	focus merged on sol:	3543		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3541MH0001820021204394C00	4394	13921	7.39	-0.2	0.2	32.9	0.6	255	1
3541MH0001820021204395C00	4395	13945	7.22	-0.2	0.2	32.3	0.6	223	2
3541MH0001820021204396C00	4396	13969	7.05	-0.2	0.2	31.7	0.6	191	3
3541MH0001820021204397C00	4397	13993	6.89	-0.2	0.2	31.2	0.6	159	4
3541MH0001820021204398C00	4398	14017	6.73	-0.2	0.2	30.6	0.6	127	5
3541MH0001820021204399C00	4399	14041	6.58	-0.2	0.2	30.1	0.5	95	6
3541MH0001820021204400C00	4400	14065	6.44	-0.2	0.1	29.6	0.5	63	7
3541MH0001820021204401C00	4401	14089	6.29	-0.1	0.1	29.1	0.5	31	8

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Sol 3541 - MAHLI Onboard Focus Merge Product Information




target Motocuruna- after DRT - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3541MH0001820011204403C00			
best focus image:	3543MH0001630001204424R00		4424	motor count:	14017	range (cm):	6.7	
range map product:	3543MH0001630001204425S00		4425	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	23-Jul-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	24	acquired on sol:	3541	focus merged on sol:	3543			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3541MH0001820021204404C00	4404	13921	7.39	-0.2	0.2	32.9	0.6	255	1
3541MH0001820021204405C00	4405	13945	7.22	-0.2	0.2	32.3	0.6	223	2
3541MH0001820021204406C00	4406	13969	7.05	-0.2	0.2	31.7	0.6	191	3
3541MH0001820021204407C00	4407	13993	6.89	-0.2	0.2	31.2	0.6	159	4
3541MH0001820021204408C00	4408	14017	6.73	-0.2	0.2	30.6	0.6	127	5
3541MH0001820021204409C00	4409	14041	6.58	-0.2	0.2	30.1	0.5	95	6
3541MH0001820021204410C00	4410	14065	6.44	-0.2	0.1	29.6	0.5	63	7
3541MH0001820021204411C00	4411	14089	6.29	-0.1	0.1	29.1	0.5	31	8

updated: 13_December_2022

Sol 3541 - MAHLI Onboard Focus Merge Product Information



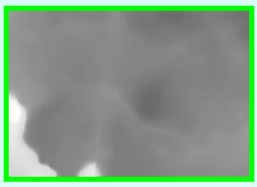

target Motocuruna- after DRT - ~2 cm standoff

			CDPID	corresponding frame:	3541MH0003020011204413C00			
best focus image:	3543MH0001630001204422R00		4422	motor count:	14733	range (cm):	3.7	
range map product:	3543MH0001630001204423S00		4423	acquired sequence:	mhli00302	stack type:	Relative	
acquired on date:	23-Jul-22			merge sequence:	mhli00163	merge type:	Basic	
motor count interval:	30	acquired on sol:	3541	focus merged on sol:	3543			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3541MH0003020021204414C00	4414	14613	4.05	-0.1	0.1	21.1	0.3	255	1
3541MH0003020021204415C00	4415	14643	3.95	-0.1	0.1	20.8	0.3	223	2
3541MH0003020021204416C00	4416	14673	3.86	-0.1	0.1	20.5	0.3	191	3
3541MH0003020021204417C00	4417	14703	3.78	-0.1	0.1	20.2	0.3	159	4
3541MH0003020021204418C00	4418	14733	3.69	-0.1	0.1	19.9	0.3	127	5
3541MH0003020021204419C00	4419	14763	3.61	-0.1	0.1	19.6	0.3	95	6
3541MH0003020021204420C00	4420	14793	3.53	-0.1	0.1	19.3	0.3	63	7
3541MH0003020021204421C00	4421	14823	3.45	-0.1	0.1	19.1	0.2	31	8

updated: 13_December_2022

Sol 3544 - MAHLI Onboard Focus Merge Product Information

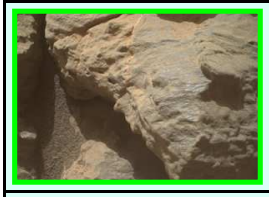
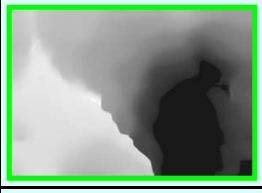
target Tumereng - ~25 cm standoff

		CDPID	corresponding frame:	3544MH0006280011204435C00			
best focus image:	3544MH0001930001204468R00	4468	motor count:	13018	range (cm):	26.5	
range map product:	3544MH0001930001204469S00	4469	acquired sequence:	mhli00628	stack type:	Relative	
acquired on date:	26-Jul-22		merge sequence:	mhli00193	merge type:	Basic	
motor count interval:	42	acquired on sol:	3544	focus merged on sol:	3544		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3544MH0006280021204436C00	4436	12850	42.12	-4.3	5.4	155.2	17.0	255	1
3544MH0006280021204437C00	4437	12892	36.81	-3.3	4.0	136.5	12.9	223	2
3544MH0006280021204438C00	4438	12934	32.63	-2.6	3.1	121.8	10.1	191	3
3544MH0006280021204439C00	4439	12976	29.25	-2.1	2.5	109.9	8.1	159	4
3544MH0006280021204440C00	4440	13018	26.46	-1.8	2.0	100.0	6.6	127	5
3544MH0006280021204441C00	4441	13060	24.12	-1.5	1.6	91.8	5.5	95	6
3544MH0006280021204442C00	4442	13102	22.13	-1.3	1.4	84.8	4.6	63	7
3544MH0006280021204443C00	4443	13144	20.41	-1.1	1.2	78.8	3.9	31	8

updated: 13_December_2022

Sol 3544 - MAHLI Onboard Focus Merge Product Information

target Tumereng - stereo-1 - ~45 mm standoff

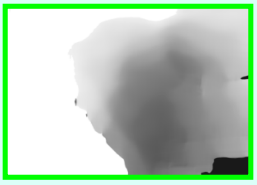
		CDPID	corresponding frame:	3544MH0006730011204445C00			
best focus image:	3544MH0001930001204466R00	4466	motor count:	14104	range (cm):	6.2	
range map product:	3544MH0001930001204467S00	4467	acquired sequence:	mhli00673	stack type:	Relative	
acquired on date:	26-Jul-22		merge sequence:	mhli00193	merge type:	Basic	
motor count interval:	84	acquired on sol:	3544	focus merged on sol:	3544		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3544MH0006730021204446C00	4446	13768	8.66	-0.2	0.2	37.4	0.8	255	1
3544MH0006730021204447C00	4447	13852	7.93	-0.2	0.2	34.8	0.7	223	2
3544MH0006730021204448C00	4448	13936	7.28	-0.2	0.2	32.5	0.6	191	3
3544MH0006730021204449C00	4449	14020	6.71	-0.2	0.2	30.5	0.6	159	4
3544MH0006730021204450C00	4450	14104	6.21	-0.1	0.1	28.8	0.5	127	5
3544MH0006730021204451C00	4451	14188	5.75	-0.1	0.1	27.2	0.4	95	6
3544MH0006730021204452C00	4452	14272	5.35	-0.1	0.1	25.7	0.4	63	7
3544MH0006730021204453C00	4453	14356	4.98	-0.1	0.1	24.4	0.4	31	8

updated: 13_December_2022

Sol 3544 - MAHLI Onboard Focus Merge Product Information





target Tumereng - stereo-2 - ~35 mm standoff

		CDPID	corresponding frame:	3544MH0006730011204455C00			
best focus image:	3544MH0001930001204464R00	**4464**	motor count:	14301	range (cm):	5.2	
range map product:	3544MH0001930001204465S00	**4465**	**acquired sequence:**	mhli00673	**stack type:**	**Relative**	
acquired on date:	26-Jul-22		**merge sequence:**	mhli00193	**merge type:**	**Basic**	
motor count interval:	84	**acquired on sol:**	3544	**focus merged on sol:**	3544		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3544MH0006730021204456C00	4456	13965	**7.08**	-0.2	0.2	**31.8**	0.6	**255**	1
3544MH0006730021204457C00	4457	14049	**6.53**	-0.2	0.1	**29.9**	0.5	**223**	2
3544MH0006730021204458C00	4458	14133	**6.05**	-0.1	0.1	**28.2**	0.5	**191**	3
3544MH0006730021204459C00	4459	14217	**5.61**	-0.1	0.1	**26.6**	0.4	**159**	4
3544MH0006730021204460C00	4460	14301	**5.21**	-0.1	0.1	**25.3**	0.4	**127**	5
3544MH0006730021204461C00	4461	14385	**4.86**	-0.1	0.1	**24.0**	0.4	**95**	6
3544MH0006730021204462C00	4462	14469	**4.53**	-0.1	0.1	**22.9**	0.3	**63**	7
3544MH0006730021204463C00	4463	14553	**4.24**	-0.1	0.1	**21.8**	0.3	**31**	8

updated: 13_December_2022

Sol 3546 - MAHLI Onboard Focus Merge Product Information



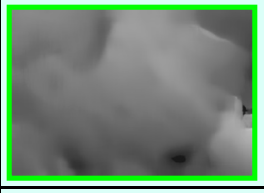

target Simoni - stereo-1 - ~4 cm standoff

		CDPID	corresponding frame:	3546MH0002240011204474C00			
best focus image:	3547MH0002270001204534R00	4534	motor count:	14153	range (cm):	5.9	
range map product:	3547MH0002270001204535S00	4535	acquired sequence:	mhli00224	stack type:	Relative	
acquired on date:	28-Jul-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	42	acquired on sol:	3546	focus merged on sol:	3547		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3546MH0002240021204475C00	4475	13985	6.94	-0.2	0.2	31.3	0.6	255	1
3546MH0002240021204476C00	4476	14027	6.67	-0.2	0.2	30.4	0.6	223	2
3546MH0002240021204477C00	4477	14069	6.41	-0.2	0.1	29.5	0.5	191	3
3546MH0002240021204478C00	4478	14111	6.17	-0.1	0.1	28.6	0.5	159	4
3546MH0002240021204479C00	4479	14153	5.94	-0.1	0.1	27.8	0.5	127	5
3546MH0002240021204480C00	4480	14195	5.72	-0.1	0.1	27.0	0.4	95	6
3546MH0002240021204481C00	4481	14237	5.51	-0.1	0.1	26.3	0.4	63	7
3546MH0002240021204482C00	4482	14279	5.31	-0.1	0.1	25.6	0.4	31	8

updated: 13_December_2022

Sol 3546 - MAHLI Onboard Focus Merge Product Information

target Simoni - stereo-2 - ~4 cm standoff

		CDPID	corresponding frame:	3546MH0002240011204484C00			
best focus image:	3547MH0002270001204532R00	4532	motor count:	14148	range (cm):	6.0	
range map product:	3547MH0002270001204533S00	4533	acquired sequence:	mhli00224	stack type:	Relative	
acquired on date:	28-Jul-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	42	acquired on sol:	3546	focus merged on sol:	3547		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3546MH0002240021204485C00	4485	13980	6.98	-0.2	0.2	31.5	0.6	255	1
3546MH0002240021204486C00	4486	14022	6.70	-0.2	0.2	30.5	0.6	223	2
3546MH0002240021204487C00	4487	14064	6.44	-0.2	0.1	29.6	0.5	191	3
3546MH0002240021204488C00	4488	14106	6.20	-0.1	0.1	28.7	0.5	159	4
3546MH0002240021204489C00	4489	14148	5.96	-0.1	0.1	27.9	0.5	127	5
3546MH0002240021204490C00	4490	14190	5.74	-0.1	0.1	27.1	0.4	95	6
3546MH0002240021204491C00	4491	14232	5.53	-0.1	0.1	26.4	0.4	63	7
3546MH0002240021204492C00	4492	14274	5.34	-0.1	0.1	25.7	0.4	31	8

updated: 13_December_2022

Sol 3546 - MAHLI Onboard Focus Merge Product Information



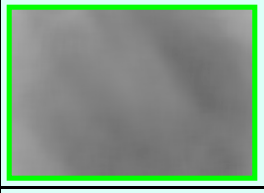

target Lilas - after DRT - stereo-1 - ~5 cm standoff

			CDPID	corresponding frame:	3546MH0001820011204497C00			
best focus image:	3547MH0002270001204530R00		4530	motor count:	14025	range (cm):	6.7	
range map product:	3547MH0002270001204531S00		4531	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	28-Jul-22			merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	24	acquired on sol:	3546	focus merged on sol:	3547			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3546MH0001820021204498C00	4498	13929	7.33	-0.2	0.2	32.7	0.6	255	1
3546MH0001820021204499C00	4499	13953	7.16	-0.2	0.2	32.1	0.6	223	2
3546MH0001820021204500C00	4500	13977	7.00	-0.2	0.2	31.5	0.6	191	3
3546MH0001820021204501C00	4501	14001	6.84	-0.2	0.2	31.0	0.6	159	4
3546MH0001820021204502C00	4502	14025	6.68	-0.2	0.2	30.4	0.6	127	5
3546MH0001820021204503C00	4503	14049	6.53	-0.2	0.1	29.9	0.5	95	6
3546MH0001820021204504C00	4504	14073	6.39	-0.2	0.1	29.4	0.5	63	7
3546MH0001820021204505C00	4505	14097	6.25	-0.1	0.1	28.9	0.5	31	8

updated: 13_December_2022

Sol 3546 - MAHLI Onboard Focus Merge Product Information

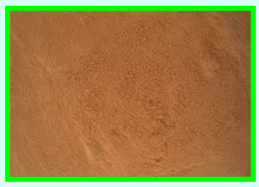
target Lilas - after DRT - stereo-2 - ~5 cm standoff

			CDPID	corresponding frame:	3546MH0001820011204507C00			
best focus image:	3547MH0002270001204528R00		4528	motor count:	14030	range (cm):	6.7	
range map product:	3547MH0002270001204529S00		4529	acquired sequence:	mhli00182	stack type:	Relative	
acquired on date:	28-Jul-22			merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	24	acquired on sol:	3546	focus merged on sol:	3547			

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3546MH0001820021204508C00	4508	13934	7.30	-0.2	0.2	32.6	0.6	255	1
3546MH0001820021204509C00	4509	13958	7.13	-0.2	0.2	32.0	0.6	223	2
3546MH0001820021204510C00	4510	13982	6.96	-0.2	0.2	31.4	0.6	191	3
3546MH0001820021204511C00	4511	14006	6.80	-0.2	0.2	30.9	0.6	159	4
3546MH0001820021204512C00	4512	14030	6.65	-0.2	0.2	30.3	0.6	127	5
3546MH0001820021204513C00	4513	14054	6.50	-0.2	0.1	29.8	0.5	95	6
3546MH0001820021204514C00	4514	14078	6.36	-0.2	0.1	29.3	0.5	63	7
3546MH0001820021204515C00	4515	14102	6.22	-0.1	0.1	28.8	0.5	31	8

updated: 13_December_2022

Sol 3546 - MAHLI Onboard Focus Merge Product Information




target Lilas - after DRT - ~1 cm standoff

		CDPID	corresponding frame:	3546MH0004260011204517C00			
best focus image:	3547MH0002270001204526R00	4526	motor count:	15184	range (cm):	2.7	
range map product:	3547MH0002270001204527S00	4527	acquired sequence:	mhli00426	stack type:	Relative	
acquired on date:	28-Jul-22		merge sequence:	mhli00227	merge type:	Basic	
motor count interval:	48	acquired on sol:	3546	focus merged on sol:	3547		

Individual Focus Stack Images	CDPID	motor count	range (cm)	range uncertainty (cm)		pixel scale (µm/pixel)	pixel scale uncertainty (µm/pixel)	DN in range map	image n of 8
				near	far				
3546MH0004260021204518C00	4518	14992	3.06	-0.1	0.1	17.7	0.2	255	1
3546MH0004260021204519C00	4519	15040	2.95	-0.1	0.1	17.3	0.2	223	2
3546MH0004260021204520C00	4520	15088	2.86	-0.1	0.1	17.0	0.2	191	3
3546MH0004260021204521C00	4521	15136	2.76	-0.1	0.1	16.6	0.2	159	4
3546MH0004260021204522C00	4522	15184	2.68	-0.1	0.1	16.3	0.2	127	5
3546MH0004260021204523C00	4523	15232	2.59	-0.1	0.1	16.0	0.2	95	6
3546MH0004260021204524C00	4524	15280	2.51	0.0	0.1	15.7	0.2	63	7
3546MH0004260021204525C00	4525	15328	2.43	0.0	0.1	15.5	0.2	31	8

6 Image comment, purpose, RATIONALE_DESC

A RATIONALE_DESC accompanies each MAHLI image and each focus merge product archived with the NASA PDS. It is found in in each archived image label file (.LBL).

The RATIONALE_DESC is a text description of the purpose (rationale) behind the acquisition of each MAHLI parent image.

For onboard focus merge products, the RATIONALE_DESC includes information regarding when the merge was performed and which parent images were merged. This information is not automatically tracked by the instrument or ground data system and thus requires human intervention; this is the only pathway by which this information is conveyed to the data user through the NASA PDS archival products.

The MAHLI Team drafts each RATIONALE_DESC as the data are acquired and returned to Earth. Final editing of each RATIONALE_DESC is performed a few months before the data are archived with the NASA PDS. In some cases, an error might be detected in a RATIONALE_DESC some time after the data are first archived; in such a case, the corrections are made in a later release of MAHLI data to the PDS (as long as the mission continues and funding is available to do so).

The pages that follow capture the RATIONALE_DESC for each MAHLI image acquired and lists the ID for the best available image or focus merge product returned to Earth. Note that the RATIONALE_DESC also applies to any other child images spawned by a given parent image and thus there might be additional images, not listed here, that correspond to a given RATIONALE_DESC. In some cases, it was only necessary to return a thumbnail image; the IDs for these are given in orange text. As noted earlier, purple text indicates Image IDs for which the last two characters might differ from those in the NASA PDS archives.

Note that the text on the pages that follow is tiny. We highly recommend that the reader view this document electronically (*i.e.*, PDF file on a computer screen) and magnify the view ≥ 400%.

The *MAHLI Image Comment Sheets* that follow include data acquired Sol 3424–3547. During this period, the instrument obtained images and/or performed focus merges on **Sols 3424, 3425, 3427, 3428, 3429, 3432, 3433, 3436, 3439, 3440, 3442, 3444, 3447, 3449, 3451, 3453, 3454, 3456, 3458, 3459, 3461, 3462, 3465, 3466, 3469, 3471, 3472, 3473, 3474, 3476, 3478, 3480, 3481, 3483, 3485, 3488, 3491, 3492, 3493, 3503, 3505, 3508, 3511, 3512, 3528, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3539, 3540, 3541, 3543, 3544, 3546, 3547**.

updated: 25_March_2022

Sol 3424 - MAHLI Images

acquired/performed date(s):	25-Mar-22
camera positions:	0
total parent images:	0
focus merges performed:	5
total focus merge products:	10
total parent images + focus merge products:	10

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3423 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00227	Focus Merges	3424MH0002270001201618R00	1618	target Breakyneck - standoff near 1 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1610-1617 - best focus image product
		3424MH0002270001201619S00	1619	target Breakyneck - standoff near 1 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1610-1617 - range map product
		3424MH0002270001201620R00	1620	target Breakyneck - stereo-2 - standoff near 5 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1600-1607 - best focus image product
		3424MH0002270001201621S00	1621	target Breakyneck - stereo-2 - standoff near 5 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1600-1607 - range map product
		3424MH0002270001201622R00	1622	target Breakyneck - stereo-1 - standoff near 5 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1590-1597 - best focus image product
		3424MH0002270001201623S00	1623	target Breakyneck - stereo-1 - standoff near 5 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1590-1597 - range map product
		3424MH0002270001201624R00	1624	target Redscarhead - stereo-2 - standoff near 5 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1580-1587 - best focus image product
		3424MH0002270001201625S00	1625	target Redscarhead - stereo-2 - standoff near 5 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1580-1587 - range map product
		3424MH0002270001201626R00	1626	target Redscarhead - stereo-1 - standoff near 5 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1570-1577 - best focus image product
		3424MH0002270001201627S00	1627	target Redscarhead - stereo-1 - standoff near 5 cm - focus stack acquired sol 3423 with MSL CAMERA_PRODUCT_IDs 1570-1577 - range map product

updated: 06_June_2022

Sol 3425 - MAHLI Images

acquired/performed date(s):	26-Mar-22
camera positions:	13
total parent images:	74
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	74

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the DRT-brushed target Donkey_Trail and the target Burn_Mouth.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Donkey_Trail before DRT ~25 cm standoff	3425MH0001900001201628C00	1628	autofocus sub-frame for target Donkey_Trail – before dust removal tool (DRT) – standoff near 25 cm
		3425MH0001900011201629C00	1629	target Donkey_Trail – before dust removal tool (DRT) – standoff near 25 cm
mhli00122	Donkey_Trail before DRT ~45 mm standoff	3425MH0001220001201630C00	1630	autofocus sub-frame for target Donkey_Trail – before dust removal tool (DRT) – standoff near 45 mm
		3425MH0001220011201631C00	1631	target Donkey_Trail – before dust removal tool (DRT) – standoff near 45 mm
mhli00190	Burn_Mouth ~25 cm standoff	3425MH0001900001201632C00	1632	autofocus sub-frame for target Burn_Mouth – standoff near 25 cm
		3425MH0001900011201633C00	1633	target Burn_Mouth – standoff near 25 cm
mhli00173	Burn_Mouth stereo-1 relief model position 1 ~5 cm standoff	3425MH0001730001201634C00	1634	autofocus sub-frame for target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm
		3425MH0001730011201635C00	1635	target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm
		3425MH0001730021201636C00	1636	target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3425MH0001730021201637C00	1637	target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3425MH0001730021201638C00	1638	target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3425MH0001730021201639C00	1639	target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3425MH0001730021201640C00	1640	target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3425MH0001730021201641C00	1641	target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3425MH0001730021201642C00	1642	target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3425MH0001730021201643C00	1643	target Burn_Mouth – stereo-1 – relief model position 1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00173	Burn_Mouth stereo-2 relief model position 2 ~5 cm standoff	3425MH0001730001201644C00	1644	autofocus sub-frame for target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm
		3425MH0001730011201645C00	1645	target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm
		3425MH0001730021201646C00	1646	target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3425MH0001730021201647C00	1647	target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3425MH0001730021201648C00	1648	target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3425MH0001730021201649C00	1649	target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3425MH0001730021201650C00	1650	target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3425MH0001730021201651C00	1651	target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3425MH0001730021201652C00	1652	target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3425MH0001730021201653C00	1653	target Burn_Mouth – stereo-2 – relief model position 2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00705	Burn_Mouth relief model position 3 ~5 cm standoff	3425MH0000705000120165 4C00	1654	autofocus sub-frame for target Burn_Mouth – relief model position 3 – standoff near 5 cm
		3425MH0000705001120165 5C00	1655	target Burn_Mouth – relief model position 3 – standoff near 5 cm
mhli00705	Burn_Mouth relief model position 4 ~5 cm standoff	3425MH0000705000120165 6C00	1656	autofocus sub-frame for target Burn_Mouth – relief model position 4 – standoff near 5 cm
		3425MH0000705001120165 7C00	1657	target Burn_Mouth – relief model position 4 – standoff near 5 cm
mhli00705	Burn_Mouth relief model position 5 ~5 cm standoff	3425MH0000705000120165 8C00	1658	autofocus sub-frame for target Burn_Mouth – relief model position 5 – standoff near 5 cm
		3425MH0000705001120165 9C00	1659	target Burn_Mouth – relief model position 5 – standoff near 5 cm
mhli00838	Burn_Mouth ~1 cm standoff	3425MH0000838000120166 0C00	1660	autofocus sub-frame for target Burn_Mouth – standoff near 1 cm
		3425MH0000838001120166 1C00	1661	target Burn_Mouth – standoff near 1 cm
		3425MH0000838002120166 2C00	1662	target Burn_Mouth – standoff near 1 cm – image 1 in 8-image relative focus stack
		3425MH0000838002120166 3C00	1663	target Burn_Mouth – standoff near 1 cm – image 2 in 8-image relative focus stack
		3425MH0000838002120166 4C00	1664	target Burn_Mouth – standoff near 1 cm – image 3 in 8-image relative focus stack
		3425MH0000838002120166 5C00	1665	target Burn_Mouth – standoff near 1 cm – image 4 in 8-image relative focus stack
		3425MH0000838002120166 6C00	1666	target Burn_Mouth – standoff near 1 cm – image 5 in 8-image relative focus stack
		3425MH0000838002120166 7C00	1667	target Burn_Mouth – standoff near 1 cm – image 6 in 8-image relative focus stack
		3425MH0000838002120166 8C00	1668	target Burn_Mouth – standoff near 1 cm – image 7 in 8-image relative focus stack
		3425MH0000838002120166 9C00	1669	target Burn_Mouth – standoff near 1 cm – image 8 in 8-image relative focus stack
mhli00190	Donkey_Trail after DRT ~25 cm standoff	3425MH0001900001201670C00	1670	autofocus sub-frame for target Donkey_Trail – after dust removal tool (DRT) – standoff near 25 cm
		3425MH0001900011201671C00	1671	target Donkey_Trail – after dust removal tool (DRT) – standoff near 25 cm
mhli00168	Donkey_Trail after DRT stereo-1 ~45 mm standoff	3425MH0001680001201672C00	1672	autofocus sub-frame for target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm
		3425MH0001680011201673C00	1673	target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm
		3425MH0001680021201674C00	1674	target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm – image 1 in 8-image relative focus stack
		3425MH0001680021201675C00	1675	target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm – image 2 in 8-image relative focus stack
		3425MH0001680021201676C00	1676	target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm – image 3 in 8-image relative focus stack
		3425MH0001680021201677C00	1677	target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm – image 4 in 8-image relative focus stack
		3425MH0001680021201678C00	1678	target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm – image 5 in 8-image relative focus stack
		3425MH0001680021201679C00	1679	target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm – image 6 in 8-image relative focus stack
		3425MH0001680021201680C00	1680	target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm – image 7 in 8-image relative focus stack
		3425MH0001680021201681C00	1681	target Donkey_Trail – after dust removal tool (DRT) – stereo-1 – standoff near 45 mm – image 8 in 8-image relative focus stack
mhli00168	Donkey_Trail after DRT stereo-2 ~45 mm standoff	3425MH0001680001201682C00	1682	autofocus sub-frame for target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm
		3425MH0001680011201683C00	1683	target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm
		3425MH0001680021201684C00	1684	target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm – image 1 in 8-image relative focus stack
		3425MH0001680021201685C00	1685	target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm – image 2 in 8-image relative focus stack
		3425MH0001680021201686C00	1686	target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm – image 3 in 8-image relative focus stack
		3425MH0001680021201687C00	1687	target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm – image 4 in 8-image relative focus stack
		3425MH0001680021201688C00	1688	target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm – image 5 in 8-image relative focus stack
		3425MH0001680021201689C00	1689	target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm – image 6 in 8-image relative focus stack
		3425MH0001680021201690C00	1690	target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm – image 7 in 8-image relative focus stack
		3425MH0001680021201691C00	1691	target Donkey_Trail – after dust removal tool (DRT) – stereo-2 – standoff near 45 mm – image 8 in 8-image relative focus stack

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mhli00743	Donkey_Trail after DRT ~7 mm standoff	3425MH0007430001201692C00	1692	autofocus sub-frame for target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm
		3425MH0007430011201693C00	1693	target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm
		3425MH0007430021201694C00	1694	target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm – image 1 in 8–image relative focus stack
		3425MH0007430021201695C00	1695	target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm – image 2 in 8–image relative focus stack
		3425MH0007430021201696C00	1696	target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm – image 3 in 8–image relative focus stack
		3425MH0007430021201697C00	1697	target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm – image 4 in 8–image relative focus stack
		3425MH0007430021201698C00	1698	target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm – image 5 in 8–image relative focus stack
		3425MH0007430021201699C00	1699	target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm – image 6 in 8–image relative focus stack
		3425MH0007430021201700C00	1700	target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm – image 7 in 8–image relative focus stack
		3425MH0007430021201701C00	1701	target Donkey_Trail – after dust removal tool (DRT) – standoff near 7 mm – image 8 in 8–image relative focus stack

updated: 29_March_2022

Sol 3427 - MAHLI Images

acquired/performed date(s):	28-Mar-22
camera positions:	0
total parent images:	0
focus merges performed:	6
total focus merge products:	12
total parent images + focus merge products:	12

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3425 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00163	Focus Merges	3427MH0001630001201702R00	1702	target Donkey_Trail - after dust removal tool (DRT) - standoff near 7 mm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1694-1701 - best focus image product
		3427MH0001630001201703S00	1703	target Donkey_Trail - after dust removal tool (DRT) - standoff near 7 mm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1694-1701 - range map product
		3427MH0001630001201704R00	1704	target Donkey_Trail - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1684-1691 - best focus image product
		3427MH0001630001201705S00	1705	target Donkey_Trail - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1684-1691 - range map product
		3427MH0001630001201706R00	1706	target Donkey_Trail - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1674-1681 - best focus image product
		3427MH0001630001201707S00	1707	target Donkey_Trail - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1674-1681 - range map product
		3427MH0001630001201708R00	1708	target Burn_Mouth - standoff near 1 cm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1662-1669 - best focus image product
		3427MH0001630001201709S00	1709	target Burn_Mouth - standoff near 1 cm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1662-1669 - range map product
		3427MH0001630001201710R00	1710	target Burn_Mouth - stereo-2 - relief model position 2 - standoff near 5 cm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1646-1653 - best focus image product
		3427MH0001630001201711S00	1711	target Burn_Mouth - stereo-2 - relief model position 2 - standoff near 5 cm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1646-1653 - range map product
		3427MH0001630001201712R00	1712	target Burn_Mouth - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1636-1643 - best focus image product
		3427MH0001630001201713S00	1713	target Burn_Mouth - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3425 with MSL CAMERA_PRODUCT_IDs 1636-1643 - range map product

updated: 14_October_2022

Sol 3428 - MAHLI Images

acquired/performed date(s):	29-Mar-22
camera positions:	14
total parent images:	124
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	124

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the DRT-brushed target Venlaw, on which MAHLI acquired a 1x6 mosaic, and the target Broadfell.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Venlaw after DRT ~25 cm standoff	3428MH0001900001201714C00	1714	autofocus sub-frame for target Venlaw - after dust removal tool (DRT) - standoff near 25 cm
		3428MH0001900011201715C00	1715	target Venlaw - after dust removal tool (DRT) - standoff near 25 cm
mhli00299	Venlaw after DRT stereo-1 ~5 cm standoff	3428MH0002990001201716C00	1716	autofocus sub-frame for target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3428MH0002990011201717C00	1717	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3428MH0002990021201718C00	1718	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3428MH0002990021201719C00	1719	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3428MH0002990021201720C00	1720	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3428MH0002990021201721C00	1721	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3428MH0002990021201722C00	1722	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3428MH0002990021201723C00	1723	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3428MH0002990021201724C00	1724	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3428MH0002990021201725C00	1725	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00299	Venlaw after DRT stereo-2 ~5 cm standoff	3428MH0002990001201726C00	1726	autofocus sub-frame for target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3428MH0002990011201727C00	1727	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3428MH0002990021201728C00	1728	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3428MH0002990021201729C00	1729	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3428MH0002990021201730C00	1730	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3428MH0002990021201731C00	1731	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3428MH0002990021201732C00	1732	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3428MH0002990021201733C00	1733	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3428MH0002990021201734C00	1734	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3428MH0002990021201735C00	1735	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00302	Venlaw after DRT ~2 cm standoff	3428MH0003020001201736C00	1736	autofocus sub-frame for target Venlaw - after dust removal tool (DRT) - standoff near 2 cm
		3428MH0003020011201737C00	1737	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm
		3428MH0003020021201738C00	1738	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - image 1 in 8-image relative focus stack
		3428MH0003020021201739C00	1739	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - image 2 in 8-image relative focus stack
		3428MH0003020021201740C00	1740	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - image 3 in 8-image relative focus stack
		3428MH0003020021201741C00	1741	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - image 4 in 8-image relative focus stack
		3428MH0003020021201742C00	1742	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - image 5 in 8-image relative focus stack
		3428MH0003020021201743C00	1743	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - image 6 in 8-image relative focus stack
		3428MH0003020021201744C00	1744	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - image 7 in 8-image relative focus stack
		3428MH0003020021201745C00	1745	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00342	Venlaw mosaic position 1 of 6 ~9 cm standoff	3428MH0003420001201746C00	1746	autofocus sub-frame for target Venlaw - mosaic position 1 of 6 - standoff near 9 cm
		3428MH0003420011201747C00	1747	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm
		3428MH0003420021201748C00	1748	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - image 1 in 8-image relative focus stack
		3428MH0003420021201749C00	1749	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - image 2 in 8-image relative focus stack
		3428MH0003420021201750C00	1750	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - image 3 in 8-image relative focus stack
		3428MH0003420021201751C00	1751	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - image 4 in 8-image relative focus stack
		3428MH0003420021201752C00	1752	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - image 5 in 8-image relative focus stack
		3428MH0003420021201753C00	1753	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - image 6 in 8-image relative focus stack
		3428MH0003420021201754C00	1754	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - image 7 in 8-image relative focus stack
		3428MH0003420021201755C00	1755	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - image 8 in 8-image relative focus stack
mhli00342	Venlaw mosaic position 2 of 6 ~9 cm standoff	3428MH0003420001201756C00	1756	autofocus sub-frame for target Venlaw - mosaic position 2 of 6 - standoff near 9 cm
		3428MH0003420011201757C00	1757	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm
		3428MH0003420021201758C00	1758	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - image 1 in 8-image relative focus stack
		3428MH0003420021201759C00	1759	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - image 2 in 8-image relative focus stack
		3428MH0003420021201760C00	1760	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - image 3 in 8-image relative focus stack
		3428MH0003420021201761C00	1761	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - image 4 in 8-image relative focus stack
		3428MH0003420021201762C00	1762	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - image 5 in 8-image relative focus stack
		3428MH0003420021201763C00	1763	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - image 6 in 8-image relative focus stack
		3428MH0003420021201764C00	1764	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - image 7 in 8-image relative focus stack
		3428MH0003420021201765C00	1765	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - image 8 in 8-image relative focus stack
mhli00342	Venlaw mosaic position 3 of 6 ~9 cm standoff	3428MH0003420001201766C00	1766	autofocus sub-frame for target Venlaw - mosaic position 3 of 6 - standoff near 9 cm
		3428MH0003420011201767C00	1767	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm
		3428MH0003420021201768C00	1768	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - image 1 in 8-image relative focus stack
		3428MH0003420021201769C00	1769	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - image 2 in 8-image relative focus stack
		3428MH0003420021201770C00	1770	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - image 3 in 8-image relative focus stack
		3428MH0003420021201771C00	1771	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - image 4 in 8-image relative focus stack
		3428MH0003420021201772C00	1772	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - image 5 in 8-image relative focus stack
		3428MH0003420021201773C00	1773	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - image 6 in 8-image relative focus stack
		3428MH0003420021201774C00	1774	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - image 7 in 8-image relative focus stack
		3428MH0003420021201775C00	1775	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - image 8 in 8-image relative focus stack

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mhli00342	Venlaw mosaic position 4 of 6 ~85 mm standoff	3428MH0003420001201776C00	1776	autofocus sub-frame for target Venlaw – mosaic position 4 of 6 – standoff near 85 mm
		3428MH0003420011201777C00	1777	target Venlaw – mosaic position 4 of 6 – standoff near 85 mm
		3428MH0003420021201778C00	1778	target Venlaw – mosaic position 4 of 6 – standoff near 85 mm – image 1 in 8-image relative focus stack
		3428MH0003420021201779C00	1779	target Venlaw – mosaic position 4 of 6 – standoff near 85 mm – image 2 in 8-image relative focus stack
		3428MH0003420021201780C00	1780	target Venlaw – mosaic position 4 of 6 – standoff near 85 mm – image 3 in 8-image relative focus stack
		3428MH0003420021201781C00	1781	target Venlaw – mosaic position 4 of 6 – standoff near 85 mm – image 4 in 8-image relative focus stack
		3428MH0003420021201782C00	1782	target Venlaw – mosaic position 4 of 6 – standoff near 85 mm – image 5 in 8-image relative focus stack
		3428MH0003420021201783C00	1783	target Venlaw – mosaic position 4 of 6 – standoff near 85 mm – image 6 in 8-image relative focus stack
		3428MH0003420021201784C00	1784	target Venlaw – mosaic position 4 of 6 – standoff near 85 mm – image 7 in 8-image relative focus stack
		3428MH0003420021201785C00	1785	target Venlaw – mosaic position 4 of 6 – standoff near 85 mm – image 8 in 8-image relative focus stack
mhli00342	Venlaw mosaic position 5 of 6 ~7 cm standoff	3428MH0003420001201786C00	1786	autofocus sub-frame for target Venlaw – mosaic position 5 of 6 – standoff near 7 cm
		3428MH0003420011201787C00	1787	target Venlaw – mosaic position 5 of 6 – standoff near 7 cm
		3428MH0003420021201788C00	1788	target Venlaw – mosaic position 5 of 6 – standoff near 7 cm – image 1 in 8-image relative focus stack
		3428MH0003420021201789C00	1789	target Venlaw – mosaic position 5 of 6 – standoff near 7 cm – image 2 in 8-image relative focus stack
		3428MH0003420021201790C00	1790	target Venlaw – mosaic position 5 of 6 – standoff near 7 cm – image 3 in 8-image relative focus stack
		3428MH0003420021201791C00	1791	target Venlaw – mosaic position 5 of 6 – standoff near 7 cm – image 4 in 8-image relative focus stack
		3428MH0003420021201792C00	1792	target Venlaw – mosaic position 5 of 6 – standoff near 7 cm – image 5 in 8-image relative focus stack
		3428MH0003420021201793C00	1793	target Venlaw – mosaic position 5 of 6 – standoff near 7 cm – image 6 in 8-image relative focus stack
		3428MH0003420021201794C00	1794	target Venlaw – mosaic position 5 of 6 – standoff near 7 cm – image 7 in 8-image relative focus stack
		3428MH0003420021201795C00	1795	target Venlaw – mosaic position 5 of 6 – standoff near 7 cm – image 8 in 8-image relative focus stack
mhli00342	Venlaw mosaic position 6 of 6 ~55 mm standoff	3428MH0003420001201796C00	1796	autofocus sub-frame for target Venlaw – mosaic position 6 of 6 – standoff near 55 mm
		3428MH0003420011201797C00	1797	target Venlaw – mosaic position 6 of 6 – standoff near 55 mm
		3428MH0003420021201798C00	1798	target Venlaw – mosaic position 6 of 6 – standoff near 55 mm – image 1 in 8-image relative focus stack
		3428MH0003420021201799C00	1799	target Venlaw – mosaic position 6 of 6 – standoff near 55 mm – image 2 in 8-image relative focus stack
		3428MH0003420021201800C00	1800	target Venlaw – mosaic position 6 of 6 – standoff near 55 mm – image 3 in 8-image relative focus stack
		3428MH0003420021201801C00	1801	target Venlaw – mosaic position 6 of 6 – standoff near 55 mm – image 4 in 8-image relative focus stack
		3428MH0003420021201802C00	1802	target Venlaw – mosaic position 6 of 6 – standoff near 55 mm – image 5 in 8-image relative focus stack
		3428MH0003420021201803C00	1803	target Venlaw – mosaic position 6 of 6 – standoff near 55 mm – image 6 in 8-image relative focus stack
		3428MH0003420021201804C00	1804	target Venlaw – mosaic position 6 of 6 – standoff near 55 mm – image 7 in 8-image relative focus stack
		3428MH0003420021201805C00	1805	target Venlaw – mosaic position 6 of 6 – standoff near 55 mm – image 8 in 8-image relative focus stack
mhli00190	Broadfell ~25 cm standoff	3428MH0001900001201806C00	1806	autofocus sub-frame for target Broadfell – standoff near 25 cm
		3428MH0001900011201807C00	1807	target Broadfell – standoff near 25 cm
mhli00308	Broadfell stereo-1 ~5 cm standoff	3428MH0003080001201808C00	1808	autofocus sub-frame for target Broadfell – stereo-1 – standoff near 5 cm
		3428MH0003080011201809C00	1809	target Broadfell – stereo-1 – standoff near 5 cm
		3428MH0003080021201810C00	1810	target Broadfell – stereo-1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3428MH0003080021201811C00	1811	target Broadfell – stereo-1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3428MH0003080021201812C00	1812	target Broadfell – stereo-1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3428MH0003080021201813C00	1813	target Broadfell – stereo-1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3428MH0003080021201814C00	1814	target Broadfell – stereo-1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3428MH0003080021201815C00	1815	target Broadfell – stereo-1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3428MH0003080021201816C00	1816	target Broadfell – stereo-1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3428MH0003080021201817C00	1817	target Broadfell – stereo-1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00308	Broadfell stereo-2 ~5 cm standoff	3428MH0003080001201818C00	1818	autofocus sub-frame for target Broadfell – stereo-2 – standoff near 5 cm
		3428MH0003080011201819C00	1819	target Broadfell – stereo-2 – standoff near 5 cm
		3428MH0003080021201820C00	1820	target Broadfell – stereo-2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3428MH0003080021201821C00	1821	target Broadfell – stereo-2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3428MH0003080021201822C00	1822	target Broadfell – stereo-2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3428MH0003080021201823C00	1823	target Broadfell – stereo-2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3428MH0003080021201824C00	1824	target Broadfell – stereo-2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3428MH0003080021201825C00	1825	target Broadfell – stereo-2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3428MH0003080021201826C00	1826	target Broadfell – stereo-2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3428MH0003080021201827C00	1827	target Broadfell – stereo-2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00716	Broadfell ~1 cm standoff	3428MH0007160001201828C00	1828	autofocus sub-frame for target Broadfell – standoff near 1 cm
		3428MH0007160011201829C00	1829	target Broadfell – standoff near 1 cm
		3428MH0007160021201830C00	1830	target Broadfell – standoff near 1 cm – image 1 in 8-image relative focus stack
		3428MH0007160021201831C00	1831	target Broadfell – standoff near 1 cm – image 2 in 8-image relative focus stack
		3428MH0007160021201832C00	1832	target Broadfell – standoff near 1 cm – image 3 in 8-image relative focus stack
		3428MH0007160021201833C00	1833	target Broadfell – standoff near 1 cm – image 4 in 8-image relative focus stack
		3428MH0007160021201834C00	1834	target Broadfell – standoff near 1 cm – image 5 in 8-image relative focus stack
		3428MH0007160021201835C00	1835	target Broadfell – standoff near 1 cm – image 6 in 8-image relative focus stack
		3428MH0007160021201836C00	1836	target Broadfell – standoff near 1 cm – image 7 in 8-image relative focus stack
		3428MH0007160021201837C00	1837	target Broadfell – standoff near 1 cm – image 8 in 8-image relative focus stack

updated: 21_March_2023

Sol 3429 - MAHLI Images

acquired/performed date(s):	30-Mar-22
camera positions:	0
total parent images:	0
focus merges performed:	12
total focus merge products:	24
total parent images + focus merge products:	24

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3428 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00458	Focus Merges	3429MH0004580001201838R00	1838	target Broadfell - standoff near 1 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1830-1837 - best focus image product
		3429MH0004580001201839S00	1839	target Broadfell - standoff near 1 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1830-1837 - range map product
		3429MH0004580001201840R00	1840	target Broadfell - stereo-2 - standoff near 5 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1820-1827 - best focus image product
		3429MH0004580001201841S00	1841	target Broadfell - stereo-2 - standoff near 5 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1820-1827 - range map product
		3429MH0004580001201842R00	1842	target Broadfell - stereo-1 - standoff near 5 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1810-1817 - best focus image product
		3429MH0004580001201843S00	1843	target Broadfell - stereo-1 - standoff near 5 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1810-1817 - range map product
		3429MH0004580001201844R00	1844	target Venlaw - mosaic position 6 of 6 - standoff near 55 mm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1798-1805 - best focus image product
		3429MH0004580001201845S00	1845	target Venlaw - mosaic position 6 of 6 - standoff near 55 mm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1798-1805 - range map product
		3429MH0004580001201846R00	1846	target Venlaw - mosaic position 5 of 6 - standoff near 7 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1788-1795 - best focus image product
		3429MH0004580001201847S00	1847	target Venlaw - mosaic position 5 of 6 - standoff near 7 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1788-1795 - range map product
		3429MH0004580001201848R00	1848	target Venlaw - mosaic position 4 of 6 - standoff near 85 mm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1778-1785 - best focus image product
		3429MH0004580001201849S00	1849	target Venlaw - mosaic position 4 of 6 - standoff near 85 mm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1778-1785 - range map product
		3429MH0004580001201850R00	1850	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1768-1775 - best focus image product
		3429MH0004580001201851S00	1851	target Venlaw - mosaic position 3 of 6 - standoff near 9 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1768-1775 - range map product
		3429MH0004580001201852R00	1852	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1758-1765 - best focus image product
		3429MH0004580001201853S00	1853	target Venlaw - mosaic position 2 of 6 - standoff near 9 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1758-1765 - range map product
		3429MH0004580001201854R00	1854	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1748-1755 - best focus image product
		3429MH0004580001201855S00	1855	target Venlaw - mosaic position 1 of 6 - standoff near 9 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1748-1755 - range map product
		3429MH0004580001201856R00	1856	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1738-1745 - best focus image product
		3429MH0004580001201857S00	1857	target Venlaw - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1738-1745 - range map product
		3429MH0004580001201858R00	1858	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1728-1735 - best focus image product
		3429MH0004580001201859S00	1859	target Venlaw - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1728-1735 - range map product
		3429MH0004580001201860R00	1860	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1718-1725 - best focus image product
		3429MH0004580001201861S00	1861	target Venlaw - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3428 with MSL CAMERA_PRODUCT_IDs 1718-1725 - range map product

updated: 09_June_2022

Sol 3432 - MAHLI Images

acquired/performed date(s):	2-Apr-22
camera positions:	13
total parent images:	73
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	73

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Blue_Anchor and Baa.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00706	Blue_Anchor ~25 cm standoff	3432MH0007060001201862C00	1862	autofocus sub-frame for target Blue_Anchor – standoff near 25 cm
		3432MH0007060011201863C00	1863	target Blue_Anchor – standoff near 25 cm
		3432MH0007060021201864C00	1864	target Blue_Anchor – standoff near 25 cm – alternative auto-exposure
mhli00708	Blue_Anchor stereo-1 relief model position 1 ~5 cm standoff	3432MH0007080001201865C00	1865	autofocus sub-frame for target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm
		3432MH0007080011201866C00	1866	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm
		3432MH0007080021201867C00	1867	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm – alternative auto-exposure
		3432MH0007080031201868C00	1868	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3432MH0007080031201869C00	1869	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3432MH0007080031201870C00	1870	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3432MH0007080031201871C00	1871	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3432MH0007080031201872C00	1872	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3432MH0007080031201873C00	1873	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3432MH0007080031201874C00	1874	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3432MH0007080031201875C00	1875	target Blue_Anchor – stereo-1 – relief model position 1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00708	Blue_Anchor stereo-2 relief model position 2 ~55 mm standoff	3432MH0007080001201876C00	1876	autofocus sub-frame for target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm
		3432MH0007080011201877C00	1877	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm
		3432MH0007080021201878C00	1878	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm – alternative auto-exposure
		3432MH0007080031201879C00	1879	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm – image 1 in 8-image relative focus stack
		3432MH0007080031201880C00	1880	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm – image 2 in 8-image relative focus stack
		3432MH0007080031201881C00	1881	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm – image 3 in 8-image relative focus stack
		3432MH0007080031201882C00	1882	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm – image 4 in 8-image relative focus stack
		3432MH0007080031201883C00	1883	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm – image 5 in 8-image relative focus stack
		3432MH0007080031201884C00	1884	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm – image 6 in 8-image relative focus stack
		3432MH0007080031201885C00	1885	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm – image 7 in 8-image relative focus stack
		3432MH0007080031201886C00	1886	target Blue_Anchor – stereo-2 – relief model position 2 – standoff near 55 mm – image 8 in 8-image relative focus stack
mhli00705	Blue_Anchor relief model position 3 ~5 cm standoff	3432MH0007050001201887C00	1887	autofocus sub-frame for target Blue_Anchor – relief model position 3 – standoff near 5 cm
		3432MH0007050011201888C00	1888	target Blue_Anchor – relief model position 3 – standoff near 5 cm
mhli00705	Blue_Anchor relief model position 4 ~5 cm standoff	3432MH0007050001201889C00	1889	autofocus sub-frame for target Blue_Anchor – relief model position 4 – standoff near 5 cm
		3432MH0007050011201890C00	1890	target Blue_Anchor – relief model position 4 – standoff near 5 cm
mhli00705	Blue_Anchor relief model position 5 ~5 cm standoff	3432MH0007050001201891C00	1891	autofocus sub-frame for target Blue_Anchor – relief model position 5 – standoff near 5 cm
		3432MH0007050011201892C00	1892	target Blue_Anchor – relief model position 5 – standoff near 5 cm
mhli00795	Blue_Anchor ~2 cm standoff	3432MH0007950001201893C00	1893	autofocus sub-frame for target Blue_Anchor – standoff near 2 cm
		3432MH0007950011201894C00	1894	target Blue_Anchor – standoff near 2 cm
		3432MH0007950021201895C00	1895	target Blue_Anchor – standoff near 2 cm – alternative auto-exposure
		3432MH0007950031201896C00	1896	target Blue_Anchor – standoff near 2 cm – image 1 in 8-image relative focus stack
		3432MH0007950031201897C00	1897	target Blue_Anchor – standoff near 2 cm – image 2 in 8-image relative focus stack
		3432MH0007950031201898C00	1898	target Blue_Anchor – standoff near 2 cm – image 3 in 8-image relative focus stack
		3432MH0007950031201899C00	1899	target Blue_Anchor – standoff near 2 cm – image 4 in 8-image relative focus stack
		3432MH0007950031201900C00	1900	target Blue_Anchor – standoff near 2 cm – image 5 in 8-image relative focus stack
		3432MH0007950031201901C00	1901	target Blue_Anchor – standoff near 2 cm – image 6 in 8-image relative focus stack
		3432MH0007950031201902C00	1902	target Blue_Anchor – standoff near 2 cm – image 7 in 8-image relative focus stack
		3432MH0007950031201903C00	1903	target Blue_Anchor – standoff near 2 cm – image 8 in 8-image relative focus stack
mhli00706	Baa ~25 cm standoff	3432MH0007060001201904C00	1904	autofocus sub-frame for target Baa – standoff near 25 cm
		3432MH0007060011201905C00	1905	target Baa – standoff near 25 cm
		3432MH0007060021201906C00	1906	target Baa – standoff near 25 cm – alternative auto-exposure
mhli00803	Baa stereo-1 relief model position 1 ~4 cm standoff	3432MH0008030001201907C00	1907	autofocus sub-frame for target Baa – stereo-1 – relief model position 1 – standoff near 4 cm
		3432MH0008030011201908C00	1908	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm
		3432MH0008030021201909C00	1909	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm – alternative auto-exposure
		3432MH0008030031201910C00	1910	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm – image 1 in 8-image relative focus stack
		3432MH0008030031201911C00	1911	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm – image 2 in 8-image relative focus stack
		3432MH0008030031201912C00	1912	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm – image 3 in 8-image relative focus stack
		3432MH0008030031201913C00	1913	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm – image 4 in 8-image relative focus stack
		3432MH0008030031201914C00	1914	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm – image 5 in 8-image relative focus stack
		3432MH0008030031201915C00	1915	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm – image 6 in 8-image relative focus stack
		3432MH0008030031201916C00	1916	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm – image 7 in 8-image relative focus stack
		3432MH0008030031201917C00	1917	target Baa – stereo-1 – relief model position 1 – standoff near 4 cm – image 8 in 8-image relative focus stack
mhli00803	Baa stereo-2 relief model position 2 ~4 cm standoff	3432MH0008030001201918C00	1918	autofocus sub-frame for target Baa – stereo-2 – relief model position 2 – standoff near 4 cm
		3432MH0008030011201919C00	1919	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm
		3432MH0008030021201920C00	1920	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm – alternative auto-exposure
		3432MH0008030031201921C00	1921	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm – image 1 in 8-image relative focus stack
		3432MH0008030031201922C00	1922	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm – image 2 in 8-image relative focus stack
		3432MH0008030031201923C00	1923	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm – image 3 in 8-image relative focus stack
		3432MH0008030031201924C00	1924	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm – image 4 in 8-image relative focus stack
		3432MH0008030031201925C00	1925	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm – image 5 in 8-image relative focus stack
		3432MH0008030031201926C00	1926	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm – image 6 in 8-image relative focus stack
		3432MH0008030031201927C00	1927	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm – image 7 in 8-image relative focus stack
		3432MH0008030031201928C00	1928	target Baa – stereo-2 – relief model position 2 – standoff near 4 cm – image 8 in 8-image relative focus stack

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mhli00705	Baa relief model position 3 ~4 cm standoff	3432MH0007050001201929C00	1929	autofocus sub-frame for target Baa – relief model position 3 – standoff near 4 cm
		3432MH0007050011201930C00	1930	target Baa – relief model position 3 – standoff near 4 cm
mhli00705	Baa relief model position 4 ~4 cm standoff	3432MH0007050001201931C00	1931	autofocus sub-frame for target Baa – relief model position 4 – standoff near 4 cm
		3432MH0007050011201932C00	1932	target Baa – relief model position 4 – standoff near 4 cm
mhli00705	Baa relief model position 5 ~4 cm standoff	3432MH0007050001201933C00	1933	autofocus sub-frame for target Baa – relief model position 5 – standoff near 4 cm
		3432MH0007050011201934C00	1934	target Baa – relief model position 5 – standoff near 4 cm

updated: 04_April_2022

Sol 3433 - MAHLI Images

acquired/performed date(s):	3-Apr-22
camera positions:	0
total parent images:	0
focus merges performed:	5
total focus merge products:	10
total parent images + focus merge products:	10

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3432 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00227	Focus Merges	3433MH0002270001201935R00	1935	target Baa - stereo-2 - relief model position 2 - standoff near 4 cm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1921-1928 - best focus image product
		3433MH0002270001201936S00	1936	target Baa - stereo-2 - relief model position 2 - standoff near 4 cm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1921-1928 - range map product
		3433MH0002270001201937R00	1937	target Baa - stereo-1 - relief model position 1 - standoff near 4 cm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1910-1917 - best focus image product
		3433MH0002270001201938S00	1938	target Baa - stereo-1 - relief model position 1 - standoff near 4 cm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1910-1917 - range map product
		3433MH0002270001201939R00	1939	target Blue_Anchor - standoff near 2 cm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1896-1903 - best focus image product
		3433MH0002270001201940S00	1940	target Blue_Anchor - standoff near 2 cm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1896-1903 - range map product
		3433MH0002270001201941R00	1941	target Blue_Anchor - stereo-2 - relief model position 2 - standoff near 55 mm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1879-1886 - best focus image product
		3433MH0002270001201942S00	1942	target Blue_Anchor - stereo-2 - relief model position 2 - standoff near 55 mm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1879-1886 - range map product
		3433MH0002270001201943R00	1943	target Blue_Anchor - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1868-1875 - best focus image product
		3433MH0002270001201944S00	1944	target Blue_Anchor - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3432 with MSL CAMERA_PRODUCT_IDs 1868-1875 - range map product

updated: 10_June_2022

Sol 3436 - MAHLI Images

acquired/performed date(s):	6-Apr-22
camera positions:	4
total parent images:	32
focus merges performed:	3
total focus merge products:	6
total parent images + focus merge products:	38

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Broo and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit) 0123456789 0123456789
mhli00190	Broo ~25 cm standoff	3436MH0001900001201945C00	1945	autofocus sub-frame for target Broo - standoff near 25 cm
		3436MH0001900011201946C00	1946	target Broo - standoff near 25 cm
mhli00168	Broo stereo-1 ~5 cm standoff	3436MH0001680001201947C00	1947	autofocus sub-frame for target Broo - stereo-1 - standoff near 5 cm
		3436MH0001680011201948C00	1948	target Broo - stereo-1 - standoff near 5 cm
		3436MH0001680021201949C00	1949	target Broo - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3436MH0001680021201950C00	1950	target Broo - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3436MH0001680021201951C00	1951	target Broo - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3436MH0001680021201952C00	1952	target Broo - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3436MH0001680021201953C00	1953	target Broo - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3436MH0001680021201954C00	1954	target Broo - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3436MH0001680021201955C00	1955	target Broo - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3436MH0001680021201956C00	1956	target Broo - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00168	Broo stereo-2 ~5 cm standoff	3436MH0001680001201957C00	1957	autofocus sub-frame for target Broo - stereo-2 - standoff near 5 cm
		3436MH0001680011201958C00	1958	target Broo - stereo-2 - standoff near 5 cm
		3436MH0001680021201959C00	1959	target Broo - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3436MH0001680021201960C00	1960	target Broo - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3436MH0001680021201961C00	1961	target Broo - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3436MH0001680021201962C00	1962	target Broo - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3436MH0001680021201963C00	1963	target Broo - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3436MH0001680021201964C00	1964	target Broo - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3436MH0001680021201965C00	1965	target Broo - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3436MH0001680021201966C00	1966	target Broo - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00302	Broo ~2 cm standoff	3436MH0003020001201967C00	1967	autofocus sub-frame for target Broo - standoff near 2 cm
		3436MH0003020011201968C00	1968	target Broo - standoff near 2 cm
		3436MH0003020021201969C00	1969	target Broo - standoff near 2 cm - image 1 in 8-image relative focus stack
		3436MH0003020021201970C00	1970	target Broo - standoff near 2 cm - image 2 in 8-image relative focus stack
		3436MH0003020021201971C00	1971	target Broo - standoff near 2 cm - image 3 in 8-image relative focus stack
		3436MH0003020021201972C00	1972	target Broo - standoff near 2 cm - image 4 in 8-image relative focus stack
		3436MH0003020021201973C00	1973	target Broo - standoff near 2 cm - image 5 in 8-image relative focus stack
		3436MH0003020021201974C00	1974	target Broo - standoff near 2 cm - image 6 in 8-image relative focus stack
		3436MH0003020021201975C00	1975	target Broo - standoff near 2 cm - image 7 in 8-image relative focus stack
		3436MH0003020021201976C00	1976	target Broo - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00193	Focus Merges	3436MH0001930001201977R00	1977	target Broo - standoff near 2 cm - focus stack acquired sol 3436 with MSL CAMERA_PRODUCT_IDs 1969-1976 - best focus image product
		3436MH0001930001201978S00	1978	target Broo - standoff near 2 cm - focus stack acquired sol 3436 with MSL CAMERA_PRODUCT_IDs 1969-1976 - range map product
		3436MH0001930001201979R00	1979	target Broo - stereo-2 - standoff near 5 cm - focus stack acquired sol 3436 with MSL CAMERA_PRODUCT_IDs 1959-1966 - best focus image product
		3436MH0001930001201980S00	1980	target Broo - stereo-2 - standoff near 5 cm - focus stack acquired sol 3436 with MSL CAMERA_PRODUCT_IDs 1959-1966 - range map product
		3436MH0001930001201981R00	1981	target Broo - stereo-1 - standoff near 5 cm - focus stack acquired sol 3436 with MSL CAMERA_PRODUCT_IDs 1949-1956 - best focus image product
		3436MH0001930001201982S00	1982	target Broo - stereo-1 - standoff near 5 cm - focus stack acquired sol 3436 with MSL CAMERA_PRODUCT_IDs 1949-1956 - range map product

updated: 13_June_2022

Sol 3439 - MAHLI Images

acquired/performed date(s):	9-Apr-22
camera positions:	12
total parent images:	100
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	100

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Lodberrie and Sneuga and acquired a 1x3 mosaic from ~5 cm standoff on the target Inchbonny.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00706	Lodberrie ~25 cm standoff	3439MH0007060001201983C00	1983	autofocus sub-frame for target Lodberrie - standoff near 25 cm
		3439MH0007060011201984C00	1984	target Lodberrie - standoff near 25 cm
		3439MH0007060021201985C00	1985	target Lodberrie - standoff near 25 cm - alternative auto-exposure
mhli00723	Lodberrie stereo-1 ~5 cm standoff	3439MH0007230001201986C00	1986	autofocus sub-frame for target Lodberrie - stereo-1 - standoff near 5 cm
		3439MH0007230011201987C00	1987	target Lodberrie - stereo-1 - standoff near 5 cm
		3439MH0007230021201988C00	1988	target Lodberrie - stereo-1 - standoff near 5 cm - alternative auto-exposure
		3439MH0007230031201989C00	1989	target Lodberrie - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3439MH0007230031201990C00	1990	target Lodberrie - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3439MH0007230031201991C00	1991	target Lodberrie - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3439MH0007230031201992C00	1992	target Lodberrie - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3439MH0007230031201993C00	1993	target Lodberrie - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3439MH0007230031201994C00	1994	target Lodberrie - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3439MH0007230031201995C00	1995	target Lodberrie - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3439MH0007230031201996C00	1996	target Lodberrie - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00723	Lodberrie stereo-2 ~5 cm standoff	3439MH0007230001201997C00	1997	autofocus sub-frame for target Lodberrie - stereo-2 - standoff near 5 cm
		3439MH0007230011201998C00	1998	target Lodberrie - stereo-2 - standoff near 5 cm
		3439MH0007230021201999C00	1999	target Lodberrie - stereo-2 - standoff near 5 cm - alternative auto-exposure
		3439MH0007230031202000C00	2000	target Lodberrie - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3439MH0007230031202001C00	2001	target Lodberrie - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3439MH0007230031202002C00	2002	target Lodberrie - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3439MH0007230031202003C00	2003	target Lodberrie - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3439MH0007230031202004C00	2004	target Lodberrie - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3439MH0007230031202005C00	2005	target Lodberrie - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3439MH0007230031202006C00	2006	target Lodberrie - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3439MH0007230031202007C00	2007	target Lodberrie - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00746	Lodberrie ~2 cm standoff	3439MH0007460001202008C00	2008	autofocus sub-frame for target Lodberrie - standoff near 2 cm
		3439MH0007460011202009C00	2009	target Lodberrie - standoff near 2 cm
		3439MH0007460021202010C00	2010	target Lodberrie - standoff near 2 cm - alternative auto-exposure
		3439MH0007460031202011C00	2011	target Lodberrie - standoff near 2 cm - image 1 in 8-image relative focus stack
		3439MH0007460031202012C00	2012	target Lodberrie - standoff near 2 cm - image 2 in 8-image relative focus stack
		3439MH0007460031202013C00	2013	target Lodberrie - standoff near 2 cm - image 3 in 8-image relative focus stack
		3439MH0007460031202014C00	2014	target Lodberrie - standoff near 2 cm - image 4 in 8-image relative focus stack
		3439MH0007460031202015C00	2015	target Lodberrie - standoff near 2 cm - image 5 in 8-image relative focus stack
		3439MH0007460031202016C00	2016	target Lodberrie - standoff near 2 cm - image 6 in 8-image relative focus stack
		3439MH0007460031202017C00	2017	target Lodberrie - standoff near 2 cm - image 7 in 8-image relative focus stack
		3439MH0007460031202018C00	2018	target Lodberrie - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00190	Sneuga ~25 cm standoff	3439MH0001900001202019C00	2019	autofocus sub-frame for target Sneuga - standoff near 25 cm
		3439MH0001900011202020C00	2020	target Sneuga - standoff near 25 cm
mhli00152	Sneuga stereo-1 ~5 cm standoff	3439MH0001520001202021C00	2021	autofocus sub-frame for target Sneuga - stereo-1 - standoff near 5 cm
		3439MH0001520011202022C00	2022	target Sneuga - stereo-1 - standoff near 5 cm
		3439MH0001520021202023C00	2023	target Sneuga - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3439MH0001520021202024C00	2024	target Sneuga - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3439MH0001520021202025C00	2025	target Sneuga - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3439MH0001520021202026C00	2026	target Sneuga - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3439MH0001520021202027C00	2027	target Sneuga - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3439MH0001520021202028C00	2028	target Sneuga - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3439MH0001520021202029C00	2029	target Sneuga - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3439MH0001520021202030C00	2030	target Sneuga - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00152	Sneuga stereo-2 ~5 cm standoff	3439MH0001520001202031C00	2031	autofocus sub-frame for target Sneuga - stereo-2 - standoff near 5 cm
		3439MH0001520011202032C00	2032	target Sneuga - stereo-2 - standoff near 5 cm
		3439MH0001520021202033C00	2033	target Sneuga - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3439MH0001520021202034C00	2034	target Sneuga - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3439MH0001520021202035C00	2035	target Sneuga - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3439MH0001520021202036C00	2036	target Sneuga - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3439MH0001520021202037C00	2037	target Sneuga - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3439MH0001520021202038C00	2038	target Sneuga - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3439MH0001520021202039C00	2039	target Sneuga - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3439MH0001520021202040C00	2040	target Sneuga - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00176	Sneuga ~2 cm standoff	3439MH0001760001202041C00	2041	autofocus sub-frame for target Sneuga - standoff near 2 cm
		3439MH0001760011202042C00	2042	target Sneuga - standoff near 2 cm
		3439MH0001760021202043C00	2043	target Sneuga - standoff near 2 cm - image 1 in 8-image relative focus stack
		3439MH0001760021202044C00	2044	target Sneuga - standoff near 2 cm - image 2 in 8-image relative focus stack
		3439MH0001760021202045C00	2045	target Sneuga - standoff near 2 cm - image 3 in 8-image relative focus stack
		3439MH0001760021202046C00	2046	target Sneuga - standoff near 2 cm - image 4 in 8-image relative focus stack
		3439MH0001760021202047C00	2047	target Sneuga - standoff near 2 cm - image 5 in 8-image relative focus stack
		3439MH0001760021202048C00	2048	target Sneuga - standoff near 2 cm - image 6 in 8-image relative focus stack
		3439MH0001760021202049C00	2049	target Sneuga - standoff near 2 cm - image 7 in 8-image relative focus stack
		3439MH0001760021202050C00	2050	target Sneuga - standoff near 2 cm - image 8 in 8-image relative focus stack

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mhll00190	Inchbonny ~23 cm standoff	3439MH0001900001202051C00	2051	autofocus sub-frame for target Inchbonny – standoff near 23 cm
		3439MH0001900011202052C00	2052	target Inchbonny – standoff near 23 cm
mhll00299	Inchbonny mosaic position 1 of 3 ~4 cm standoff	3439MH0002990001202053C00	2053	autofocus sub-frame for target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm
		3439MH0002990011202054C00	2054	target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm
		3439MH0002990021202055C00	2055	target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm – image 1 in 8-image relative focus stack
		3439MH0002990021202056C00	2056	target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm – image 2 in 8-image relative focus stack
		3439MH0002990021202057C00	2057	target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm – image 3 in 8-image relative focus stack
		3439MH0002990021202058C00	2058	target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm – image 4 in 8-image relative focus stack
		3439MH0002990021202059C00	2059	target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm – image 5 in 8-image relative focus stack
		3439MH0002990021202060C00	2060	target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm – image 6 in 8-image relative focus stack
		3439MH0002990021202061C00	2061	target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm – image 7 in 8-image relative focus stack
		3439MH0002990021202062C00	2062	target Inchbonny – mosaic position 1 of 3 – standoff near 4 cm – image 8 in 8-image relative focus stack
mhll00299	Inchbonny mosaic position 2 of 3 ~45 mm standoff	3439MH0002990001202063C00	2063	autofocus sub-frame for target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm
		3439MH0002990011202064C00	2064	target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm
		3439MH0002990021202065C00	2065	target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm – image 1 in 8-image relative focus stack
		3439MH0002990021202066C00	2066	target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm – image 2 in 8-image relative focus stack
		3439MH0002990021202067C00	2067	target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm – image 3 in 8-image relative focus stack
		3439MH0002990021202068C00	2068	target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm – image 4 in 8-image relative focus stack
		3439MH0002990021202069C00	2069	target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm – image 5 in 8-image relative focus stack
		3439MH0002990021202070C00	2070	target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm – image 6 in 8-image relative focus stack
		3439MH0002990021202071C00	2071	target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm – image 7 in 8-image relative focus stack
		3439MH0002990021202072C00	2072	target Inchbonny – mosaic position 2 of 3 – standoff near 45 mm – image 8 in 8-image relative focus stack
mhll00299	Inchbonny mosaic position 3 of 3 ~5 cm standoff	3439MH0002990001202073C00	2073	autofocus sub-frame for target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm
		3439MH0002990011202074C00	2074	target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm
		3439MH0002990021202075C00	2075	target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3439MH0002990021202076C00	2076	target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3439MH0002990021202077C00	2077	target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3439MH0002990021202078C00	2078	target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3439MH0002990021202079C00	2079	target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3439MH0002990021202080C00	2080	target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3439MH0002990021202081C00	2081	target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3439MH0002990021202082C00	2082	target Inchbonny – mosaic position 3 of 3 – standoff near 5 cm – image 8 in 8-image relative focus stack

updated: 11_April_2022

Sol 3440 - MAHLI Images

acquired/performed date(s):	10-Apr-22
camera positions:	0
total parent images:	0
focus merges performed:	9
total focus merge products:	18
total parent images + focus merge products:	18

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3439 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli0536	Focus Merges	3440MH0005360001202083R00	2083	target Inchbonny - mosaic position 3 of 3 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2075-2082 - best focus image product
		3440MH0005360001202084S00	2084	target Inchbonny - mosaic position 3 of 3 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2075-2082 - range map product
		3440MH0005360001202085R00	2085	target Inchbonny - mosaic position 2 of 3 - standoff near 45 mm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2065-2072 - best focus image product
		3440MH0005360001202086S00	2086	target Inchbonny - mosaic position 2 of 3 - standoff near 45 mm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2065-2072 - range map product
		3440MH0005360001202087R00	2087	target Inchbonny - mosaic position 1 of 3 - standoff near 4 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2055-2062 - best focus image product
		3440MH0005360001202088S00	2088	target Inchbonny - mosaic position 1 of 3 - standoff near 4 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2055-2062 - range map product
		3440MH0005360001202089R00	2089	target Sneuga - standoff near 2 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2043-2050 - best focus image product
		3440MH0005360001202090S00	2090	target Sneuga - standoff near 2 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2043-2050 - range map product
		3440MH0005360001202091R00	2091	target Sneuga - stereo-2 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2033-2040 - best focus image product
		3440MH0005360001202092S00	2092	target Sneuga - stereo-2 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2033-2040 - range map product
		3440MH0005360001202093R00	2093	target Sneuga - stereo-1 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2023-2030 - best focus image product
		3440MH0005360001202094S00	2094	target Sneuga - stereo-1 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2023-2030 - range map product
		3440MH0005360001202095R00	2095	target Lodberrie - standoff near 2 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2011-2018 - best focus image product
		3440MH0005360001202096S00	2096	target Lodberrie - standoff near 2 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2011-2018 - range map product
		3440MH0005360001202097R00	2097	target Lodberrie - stereo-2 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2000-2007 - best focus image product
		3440MH0005360001202098S00	2098	target Lodberrie - stereo-2 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 2000-2007 - range map product
		3440MH0005360001202099R00	2099	target Lodberrie - stereo-1 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 1989-1996 - best focus image product
		3440MH0005360001202100S00	2100	target Lodberrie - stereo-1 - standoff near 5 cm - focus stack acquired sol 3439 with MSL CAMERA_PRODUCT_IDs 1989-1996 - range map product

updated: 13_June_2022

Sol 3442 - MAHLI Images

acquired/performed date(s):	12-Apr-22
camera positions:	15
total parent images:	102
focus merges performed:	9
total focus merge products:	18
total parent images + focus merge products:	120

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the DRT-brushed target Brackenberry and the targets Skidbladner and Up_Helly_Aa. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Brackenberry before DRT ~25 cm standoff	3442MH0001900001202101C00	2101	autofocus sub-frame for target Brackenberry - before dust removal tool (DRT) - standoff near 25 cm
		3442MH0001900011202102C00	2102	target Brackenberry - before dust removal tool (DRT) - standoff near 25 cm
mhli00122	Brackenberry before DRT ~5 cm standoff	3442MH0001220001202103C00	2103	autofocus sub-frame for target Brackenberry - before dust removal tool (DRT) - standoff near 5 cm
		3442MH0001220011202104C00	2104	target Brackenberry - before dust removal tool (DRT) - standoff near 5 cm
mhli00190	Brackenberry after DRT ~25 cm standoff	3442MH0001900001202105C00	2105	autofocus sub-frame for target Brackenberry - after dust removal tool (DRT) - standoff near 25 cm
		3442MH0001900011202106C00	2106	target Brackenberry - after dust removal tool (DRT) - standoff near 25 cm
mhli00168	Brackenberry after DRT stereo-1 ~5 cm standoff	3442MH0001680001202107C00	2107	autofocus sub-frame for target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3442MH0001680011202108C00	2108	target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3442MH0001680021202109C00	2109	target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3442MH0001680021202110C00	2110	target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3442MH0001680021202111C00	2111	target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3442MH0001680021202112C00	2112	target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3442MH0001680021202113C00	2113	target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3442MH0001680021202114C00	2114	target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3442MH0001680021202115C00	2115	target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3442MH0001680021202116C00	2116	target Brackenberry - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00168	Brackenberry after DRT stereo-2 ~5 cm standoff	3442MH0001680001202117C00	2117	autofocus sub-frame for target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3442MH0001680011202118C00	2118	target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3442MH0001680021202119C00	2119	target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3442MH0001680021202120C00	2120	target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3442MH0001680021202121C00	2121	target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3442MH0001680021202122C00	2122	target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3442MH0001680021202123C00	2123	target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3442MH0001680021202124C00	2124	target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3442MH0001680021202125C00	2125	target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3442MH0001680021202126C00	2126	target Brackenberry - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00302	Brackenberry after DRT ~2 cm standoff	3442MH0003020001202127C00	2127	autofocus sub-frame for target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm
		3442MH0003020011202128C00	2128	target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm
		3442MH0003020021202129C00	2129	target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm - image 1 in 8-image relative focus stack
		3442MH0003020021202130C00	2130	target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm - image 2 in 8-image relative focus stack
		3442MH0003020021202131C00	2131	target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm - image 3 in 8-image relative focus stack
		3442MH0003020021202132C00	2132	target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm - image 4 in 8-image relative focus stack
		3442MH0003020021202133C00	2133	target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm - image 5 in 8-image relative focus stack
		3442MH0003020021202134C00	2134	target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm - image 6 in 8-image relative focus stack
		3442MH0003020021202135C00	2135	target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm - image 7 in 8-image relative focus stack
		3442MH0003020021202136C00	2136	target Brackenberry - after dust removal tool (DRT) - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00190	Skidbladner mosaic position 1 of 2 ~25 cm standoff	3442MH0001900001202137C00	2137	autofocus sub-frame for target Skidbladner - mosaic position 1 of 2 - standoff near 25 cm
		3442MH0001900011202138C00	2138	target Skidbladner - mosaic position 1 of 2 - standoff near 25 cm
mhli00190	Skidbladner mosaic position 2 of 2 ~25 cm standoff	3442MH0001900001202139C00	2139	autofocus sub-frame for target Skidbladner - mosaic position 2 of 2 - standoff near 25 cm
		3442MH0001900011202140C00	2140	target Skidbladner - mosaic position 2 of 2 - standoff near 25 cm
mhli00173	Skidbladner stereo-1 ~5 cm standoff	3442MH0001730001202141C00	2141	autofocus sub-frame for target Skidbladner - stereo-1 - standoff near 5 cm
		3442MH0001730011202142C00	2142	target Skidbladner - stereo-1 - standoff near 5 cm
		3442MH0001730021202143C00	2143	target Skidbladner - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3442MH0001730021202144C00	2144	target Skidbladner - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3442MH0001730021202145C00	2145	target Skidbladner - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3442MH0001730021202146C00	2146	target Skidbladner - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3442MH0001730021202147C00	2147	target Skidbladner - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3442MH0001730021202148C00	2148	target Skidbladner - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3442MH0001730021202149C00	2149	target Skidbladner - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3442MH0001730021202150C00	2150	target Skidbladner - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00173	Skidbladner stereo-2 ~5 cm standoff	3442MH0001730001202151C00	2151	autofocus sub-frame for target Skidbladner - stereo-2 - standoff near 5 cm
		3442MH0001730011202152C00	2152	target Skidbladner - stereo-2 - standoff near 5 cm
		3442MH0001730021202153C00	2153	target Skidbladner - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3442MH0001730021202154C00	2154	target Skidbladner - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3442MH0001730021202155C00	2155	target Skidbladner - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3442MH0001730021202156C00	2156	target Skidbladner - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3442MH0001730021202157C00	2157	target Skidbladner - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3442MH0001730021202158C00	2158	target Skidbladner - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3442MH0001730021202159C00	2159	target Skidbladner - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3442MH0001730021202160C00	2160	target Skidbladner - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack

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mhli00184	Skidbladner ~2 cm standoff	3442MH0001840001202161C00	2161	autofocus sub-frame for target Skidbladner – standoff near 2 cm
		3442MH0001840011202162C00	2162	target Skidbladner – standoff near 2 cm
		3442MH0001840021202163C00	2163	target Skidbladner – standoff near 2 cm – image 1 in 8-image relative focus stack
		3442MH0001840021202164C00	2164	target Skidbladner – standoff near 2 cm – image 2 in 8-image relative focus stack
		3442MH0001840021202165C00	2165	target Skidbladner – standoff near 2 cm – image 3 in 8-image relative focus stack
		3442MH0001840021202166C00	2166	target Skidbladner – standoff near 2 cm – image 4 in 8-image relative focus stack
		3442MH0001840021202167C00	2167	target Skidbladner – standoff near 2 cm – image 5 in 8-image relative focus stack
		3442MH0001840021202168C00	2168	target Skidbladner – standoff near 2 cm – image 6 in 8-image relative focus stack
		3442MH0001840021202169C00	2169	target Skidbladner – standoff near 2 cm – image 7 in 8-image relative focus stack
		3442MH0001840021202170C00	2170	target Skidbladner – standoff near 2 cm – image 8 in 8-image relative focus stack
mhli00190	Up_Helly_Aa ~25 cm standoff	3442MH0001900001202171C00	2171	autofocus sub-frame for target Up_Helly_Aa – standoff near 25 cm
		3442MH0001900011202172C00	2172	target Up_Helly_Aa – standoff near 25 cm
mhli00224	Up_Helly_Aa stereo-1 ~5 cm standoff	3442MH0002240001202173C00	2173	autofocus sub-frame for target Up_Helly_Aa – stereo-1 – standoff near 5 cm
		3442MH0002240011202174C00	2174	target Up_Helly_Aa – stereo-1 – standoff near 5 cm
		3442MH0002240021202175C00	2175	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3442MH0002240021202176C00	2176	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3442MH0002240021202177C00	2177	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3442MH0002240021202178C00	2178	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3442MH0002240021202179C00	2179	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3442MH0002240021202180C00	2180	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3442MH0002240021202181C00	2181	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3442MH0002240021202182C00	2182	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00224	Up_Helly_Aa stereo-2 ~5 cm standoff	3442MH0002240001202183C00	2183	autofocus sub-frame for target Up_Helly_Aa – stereo-2 – standoff near 5 cm
		3442MH0002240011202184C00	2184	target Up_Helly_Aa – stereo-2 – standoff near 5 cm
		3442MH0002240021202185C00	2185	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3442MH0002240021202186C00	2186	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3442MH0002240021202187C00	2187	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3442MH0002240021202188C00	2188	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3442MH0002240021202189C00	2189	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3442MH0002240021202190C00	2190	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3442MH0002240021202191C00	2191	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3442MH0002240021202192C00	2192	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00176	Up_Helly_Aa ~2 cm standoff	3442MH0001760001202193C00	2193	autofocus sub-frame for target Up_Helly_Aa – standoff near 2 cm
		3442MH0001760011202194C00	2194	target Up_Helly_Aa – standoff near 2 cm
		3442MH0001760021202195C00	2195	target Up_Helly_Aa – standoff near 2 cm – image 1 in 8-image relative focus stack
		3442MH0001760021202196C00	2196	target Up_Helly_Aa – standoff near 2 cm – image 2 in 8-image relative focus stack
		3442MH0001760021202197C00	2197	target Up_Helly_Aa – standoff near 2 cm – image 3 in 8-image relative focus stack
		3442MH0001760021202198C00	2198	target Up_Helly_Aa – standoff near 2 cm – image 4 in 8-image relative focus stack
		3442MH0001760021202199C00	2199	target Up_Helly_Aa – standoff near 2 cm – image 5 in 8-image relative focus stack
		3442MH0001760021202200C00	2200	target Up_Helly_Aa – standoff near 2 cm – image 6 in 8-image relative focus stack
		3442MH0001760021202201C00	2201	target Up_Helly_Aa – standoff near 2 cm – image 7 in 8-image relative focus stack
		3442MH0001760021202202C00	2202	target Up_Helly_Aa – standoff near 2 cm – image 8 in 8-image relative focus stack
mhli00536	Focus Merges	3442MH0005360001202203R00	2203	target Up_Helly_Aa – standoff near 2 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2195–2202 – best focus image product
		3442MH0005360001202204S00	2204	target Up_Helly_Aa – standoff near 2 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2195–2202 – range map product
		3442MH0005360001202205R00	2205	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2185–2192 – best focus image product
		3442MH0005360001202206S00	2206	target Up_Helly_Aa – stereo-2 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2185–2192 – range map product
		3442MH0005360001202207R00	2207	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2175–2182 – best focus image product
		3442MH0005360001202208S00	2208	target Up_Helly_Aa – stereo-1 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2175–2182 – range map product
		3442MH0005360001202209R00	2209	target Skidbladner – standoff near 2 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2163–2170 – best focus image product
		3442MH0005360001202210S00	2210	target Skidbladner – standoff near 2 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2163–2170 – range map product
		3442MH0005360001202211R00	2211	target Skidbladner – stereo-2 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2153–2160 – best focus image product
		3442MH0005360001202212S00	2212	target Skidbladner – stereo-2 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2153–2160 – range map product
		3442MH0005360001202213R00	2213	target Skidbladner – stereo-1 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2143–2150 – best focus image product
		3442MH0005360001202214S00	2214	target Skidbladner – stereo-1 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2143–2150 – range map product
		3442MH0005360001202215R00	2215	target Brackenberry – after dust removal tool (DRT) – standoff near 2 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2129–2136 – best focus image product
		3442MH0005360001202216S00	2216	target Brackenberry – after dust removal tool (DRT) – standoff near 2 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2129–2136 – range map product
		3442MH0005360001202217R00	2217	target Brackenberry – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2119–2126 – best focus image product
		3442MH0005360001202218S00	2218	target Brackenberry – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2119–2126 – range map product
		3442MH0005360001202219R00	2219	target Brackenberry – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2109–2116 – best focus image product
		3442MH0005360001202220S00	2220	target Brackenberry – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – focus stack acquired sol 3442 with MSL CAMERA_PRODUCT_IDs 2109–2116 – range map product

updated: 13_June_2022

Sol 3444 - MAHLI Images

acquired/performed date(s):	14-Apr-22
camera positions:	4
total parent images:	32
focus merges performed:	3
total focus merge products:	6
total parent images + focus merge products:	38

Image ID: black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID: Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Dun and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit) 0123456789 0123456789
mhli00172	Dun ~20 cm standoff	3444MH0001720001202221C00	2221	autofocus sub-frame for target Dun - standoff near 20 cm
		3444MH0001720011202222C00	2222	target Dun - standoff near 20 cm
mhli00306	Dun stereo-1 ~5 cm standoff	3444MH0003060001202223C00	2223	autofocus sub-frame for target Dun - stereo-1 - standoff near 5 cm
		3444MH0003060011202224C00	2224	target Dun - stereo-1 - standoff near 5 cm
		3444MH0003060021202225C00	2225	target Dun - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3444MH0003060021202226C00	2226	target Dun - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3444MH0003060021202227C00	2227	target Dun - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3444MH0003060021202228C00	2228	target Dun - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3444MH0003060021202229C00	2229	target Dun - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3444MH0003060021202230C00	2230	target Dun - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3444MH0003060021202231C00	2231	target Dun - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3444MH0003060021202232C00	2232	target Dun - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00306	Dun stereo-2 ~5 cm standoff	3444MH0003060001202233C00	2233	autofocus sub-frame for target Dun - stereo-2 - standoff near 5 cm
		3444MH0003060011202234C00	2234	target Dun - stereo-2 - standoff near 5 cm
		3444MH0003060021202235C00	2235	target Dun - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3444MH0003060021202236C00	2236	target Dun - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3444MH0003060021202237C00	2237	target Dun - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3444MH0003060021202238C00	2238	target Dun - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3444MH0003060021202239C00	2239	target Dun - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3444MH0003060021202240C00	2240	target Dun - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3444MH0003060021202241C00	2241	target Dun - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3444MH0003060021202242C00	2242	target Dun - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00311	Dun ~2 cm standoff	3444MH0003110001202243C00	2243	autofocus sub-frame for target Dun - standoff near 2 cm
		3444MH0003110011202244C00	2244	target Dun - standoff near 2 cm
		3444MH0003110021202245C00	2245	target Dun - standoff near 2 cm - image 1 in 8-image relative focus stack
		3444MH0003110021202246C00	2246	target Dun - standoff near 2 cm - image 2 in 8-image relative focus stack
		3444MH0003110021202247C00	2247	target Dun - standoff near 2 cm - image 3 in 8-image relative focus stack
		3444MH0003110021202248C00	2248	target Dun - standoff near 2 cm - image 4 in 8-image relative focus stack
		3444MH0003110021202249C00	2249	target Dun - standoff near 2 cm - image 5 in 8-image relative focus stack
		3444MH0003110021202250C00	2250	target Dun - standoff near 2 cm - image 6 in 8-image relative focus stack
		3444MH0003110021202251C00	2251	target Dun - standoff near 2 cm - image 7 in 8-image relative focus stack
		3444MH0003110021202252C00	2252	target Dun - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00193	Focus Merges	3444MH0001930001202253R00	2253	target Dun - standoff near 2 cm - focus stack acquired sol 3444 with MSL CAMERA_PRODUCT_IDs 2245-2252 - best focus image product
		3444MH0001930001202254S00	2254	target Dun - standoff near 2 cm - focus stack acquired sol 3444 with MSL CAMERA_PRODUCT_IDs 2245-2252 - range map product
		3444MH0001930001202255R00	2255	target Dun - stereo-2 - standoff near 5 cm - focus stack acquired sol 3444 with MSL CAMERA_PRODUCT_IDs 2235-2242 - best focus image product
		3444MH0001930001202256S00	2256	target Dun - stereo-2 - standoff near 5 cm - focus stack acquired sol 3444 with MSL CAMERA_PRODUCT_IDs 2235-2242 - range map product
		3444MH0001930001202257R00	2257	target Dun - stereo-1 - standoff near 5 cm - focus stack acquired sol 3444 with MSL CAMERA_PRODUCT_IDs 2225-2232 - best focus image product
		3444MH0001930001202258S00	2258	target Dun - stereo-1 - standoff near 5 cm - focus stack acquired sol 3444 with MSL CAMERA_PRODUCT_IDs 2225-2232 - range map product

updated: 14_October_2022

Sol 3447 - MAHLI Images

acquired/performed date(s):	17-Apr-22/18-Apr-22
camera positions:	8
total parent images:	49
focus merges performed:	4
total focus merge products:	8
total parent images + focus merge products:	57

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Spiggie_Beach and Bains_Beach as well as the wheel-rock contact of the rover left front wheel that was obstructing mobility. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Spiggie_Beach ~25 cm standoff	3447MH0001900001202259C00	2259	autofocus sub-frame for target Spiggie_Beach - standoff near 25 cm
		3447MH0001900011202260C00	2260	target Spiggie_Beach - standoff near 25 cm
mhli00297	Spiggie_Beach stereo-1 ~4 cm standoff	3447MH0002970001202261C00	2261	autofocus sub-frame for target Spiggie_Beach - stereo-1 - standoff near 4 cm
		3447MH0002970011202262C00	2262	target Spiggie_Beach - stereo-1 - standoff near 4 cm
		3447MH0002970021202263C00	2263	target Spiggie_Beach - stereo-1 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3447MH0002970021202264C00	2264	target Spiggie_Beach - stereo-1 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3447MH0002970021202265C00	2265	target Spiggie_Beach - stereo-1 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3447MH0002970021202266C00	2266	target Spiggie_Beach - stereo-1 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3447MH0002970021202267C00	2267	target Spiggie_Beach - stereo-1 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3447MH0002970021202268C00	2268	target Spiggie_Beach - stereo-1 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3447MH0002970021202269C00	2269	target Spiggie_Beach - stereo-1 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3447MH0002970021202270C00	2270	target Spiggie_Beach - stereo-1 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00297	Spiggie_Beach stereo-2 ~4 cm standoff	3447MH0002970001202271C00	2271	autofocus sub-frame for target Spiggie_Beach - stereo-2 - standoff near 4 cm
		3447MH0002970011202272C00	2272	target Spiggie_Beach - stereo-2 - standoff near 4 cm
		3447MH0002970021202273C00	2273	target Spiggie_Beach - stereo-2 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3447MH0002970021202274C00	2274	target Spiggie_Beach - stereo-2 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3447MH0002970021202275C00	2275	target Spiggie_Beach - stereo-2 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3447MH0002970021202276C00	2276	target Spiggie_Beach - stereo-2 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3447MH0002970021202277C00	2277	target Spiggie_Beach - stereo-2 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3447MH0002970021202278C00	2278	target Spiggie_Beach - stereo-2 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3447MH0002970021202279C00	2279	target Spiggie_Beach - stereo-2 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3447MH0002970021202280C00	2280	target Spiggie_Beach - stereo-2 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00706	Bains_Beach ~23 cm standoff	3447MH0007060001202281C00	2281	autofocus sub-frame for target Bains_Beach - standoff near 23 cm
		3447MH0007060011202282C00	2282	target Bains_Beach - standoff near 23 cm
		3447MH0007060021202283C00	2283	target Bains_Beach - standoff near 23 cm - alternative auto-exposure
mhli00740	Bains_Beach stereo-1 ~35 mm standoff	3447MH0007400001202284C00	2284	autofocus sub-frame for target Bains_Beach - stereo-1 - standoff near 35 mm
		3447MH0007400011202285C00	2285	target Bains_Beach - stereo-1 - standoff near 35 mm
		3447MH0007400021202286C00	2286	target Bains_Beach - stereo-1 - standoff near 35 mm - alternative auto-exposure
		3447MH0007400031202287C00	2287	target Bains_Beach - stereo-1 - standoff near 35 mm - image 1 in 8-image relative focus stack
		3447MH0007400031202288C00	2288	target Bains_Beach - stereo-1 - standoff near 35 mm - image 2 in 8-image relative focus stack
		3447MH0007400031202289C00	2289	target Bains_Beach - stereo-1 - standoff near 35 mm - image 3 in 8-image relative focus stack
		3447MH0007400031202290C00	2290	target Bains_Beach - stereo-1 - standoff near 35 mm - image 4 in 8-image relative focus stack
		3447MH0007400031202291C00	2291	target Bains_Beach - stereo-1 - standoff near 35 mm - image 5 in 8-image relative focus stack
		3447MH0007400031202292C00	2292	target Bains_Beach - stereo-1 - standoff near 35 mm - image 6 in 8-image relative focus stack
		3447MH0007400031202293C00	2293	target Bains_Beach - stereo-1 - standoff near 35 mm - image 7 in 8-image relative focus stack
		3447MH0007400031202294C00	2294	target Bains_Beach - stereo-1 - standoff near 35 mm - image 8 in 8-image relative focus stack
mhli00740	Bains_Beach stereo-2 ~35 mm standoff	3447MH0007400001202295C00	2295	autofocus sub-frame for target Bains_Beach - stereo-2 - standoff near 35 mm
		3447MH0007400011202296C00	2296	target Bains_Beach - stereo-2 - standoff near 35 mm
		3447MH0007400021202297C00	2297	target Bains_Beach - stereo-2 - standoff near 35 mm - alternative auto-exposure
		3447MH0007400031202298C00	2298	target Bains_Beach - stereo-2 - standoff near 35 mm - image 1 in 8-image relative focus stack
		3447MH0007400031202299C00	2299	target Bains_Beach - stereo-2 - standoff near 35 mm - image 2 in 8-image relative focus stack
		3447MH0007400031202300C00	2300	target Bains_Beach - stereo-2 - standoff near 35 mm - image 3 in 8-image relative focus stack
		3447MH0007400031202301C00	2301	target Bains_Beach - stereo-2 - standoff near 35 mm - image 4 in 8-image relative focus stack
		3447MH0007400031202302C00	2302	target Bains_Beach - stereo-2 - standoff near 35 mm - image 5 in 8-image relative focus stack
		3447MH0007400031202303C00	2303	target Bains_Beach - stereo-2 - standoff near 35 mm - image 6 in 8-image relative focus stack
		3447MH0007400031202304C00	2304	target Bains_Beach - stereo-2 - standoff near 35 mm - image 7 in 8-image relative focus stack
		3447MH0007400031202305C00	2305	target Bains_Beach - stereo-2 - standoff near 35 mm - image 8 in 8-image relative focus stack
mhli00262	Rover Left Front Wheel	3447MH0002620001202306E01	2306	rover left front wheel contact with rock - mobility obstruction assessment - target at about 112 cm - manual focus at motor count 12660
mhli00262	Rover Left Front Wheel	3447MH0002620001202307E01	2307	rover left front wheel contact with rock - mobility obstruction assessment - target at about 112 cm - manual focus at motor count 12660
mhli00817	Focus Merges	3447MH0008170001202308R00	2308	target Bains_Beach - stereo-2 - standoff near 35 mm - focus stack acquired sol 3447 with MSL CAMERA_PRODUCT_IDs 2298-2305 - best focus image product
		3447MH0008170001202309S00	2309	target Bains_Beach - stereo-2 - standoff near 35 mm - focus stack acquired sol 3447 with MSL CAMERA_PRODUCT_IDs 2298-2305 - range map product
		3447MH0008170001202310R00	2310	target Bains_Beach - stereo-1 - standoff near 35 mm - focus stack acquired sol 3447 with MSL CAMERA_PRODUCT_IDs 2287-2294 - best focus image product
		3447MH0008170001202311S00	2311	target Bains_Beach - stereo-1 - standoff near 35 mm - focus stack acquired sol 3447 with MSL CAMERA_PRODUCT_IDs 2287-2294 - range map product
		3447MH0008170001202312R00	2312	target Spiggie_Beach - stereo-2 - standoff near 4 cm - focus stack acquired sol 3447 with MSL CAMERA_PRODUCT_IDs 2273-2280 - best focus image product
		3447MH0008170001202313S00	2313	target Spiggie_Beach - stereo-2 - standoff near 4 cm - focus stack acquired sol 3447 with MSL CAMERA_PRODUCT_IDs 2273-2280 - range map product
		3447MH0008170001202314R00	2314	target Spiggie_Beach - stereo-1 - standoff near 4 cm - focus stack acquired sol 3447 with MSL CAMERA_PRODUCT_IDs 2263-2270 - best focus image product
		3447MH0008170001202315S00	2315	target Spiggie_Beach - stereo-1 - standoff near 4 cm - focus stack acquired sol 3447 with MSL CAMERA_PRODUCT_IDs 2263-2270 - range map product

updated: 13_June_2022

Sol 3449 - MAHLI Images

acquired/performed date(s):	18-Apr-22/19-Apr-22
camera positions:	4
total parent images:	24
focus merges performed:	2
total focus merge products:	4
total parent images + focus merge products:	28

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Runn and the REMS UV Sensor. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Runn ~25 cm standoff	3449MH0001900001202316C00	2316	autofocus sub-frame for target Runn – standoff near 25 cm
		3449MH0001900011202317C00	2317	target Runn – standoff near 25 cm
mhli00224	Runn stereo-1 ~5 cm standoff	3449MH0002240001202318C00	2318	autofocus sub-frame for target Runn – stereo-1 – standoff near 5 cm
		3449MH0002240011202319C00	2319	target Runn – stereo-1 – standoff near 5 cm
		3449MH0002240021202320C00	2320	target Runn – stereo-1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3449MH0002240021202321C00	2321	target Runn – stereo-1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3449MH0002240021202322C00	2322	target Runn – stereo-1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3449MH0002240021202323C00	2323	target Runn – stereo-1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3449MH0002240021202324C00	2324	target Runn – stereo-1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3449MH0002240021202325C00	2325	target Runn – stereo-1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3449MH0002240021202326C00	2326	target Runn – stereo-1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3449MH0002240021202327C00	2327	target Runn – stereo-1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00224	Runn stereo-2 ~5 cm standoff	3449MH0002240001202328C00	2328	autofocus sub-frame for target Runn – stereo-2 – standoff near 5 cm
		3449MH0002240011202329C00	2329	target Runn – stereo-2 – standoff near 5 cm
		3449MH0002240021202330C00	2330	target Runn – stereo-2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3449MH0002240021202331C00	2331	target Runn – stereo-2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3449MH0002240021202332C00	2332	target Runn – stereo-2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3449MH0002240021202333C00	2333	target Runn – stereo-2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3449MH0002240021202334C00	2334	target Runn – stereo-2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3449MH0002240021202335C00	2335	target Runn – stereo-2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3449MH0002240021202336C00	2336	target Runn – stereo-2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3449MH0002240021202337C00	2337	target Runn – stereo-2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00095	REMS UV sensor ~15 cm standoff	3449MH0000950001202338C00	2338	autofocus sub-frame for REMS UV sensor – characterize dust accumulation
		3449MH0000950011202339C00	2339	REMS UV sensor – characterize dust accumulation
mhli00265	Focus Merges	3449MH0002650001202340R00	2340	target Runn – stereo-2 – standoff near 5 cm – focus stack acquired sol 3449 with MSL CAMERA_PRODUCT_IDs 2330-2337 – best focus image product
		3449MH0002650001202341S00	2341	target Runn – stereo-2 – standoff near 5 cm – focus stack acquired sol 3449 with MSL CAMERA_PRODUCT_IDs 2330-2337 – range map product
		3449MH0002650001202342R00	2342	target Runn – stereo-1 – standoff near 5 cm – focus stack acquired sol 3449 with MSL CAMERA_PRODUCT_IDs 2320-2327 – best focus image product
		3449MH0002650001202343S00	2343	target Runn – stereo-1 – standoff near 5 cm – focus stack acquired sol 3449 with MSL CAMERA_PRODUCT_IDs 2320-2327 – range map product

updated: 16_June_2022

Sol 3451 - MAHLI Images

acquired/performed date(s):	22-Apr-22
camera positions:	11
total parent images:	97
focus merges performed:	8
total focus merge products:	16
total parent images + focus merge products:	113

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Rumblings, the DRT-brushed target Shandon and the target Nesting. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00842	Rumblings ~23 cm standoff	3451MH0008420001202344C00	2344	autofocus sub-frame for target Rumblings - standoff near 23 cm
		3451MH0008420011202345C00	2345	target Rumblings - standoff near 23 cm
		3451MH0008420021202346C00	2346	target Rumblings - standoff near 23 cm - alternative auto-exposure
mhli00843	Rumblings stereo-1 ~35 mm standoff	3451MH0008430001202347C00	2347	autofocus sub-frame for target Rumblings - stereo-1 - standoff near 35 mm
		3451MH0008430011202348C00	2348	target Rumblings - stereo-1 - standoff near 35 mm
		3451MH0008430021202349C00	2349	target Rumblings - stereo-1 - standoff near 35 mm - alternative auto-exposure
		3451MH0008430031202350C00	2350	target Rumblings - stereo-1 - standoff near 35 mm - image 1 in 8-image relative focus stack
		3451MH0008430031202351C00	2351	target Rumblings - stereo-1 - standoff near 35 mm - image 2 in 8-image relative focus stack
		3451MH0008430031202352C00	2352	target Rumblings - stereo-1 - standoff near 35 mm - image 3 in 8-image relative focus stack
		3451MH0008430031202353C00	2353	target Rumblings - stereo-1 - standoff near 35 mm - image 4 in 8-image relative focus stack
		3451MH0008430031202354C00	2354	target Rumblings - stereo-1 - standoff near 35 mm - image 5 in 8-image relative focus stack
		3451MH0008430031202355C00	2355	target Rumblings - stereo-1 - standoff near 35 mm - image 6 in 8-image relative focus stack
		3451MH0008430031202356C00	2356	target Rumblings - stereo-1 - standoff near 35 mm - image 7 in 8-image relative focus stack
		3451MH0008430031202357C00	2357	target Rumblings - stereo-1 - standoff near 35 mm - image 8 in 8-image relative focus stack
mhli00843	Rumblings stereo-2 ~35 mm standoff	3451MH0008430001202358C00	2358	autofocus sub-frame for target Rumblings - stereo-2 - standoff near 35 mm
		3451MH0008430011202359C00	2359	target Rumblings - stereo-2 - standoff near 35 mm
		3451MH0008430021202360C00	2360	target Rumblings - stereo-2 - standoff near 35 mm - alternative auto-exposure
		3451MH0008430031202361C00	2361	target Rumblings - stereo-2 - standoff near 35 mm - image 1 in 8-image relative focus stack
		3451MH0008430031202362C00	2362	target Rumblings - stereo-2 - standoff near 35 mm - image 2 in 8-image relative focus stack
		3451MH0008430031202363C00	2363	target Rumblings - stereo-2 - standoff near 35 mm - image 3 in 8-image relative focus stack
		3451MH0008430031202364C00	2364	target Rumblings - stereo-2 - standoff near 35 mm - image 4 in 8-image relative focus stack
		3451MH0008430031202365C00	2365	target Rumblings - stereo-2 - standoff near 35 mm - image 5 in 8-image relative focus stack
		3451MH0008430031202366C00	2366	target Rumblings - stereo-2 - standoff near 35 mm - image 6 in 8-image relative focus stack
		3451MH0008430031202367C00	2367	target Rumblings - stereo-2 - standoff near 35 mm - image 7 in 8-image relative focus stack
		3451MH0008430031202368C00	2368	target Rumblings - stereo-2 - standoff near 35 mm - image 8 in 8-image relative focus stack
mhli00706	Shandon after DRT ~25 cm standoff	3451MH0007060001202369C00	2369	autofocus sub-frame for target Shandon - after dust removal tool (DRT) - standoff near 25 cm
		3451MH0007060011202370C00	2370	target Shandon - after dust removal tool (DRT) - standoff near 25 cm
		3451MH0007060021202371C00	2371	target Shandon - after dust removal tool (DRT) - standoff near 25 cm - alternative auto-exposure
mhli00763	Shandon after DRT stereo-1 ~5 cm standoff	3451MH0007630001202372C00	2372	autofocus sub-frame for target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3451MH0007630011202373C00	2373	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3451MH0007630021202374C00	2374	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - alternative auto-exposure
		3451MH0007630031202375C00	2375	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3451MH0007630031202376C00	2376	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3451MH0007630031202377C00	2377	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3451MH0007630031202378C00	2378	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3451MH0007630031202379C00	2379	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3451MH0007630031202380C00	2380	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3451MH0007630031202381C00	2381	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3451MH0007630031202382C00	2382	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00763	Shandon after DRT stereo-2 ~5 cm standoff	3451MH0007630001202383C00	2383	autofocus sub-frame for target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3451MH0007630011202384C00	2384	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3451MH0007630021202385C00	2385	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - alternative auto-exposure
		3451MH0007630031202386C00	2386	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3451MH0007630031202387C00	2387	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3451MH0007630031202388C00	2388	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3451MH0007630031202389C00	2389	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3451MH0007630031202390C00	2390	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3451MH0007630031202391C00	2391	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3451MH0007630031202392C00	2392	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3451MH0007630031202393C00	2393	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00824	Shandon after DRT ~2 cm standoff	3451MH0008240001202394C00	2394	autofocus sub-frame for target Shandon - after dust removal tool (DRT) - standoff near 2 cm
		3451MH0008240011202395C00	2395	target Shandon - after dust removal tool (DRT) - standoff near 2 cm
		3451MH0008240021202396C00	2396	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - alternative auto-exposure
		3451MH0008240031202397C00	2397	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - image 1 in 8-image relative focus stack
		3451MH0008240031202398C00	2398	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - image 2 in 8-image relative focus stack
		3451MH0008240031202399C00	2399	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - image 3 in 8-image relative focus stack
		3451MH0008240031202400C00	2400	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - image 4 in 8-image relative focus stack
		3451MH0008240031202401C00	2401	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - image 5 in 8-image relative focus stack
		3451MH0008240031202402C00	2402	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - image 6 in 8-image relative focus stack
		3451MH0008240031202403C00	2403	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - image 7 in 8-image relative focus stack
		3451MH0008240031202404C00	2404	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00706	Nesting ~25 cm standoff	3451MH0007060001202405C00	2405	autofocus sub-frame for target Nesting - standoff near 25 cm
		3451MH0007060011202406C00	2406	target Nesting - standoff near 25 cm
		3451MH0007060021202407C00	2407	target Nesting - standoff near 25 cm - alternative auto-exposure

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mhli00699	Nesting stereo-1 ~5 cm standoff	3451MH0006990001202408C00	2408	autofocus sub-frame for target Nesting - stereo-1 - standoff near 5 cm
		3451MH0006990011202409C00	2409	target Nesting - stereo-1 - standoff near 5 cm
		3451MH0006990021202410C00	2410	target Nesting - stereo-1 - standoff near 5 cm - alternative auto-exposure
		3451MH0006990031202411C00	2411	target Nesting - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3451MH0006990031202412C00	2412	target Nesting - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3451MH0006990031202413C00	2413	target Nesting - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3451MH0006990031202414C00	2414	target Nesting - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3451MH0006990031202415C00	2415	target Nesting - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3451MH0006990031202416C00	2416	target Nesting - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3451MH0006990031202417C00	2417	target Nesting - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3451MH0006990031202418C00	2418	target Nesting - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00699	Nesting stereo-2 ~5 cm standoff	3451MH0006990001202419C00	2419	autofocus sub-frame for target Nesting - stereo-2 - standoff near 5 cm
		3451MH0006990011202420C00	2420	target Nesting - stereo-2 - standoff near 5 cm
		3451MH0006990021202421C00	2421	target Nesting - stereo-2 - standoff near 5 cm - alternative auto-exposure
		3451MH0006990031202422C00	2422	target Nesting - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3451MH0006990031202423C00	2423	target Nesting - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3451MH0006990031202424C00	2424	target Nesting - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3451MH0006990031202425C00	2425	target Nesting - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3451MH0006990031202426C00	2426	target Nesting - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3451MH0006990031202427C00	2427	target Nesting - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3451MH0006990031202428C00	2428	target Nesting - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3451MH0006990031202429C00	2429	target Nesting - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00824	Nesting ~2 cm standoff	3451MH0008240001202430C00	2430	autofocus sub-frame for target Nesting - standoff near 2 cm
		3451MH0008240011202431C00	2431	target Nesting - standoff near 2 cm
		3451MH0008240021202432C00	2432	target Nesting - standoff near 2 cm - alternative auto-exposure
		3451MH0008240031202433C00	2433	target Nesting - standoff near 2 cm - image 1 in 8-image relative focus stack
		3451MH0008240031202434C00	2434	target Nesting - standoff near 2 cm - image 2 in 8-image relative focus stack
		3451MH0008240031202435C00	2435	target Nesting - standoff near 2 cm - image 3 in 8-image relative focus stack
		3451MH0008240031202436C00	2436	target Nesting - standoff near 2 cm - image 4 in 8-image relative focus stack
		3451MH0008240031202437C00	2437	target Nesting - standoff near 2 cm - image 5 in 8-image relative focus stack
		3451MH0008240031202438C00	2438	target Nesting - standoff near 2 cm - image 6 in 8-image relative focus stack
		3451MH0008240031202439C00	2439	target Nesting - standoff near 2 cm - image 7 in 8-image relative focus stack
		3451MH0008240031202440C00	2440	target Nesting - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00170	Focus Merges	3451MH0001700001202441R00	2441	target Nesting - standoff near 2 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2433-2440 - best focus image product
		3451MH0001700001202442S00	2442	target Nesting - standoff near 2 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2433-2440 - range map product
		3451MH0001700001202443R00	2443	target Nesting - stereo-2 - standoff near 5 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2422-2429 - best focus image product
		3451MH0001700001202444S00	2444	target Nesting - stereo-2 - standoff near 5 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2422-2429 - range map product
		3451MH0001700001202445R00	2445	target Nesting - stereo-1 - standoff near 5 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2411-2418 - best focus image product
		3451MH0001700001202446S00	2446	target Nesting - stereo-1 - standoff near 5 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2411-2418 - range map product
		3451MH0001700001202447R00	2447	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2397-2404 - best focus image product
		3451MH0001700001202448S00	2448	target Shandon - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2397-2404 - range map product
		3451MH0001700001202449R00	2449	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2386-2393 - best focus image product
		3451MH0001700001202450S00	2450	target Shandon - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2386-2393 - range map product
		3451MH0001700001202451R00	2451	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2375-2382 - best focus image product
		3451MH0001700001202452S00	2452	target Shandon - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2375-2382 - range map product
		3451MH0001700001202453R00	2453	target Rumblings - stereo-2 - standoff near 35 mm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2361-2368 - best focus image product
		3451MH0001700001202454S00	2454	target Rumblings - stereo-2 - standoff near 35 mm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2361-2368 - range map product
		3451MH0001700001202455R00	2455	target Rumblings - stereo-1 - standoff near 35 mm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2350-2357 - best focus image product
		3451MH0001700001202456S00	2456	target Rumblings - stereo-1 - standoff near 35 mm - focus stack acquired sol 3451 with MSL CAMERA_PRODUCT_IDs 2350-2357 - range map product

updated: 14_June_2022

Sol 3453 - MAHLI Images

acquired/performed date(s):	24-Apr-22
camera positions:	12
total parent images:	79
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	79

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the DRT-brushed target Delting and the target Rumblings. MAHLI also imaged the rover left front wheel as a follow-up to the imaging acquired on Sol 3447.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00706	Delting after DRT ~25 cm standoff	3453MH0007060001202457C00	2457	autofocus sub-frame for target Delting - after dust removal tool (DRT) - standoff near 25 cm
		3453MH0007060011202458C00	2458	target Delting - after dust removal tool (DRT) - standoff near 25 cm
		3453MH0007060021202459C00	2459	target Delting - after dust removal tool (DRT) - standoff near 25 cm - alternative auto-exposure
mhli00763	Delting after DRT stereo-1 relief model position 1 ~5 cm standoff	3453MH0007630001202460C00	2460	autofocus sub-frame for target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm
		3453MH0007630011202461C00	2461	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm
		3453MH0007630021202462C00	2462	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - alternative auto-exposure
		3453MH0007630031202463C00	2463	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3453MH0007630031202464C00	2464	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3453MH0007630031202465C00	2465	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3453MH0007630031202466C00	2466	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3453MH0007630031202467C00	2467	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3453MH0007630031202468C00	2468	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3453MH0007630031202469C00	2469	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3453MH0007630031202470C00	2470	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00763	Delting after DRT stereo-2 relief model position 2 ~5 cm standoff	3453MH0007630001202471C00	2471	autofocus sub-frame for target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm
		3453MH0007630011202472C00	2472	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm
		3453MH0007630021202473C00	2473	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - alternative auto-exposure
		3453MH0007630031202474C00	2474	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3453MH0007630031202475C00	2475	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3453MH0007630031202476C00	2476	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3453MH0007630031202477C00	2477	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3453MH0007630031202478C00	2478	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3453MH0007630031202479C00	2479	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3453MH0007630031202480C00	2480	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3453MH0007630031202481C00	2481	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00705	Delting after DRT relief model position 3 ~5 cm standoff	3453MH0007050001202482C00	2482	autofocus sub-frame for target Delting - after dust removal tool (DRT) - relief model position 3 - standoff near 5 cm
		3453MH0007050011202483C00	2483	target Delting - after dust removal tool (DRT) - relief model position 3 - standoff near 5 cm
mhli00705	Delting after DRT relief model position 4 ~5 cm standoff	3453MH0007050001202484C00	2484	autofocus sub-frame for target Delting - after dust removal tool (DRT) - relief model position 4 - standoff near 5 cm
		3453MH0007050011202485C00	2485	target Delting - after dust removal tool (DRT) - relief model position 4 - standoff near 5 cm
mhli00705	Delting after DRT relief model position 5 ~5 cm standoff	3453MH0007050001202486C00	2486	autofocus sub-frame for target Delting - after dust removal tool (DRT) - relief model position 5 - standoff near 5 cm
		3453MH0007050011202487C00	2487	target Delting - after dust removal tool (DRT) - relief model position 5 - standoff near 5 cm
mhli00813	Delting after DRT ~2 cm standoff	3453MH0008130001202488C00	2488	autofocus sub-frame for target Delting - after dust removal tool (DRT) - standoff near 2 cm
		3453MH0008130011202489C00	2489	target Delting - after dust removal tool (DRT) - standoff near 2 cm
		3453MH0008130021202490C00	2490	target Delting - after dust removal tool (DRT) - standoff near 2 cm - alternative auto-exposure
		3453MH0008130031202491C00	2491	target Delting - after dust removal tool (DRT) - standoff near 2 cm - image 1 in 8-image relative focus stack
		3453MH0008130031202492C00	2492	target Delting - after dust removal tool (DRT) - standoff near 2 cm - image 2 in 8-image relative focus stack
		3453MH0008130031202493C00	2493	target Delting - after dust removal tool (DRT) - standoff near 2 cm - image 3 in 8-image relative focus stack
		3453MH0008130031202494C00	2494	target Delting - after dust removal tool (DRT) - standoff near 2 cm - image 4 in 8-image relative focus stack
		3453MH0008130031202495C00	2495	target Delting - after dust removal tool (DRT) - standoff near 2 cm - image 5 in 8-image relative focus stack
		3453MH0008130031202496C00	2496	target Delting - after dust removal tool (DRT) - standoff near 2 cm - image 6 in 8-image relative focus stack
		3453MH0008130031202497C00	2497	target Delting - after dust removal tool (DRT) - standoff near 2 cm - image 7 in 8-image relative focus stack
		3453MH0008130031202498C00	2498	target Delting - after dust removal tool (DRT) - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00706	Rumblings ~25 cm standoff	3453MH0007060001202499C00	2499	autofocus sub-frame for target Rumblings - standoff near 25 cm
		3453MH0007060011202500C00	2500	target Rumblings - standoff near 25 cm
		3453MH0007060021202501C00	2501	target Rumblings - standoff near 25 cm - alternative auto-exposure
mhli00709	Rumblings stereo-1 ~5 cm standoff	3453MH0007090001202502C00	2502	autofocus sub-frame for target Rumblings - stereo-1 - standoff near 5 cm
		3453MH0007090011202503C00	2503	target Rumblings - stereo-1 - standoff near 5 cm
		3453MH0007090021202504C00	2504	target Rumblings - stereo-1 - standoff near 5 cm - alternative auto-exposure
		3453MH0007090031202505C00	2505	target Rumblings - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3453MH0007090031202506C00	2506	target Rumblings - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3453MH0007090031202507C00	2507	target Rumblings - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3453MH0007090031202508C00	2508	target Rumblings - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3453MH0007090031202509C00	2509	target Rumblings - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3453MH0007090031202510C00	2510	target Rumblings - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3453MH0007090031202511C00	2511	target Rumblings - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3453MH0007090031202512C00	2512	target Rumblings - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00709	Rumblings stereo-2 ~5 cm standoff	3453MH0007090001202513C00	2513	autofocus sub-frame for target Rumblings - stereo-2 - standoff near 5 cm
		3453MH0007090011202514C00	2514	target Rumblings - stereo-2 - standoff near 5 cm
		3453MH0007090021202515C00	2515	target Rumblings - stereo-2 - standoff near 5 cm - alternative auto-exposure
		3453MH0007090031202516C00	2516	target Rumblings - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3453MH0007090031202517C00	2517	target Rumblings - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3453MH0007090031202518C00	2518	target Rumblings - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3453MH0007090031202519C00	2519	target Rumblings - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3453MH0007090031202520C00	2520	target Rumblings - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3453MH0007090031202521C00	2521	target Rumblings - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3453MH0007090031202522C00	2522	target Rumblings - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3453MH0007090031202523C00	2523	target Rumblings - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack

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mhli00711	Rumblings ~2 cm standoff	3453MH0007110001202524C00	2524	autofocus sub-frame for target Rumblings – standoff near 2 cm
		3453MH0007110011202525C00	2525	target Rumblings – standoff near 2 cm
		3453MH0007110021202526C00	2526	target Rumblings – standoff near 2 cm – alternative auto-exposure
		3453MH0007110031202527C00	2527	target Rumblings – standoff near 2 cm – image 1 in 8-image relative focus stack
		3453MH0007110031202528C00	2528	target Rumblings – standoff near 2 cm – image 2 in 8-image relative focus stack
		3453MH0007110031202529C00	2529	target Rumblings – standoff near 2 cm – image 3 in 8-image relative focus stack
		3453MH0007110031202530C00	2530	target Rumblings – standoff near 2 cm – image 4 in 8-image relative focus stack
		3453MH0007110031202531C00	2531	target Rumblings – standoff near 2 cm – image 5 in 8-image relative focus stack
		3453MH0007110031202532C00	2532	target Rumblings – standoff near 2 cm – image 6 in 8-image relative focus stack
		3453MH0007110031202533C00	2533	target Rumblings – standoff near 2 cm – image 7 in 8-image relative focus stack
		3453MH0007110031202534C00	2534	target Rumblings – standoff near 2 cm – image 8 in 8-image relative focus stack
mhli00262	Rover Left Front Wheel	3453MH0002620001202535E02	2535	rover left front wheel – sol 3447 mobility obstruction assessment follow-up – target at about 112 cm – manual focus at motor count 12660

updated: 27_April_2022

Sol 3454 - MAHLI Images

acquired/performed date(s):	25-Apr-22
camera positions:	0
total parent images:	0
focus merges performed:	6
total focus merge products:	12
total parent images + focus merge products:	12

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: The focus stack images from Sol 3453 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00163	Focus Merges	3454MH0001630001202536R00	2536	target Rumblings - standoff near 2 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2527-2534 - best focus image product
		3454MH0001630001202537S00	2537	target Rumblings - standoff near 2 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2527-2534 - range map product
		3454MH0001630001202538R00	2538	target Rumblings - stereo-2 - standoff near 5 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2516-2523 - best focus image product
		3454MH0001630001202539S00	2539	target Rumblings - stereo-2 - standoff near 5 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2516-2523 - range map product
		3454MH0001630001202540R00	2540	target Rumblings - stereo-1 - standoff near 5 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2505-2512 - best focus image product
		3454MH0001630001202541S00	2541	target Rumblings - stereo-1 - standoff near 5 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2505-2512 - range map product
		3454MH0001630001202542R00	2542	target Delting - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2491-2498 - best focus image product
		3454MH0001630001202543S00	2543	target Delting - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2491-2498 - range map product
		3454MH0001630001202544R00	2544	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2474-2481 - best focus image product
		3454MH0001630001202545S00	2545	target Delting - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2474-2481 - range map product
		3454MH0001630001202546R00	2546	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2463-2470 - best focus image product
		3454MH0001630001202547S00	2547	target Delting - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3453 with MSL CAMERA_PRODUCT_IDs 2463-2470 - range map product

updated: 13_June_2022

Sol 3456 - MAHLI Images

acquired/performed date(s):	27-Apr-22
camera positions:	3
total parent images:	23
focus merges performed:	2
total focus merge products:	4
total parent images + focus merge products:	27

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Colla_Firth and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00706	Colla_Firth ~25 cm standoff	3456MH0007060001202548C00	2548	autofocus sub-frame for target Colla_Firth - standoff near 25 cm
		3456MH0007060011202549C00	2549	target Colla_Firth - standoff near 25 cm
		3456MH0007060021202550C00	2550	target Colla_Firth - standoff near 25 cm - alternative auto-exposure
mhli00182	Colla_Firth stereo-1 ~45 mm standoff	3456MH0001820001202551C00	2551	autofocus sub-frame for target Colla_Firth - stereo-1 - standoff near 45 mm
		3456MH0001820011202552C00	2552	target Colla_Firth - stereo-1 - standoff near 45 mm
		3456MH0001820021202553C00	2553	target Colla_Firth - stereo-1 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3456MH0001820021202554C00	2554	target Colla_Firth - stereo-1 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3456MH0001820021202555C00	2555	target Colla_Firth - stereo-1 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3456MH0001820021202556C00	2556	target Colla_Firth - stereo-1 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3456MH0001820021202557C00	2557	target Colla_Firth - stereo-1 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3456MH0001820021202558C00	2558	target Colla_Firth - stereo-1 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3456MH0001820021202559C00	2559	target Colla_Firth - stereo-1 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3456MH0001820021202560C00	2560	target Colla_Firth - stereo-1 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00182	Colla_Firth stereo-2 ~45 mm standoff	3456MH0001820001202561C00	2561	autofocus sub-frame for target Colla_Firth - stereo-2 - standoff near 45 mm
		3456MH0001820011202562C00	2562	target Colla_Firth - stereo-2 - standoff near 45 mm
		3456MH0001820021202563C00	2563	target Colla_Firth - stereo-2 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3456MH0001820021202564C00	2564	target Colla_Firth - stereo-2 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3456MH0001820021202565C00	2565	target Colla_Firth - stereo-2 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3456MH0001820021202566C00	2566	target Colla_Firth - stereo-2 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3456MH0001820021202567C00	2567	target Colla_Firth - stereo-2 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3456MH0001820021202568C00	2568	target Colla_Firth - stereo-2 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3456MH0001820021202569C00	2569	target Colla_Firth - stereo-2 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3456MH0001820021202570C00	2570	target Colla_Firth - stereo-2 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00265	Focus Merges	3456MH0002650001202571R00	2571	target Colla_Firth - stereo-2 - standoff near 45 mm - focus stack acquired sol 3456 with MSL CAMERA_PRODUCT_IDs 2563-2570 - best focus image product
		3456MH0002650001202572S00	2572	target Colla_Firth - stereo-2 - standoff near 45 mm - focus stack acquired sol 3456 with MSL CAMERA_PRODUCT_IDs 2563-2570 - range map product
		3456MH0002650001202573R00	2573	target Colla_Firth - stereo-1 - standoff near 45 mm - focus stack acquired sol 3456 with MSL CAMERA_PRODUCT_IDs 2553-2560 - best focus image product
		3456MH0002650001202574S00	2574	target Colla_Firth - stereo-1 - standoff near 45 mm - focus stack acquired sol 3456 with MSL CAMERA_PRODUCT_IDs 2553-2560 - range map product

updated: 14_June_2022

Sol 3458 - MAHLI Images

acquired/performed date(s):	29-Apr-22
camera positions:	7
total parent images:	56
focus merges performed:	5
total focus merge products:	10
total parent images + focus merge products:	66

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Orton_Scar and Cow_Head and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00706	Orton_Scar ~23 cm standoff	3458MH0007060001202575C00	2575	autofocus sub-frame for target Orton_Scar – standoff near 23 cm
		3458MH0007060011202576C00	2576	target Orton_Scar – standoff near 23 cm
		3458MH0007060021202577C00	2577	target Orton_Scar – standoff near 23 cm – alternative auto-exposure
mhli00173	Orton_Scar stereo-1 ~4 cm standoff	3458MH0001730001202578C00	2578	autofocus sub-frame for target Orton_Scar – stereo-1 – standoff near 4 cm
		3458MH0001730011202579C00	2579	target Orton_Scar – stereo-1 – standoff near 4 cm
		3458MH0001730021202580C00	2580	target Orton_Scar – stereo-1 – standoff near 4 cm – image 1 in 8-image relative focus stack
		3458MH0001730021202581C00	2581	target Orton_Scar – stereo-1 – standoff near 4 cm – image 2 in 8-image relative focus stack
		3458MH0001730021202582C00	2582	target Orton_Scar – stereo-1 – standoff near 4 cm – image 3 in 8-image relative focus stack
		3458MH0001730021202583C00	2583	target Orton_Scar – stereo-1 – standoff near 4 cm – image 4 in 8-image relative focus stack
		3458MH0001730021202584C00	2584	target Orton_Scar – stereo-1 – standoff near 4 cm – image 5 in 8-image relative focus stack
		3458MH0001730021202585C00	2585	target Orton_Scar – stereo-1 – standoff near 4 cm – image 6 in 8-image relative focus stack
		3458MH0001730021202586C00	2586	target Orton_Scar – stereo-1 – standoff near 4 cm – image 7 in 8-image relative focus stack
		3458MH0001730021202587C00	2587	target Orton_Scar – stereo-1 – standoff near 4 cm – image 8 in 8-image relative focus stack
mhli00173	Orton_Scar stereo-2 ~4 cm standoff	3458MH0001730001202588C00	2588	autofocus sub-frame for target Orton_Scar – stereo-2 – standoff near 4 cm
		3458MH0001730011202589C00	2589	target Orton_Scar – stereo-2 – standoff near 4 cm
		3458MH0001730021202590C00	2590	target Orton_Scar – stereo-2 – standoff near 4 cm – image 1 in 8-image relative focus stack
		3458MH0001730021202591C00	2591	target Orton_Scar – stereo-2 – standoff near 4 cm – image 2 in 8-image relative focus stack
		3458MH0001730021202592C00	2592	target Orton_Scar – stereo-2 – standoff near 4 cm – image 3 in 8-image relative focus stack
		3458MH0001730021202593C00	2593	target Orton_Scar – stereo-2 – standoff near 4 cm – image 4 in 8-image relative focus stack
		3458MH0001730021202594C00	2594	target Orton_Scar – stereo-2 – standoff near 4 cm – image 5 in 8-image relative focus stack
		3458MH0001730021202595C00	2595	target Orton_Scar – stereo-2 – standoff near 4 cm – image 6 in 8-image relative focus stack
		3458MH0001730021202596C00	2596	target Orton_Scar – stereo-2 – standoff near 4 cm – image 7 in 8-image relative focus stack
		3458MH0001730021202597C00	2597	target Orton_Scar – stereo-2 – standoff near 4 cm – image 8 in 8-image relative focus stack
mhli00706	Cow_Head ~25 cm standoff	3458MH0007060001202598C00	2598	autofocus sub-frame for target Cow_Head – standoff near 25 cm
		3458MH0007060011202599C00	2599	target Cow_Head – standoff near 25 cm
		3458MH0007060021202600C00	2600	target Cow_Head – standoff near 25 cm – alternative auto-exposure
mhli00182	Cow_Head stereo-1 ~5 cm standoff	3458MH0001820001202601C00	2601	autofocus sub-frame for target Cow_Head – stereo-1 – standoff near 5 cm
		3458MH0001820011202602C00	2602	target Cow_Head – stereo-1 – standoff near 5 cm
		3458MH0001820021202603C00	2603	target Cow_Head – stereo-1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3458MH0001820021202604C00	2604	target Cow_Head – stereo-1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3458MH0001820021202605C00	2605	target Cow_Head – stereo-1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3458MH0001820021202606C00	2606	target Cow_Head – stereo-1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3458MH0001820021202607C00	2607	target Cow_Head – stereo-1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3458MH0001820021202608C00	2608	target Cow_Head – stereo-1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3458MH0001820021202609C00	2609	target Cow_Head – stereo-1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3458MH0001820021202610C00	2610	target Cow_Head – stereo-1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00182	Cow_Head stereo-2 ~5 cm standoff	3458MH0001820001202611C00	2611	autofocus sub-frame for target Cow_Head – stereo-2 – standoff near 5 cm
		3458MH0001820011202612C00	2612	target Cow_Head – stereo-2 – standoff near 5 cm
		3458MH0001820021202613C00	2613	target Cow_Head – stereo-2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3458MH0001820021202614C00	2614	target Cow_Head – stereo-2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3458MH0001820021202615C00	2615	target Cow_Head – stereo-2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3458MH0001820021202616C00	2616	target Cow_Head – stereo-2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3458MH0001820021202617C00	2617	target Cow_Head – stereo-2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3458MH0001820021202618C00	2618	target Cow_Head – stereo-2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3458MH0001820021202619C00	2619	target Cow_Head – stereo-2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3458MH0001820021202620C00	2620	target Cow_Head – stereo-2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00176	Cow_Head ~2 cm standoff	3458MH0001760001202621C00	2621	autofocus sub-frame for target Cow_Head – standoff near 2 cm
		3458MH0001760011202622C00	2622	target Cow_Head – standoff near 2 cm
		3458MH0001760021202623C00	2623	target Cow_Head – standoff near 2 cm – image 1 in 8-image relative focus stack
		3458MH0001760021202624C00	2624	target Cow_Head – standoff near 2 cm – image 2 in 8-image relative focus stack
		3458MH0001760021202625C00	2625	target Cow_Head – standoff near 2 cm – image 3 in 8-image relative focus stack
		3458MH0001760021202626C00	2626	target Cow_Head – standoff near 2 cm – image 4 in 8-image relative focus stack
		3458MH0001760021202627C00	2627	target Cow_Head – standoff near 2 cm – image 5 in 8-image relative focus stack
		3458MH0001760021202628C00	2628	target Cow_Head – standoff near 2 cm – image 6 in 8-image relative focus stack
		3458MH0001760021202629C00	2629	target Cow_Head – standoff near 2 cm – image 7 in 8-image relative focus stack
		3458MH0001760021202630C00	2630	target Cow_Head – standoff near 2 cm – image 8 in 8-image relative focus stack
mhli00227	Focus Merges	3458MH0002270001202631R00	2631	target Cow_Head – standoff near 2 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2623-2630 – best focus image product
		3458MH0002270001202632S00	2632	target Cow_Head – standoff near 2 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2623-2630 – range map product
		3458MH0002270001202633R00	2633	target Cow_Head – stereo-2 – standoff near 5 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2613-2620 – best focus image product
		3458MH0002270001202634S00	2634	target Cow_Head – stereo-2 – standoff near 5 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2613-2620 – range map product
		3458MH0002270001202635R00	2635	target Cow_Head – stereo-1 – standoff near 5 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2603-2610 – best focus image product
		3458MH0002270001202636S00	2636	target Cow_Head – stereo-1 – standoff near 5 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2603-2610 – range map product
		3458MH0002270001202637R00	2637	target Orton_Scar – stereo-2 – standoff near 4 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2590-2597 – best focus image product
		3458MH0002270001202638S00	2638	target Orton_Scar – stereo-2 – standoff near 4 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2590-2597 – range map product
		3458MH0002270001202639R00	2639	target Orton_Scar – stereo-1 – standoff near 4 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2580-2587 – best focus image product
		3458MH0002270001202640S00	2640	target Orton_Scar – stereo-1 – standoff near 4 cm – focus stack acquired sol 3458 with MSL CAMERA_PRODUCT_IDs 2580-2587 – range map product

updated: 23_June_2022

Sol 3459 - MAHLI Images

acquired/performed date(s):	30-Apr-22
camera positions:	10
total parent images:	65
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	65

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Castlecraig and Cat_Firth.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00845	Castlecraig ~ 20 cm standoff	3459MH0008450001202641C00	2641	autofocus sub-frame for target Castlecraig - standoff near 20 cm
		3459MH0008450011202642C00	2642	target Castlecraig - standoff near 20 cm
		3459MH0008450021202643C00	2643	target Castlecraig - standoff near 20 cm - alternative auto-exposure
mhli00740	Castlecraig stereo-1 relief model position 1 ~ 55 mm standoff	3459MH0007400001202644C00	2644	autofocus sub-frame for target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm
		3459MH0007400011202645C00	2645	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm
		3459MH0007400021202646C00	2646	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - alternative auto-exposure
		3459MH0007400031202647C00	2647	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - image 1 in 8-image relative focus stack
		3459MH0007400031202648C00	2648	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - image 2 in 8-image relative focus stack
		3459MH0007400031202649C00	2649	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - image 3 in 8-image relative focus stack
		3459MH0007400031202650C00	2650	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - image 4 in 8-image relative focus stack
		3459MH0007400031202651C00	2651	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - image 5 in 8-image relative focus stack
		3459MH0007400031202652C00	2652	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - image 6 in 8-image relative focus stack
		3459MH0007400031202653C00	2653	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - image 7 in 8-image relative focus stack
		3459MH0007400031202654C00	2654	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - image 8 in 8-image relative focus stack
mhli00740	Castlecraig stereo-2 relief model position 2 ~ 55 mm standoff	3459MH0007400001202655C00	2655	autofocus sub-frame for target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm
		3459MH0007400011202656C00	2656	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm
		3459MH0007400021202657C00	2657	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - alternative auto-exposure
		3459MH0007400031202658C00	2658	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - image 1 in 8-image relative focus stack
		3459MH0007400031202659C00	2659	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - image 2 in 8-image relative focus stack
		3459MH0007400031202660C00	2660	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - image 3 in 8-image relative focus stack
		3459MH0007400031202661C00	2661	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - image 4 in 8-image relative focus stack
		3459MH0007400031202662C00	2662	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - image 5 in 8-image relative focus stack
		3459MH0007400031202663C00	2663	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - image 6 in 8-image relative focus stack
		3459MH0007400031202664C00	2664	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - image 7 in 8-image relative focus stack
		3459MH0007400031202665C00	2665	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - image 8 in 8-image relative focus stack
mhli00705	Castlecraig relief model position 3 ~ 55 mm standoff	3459MH0007050001202666C00	2666	autofocus sub-frame for target Castlecraig - relief model position 3 - standoff near 55 mm
		3459MH0007050011202667C00	2667	target Castlecraig - relief model position 3 - standoff near 55 mm
mhli00705	Castlecraig relief model position 4 ~ 55 mm standoff	3459MH0007050001202668C00	2668	autofocus sub-frame for target Castlecraig - relief model position 4 - standoff near 55 mm
		3459MH0007050011202669C00	2669	target Castlecraig - relief model position 4 - standoff near 55 mm
mhli00705	Castlecraig relief model position 5 ~ 55 mm standoff	3459MH0007050001202670C00	2670	autofocus sub-frame for target Castlecraig - relief model position 5 - standoff near 55 mm
		3459MH0007050011202671C00	2671	target Castlecraig - relief model position 5 - standoff near 55 mm
mhli00844	Castlecraig ~ 35 mm standoff	3459MH0008440001202672C00	2672	autofocus sub-frame for target Castlecraig - standoff near 35 mm
		3459MH0008440011202673C00	2673	target Castlecraig - standoff near 35 mm
		3459MH0008440021202674C00	2674	target Castlecraig - standoff near 35 mm - alternative auto-exposure
		3459MH0008440031202675C00	2675	target Castlecraig - standoff near 35 mm - image 1 in 8-image relative focus stack
		3459MH0008440031202676C00	2676	target Castlecraig - standoff near 35 mm - image 2 in 8-image relative focus stack
		3459MH0008440031202677C00	2677	target Castlecraig - standoff near 35 mm - image 3 in 8-image relative focus stack
		3459MH0008440031202678C00	2678	target Castlecraig - standoff near 35 mm - image 4 in 8-image relative focus stack
		3459MH0008440031202679C00	2679	target Castlecraig - standoff near 35 mm - image 5 in 8-image relative focus stack
		3459MH0008440031202680C00	2680	target Castlecraig - standoff near 35 mm - image 6 in 8-image relative focus stack
		3459MH0008440031202681C00	2681	target Castlecraig - standoff near 35 mm - image 7 in 8-image relative focus stack
		3459MH0008440031202682C00	2682	target Castlecraig - standoff near 35 mm - image 8 in 8-image relative focus stack
mhli00706	Cat_Firth ~ 25 cm standoff	3459MH0007060001202683C00	2683	autofocus sub-frame for target Cat_Firth - standoff near 25 cm
		3459MH0007060011202684C00	2684	target Cat_Firth - standoff near 25 cm
		3459MH0007060021202685C00	2685	target Cat_Firth - standoff near 25 cm - alternative auto-exposure
mhli00182	Cat_Firth stereo-1 ~ 5 cm standoff	3459MH0001820001202686C00	2686	autofocus sub-frame for target Cat_Firth - stereo-1 - standoff near 5 cm
		3459MH0001820011202687C00	2687	target Cat_Firth - stereo-1 - standoff near 5 cm
		3459MH0001820021202688C00	2688	target Cat_Firth - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3459MH0001820021202689C00	2689	target Cat_Firth - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3459MH0001820021202690C00	2690	target Cat_Firth - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3459MH0001820021202691C00	2691	target Cat_Firth - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3459MH0001820021202692C00	2692	target Cat_Firth - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3459MH0001820021202693C00	2693	target Cat_Firth - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3459MH0001820021202694C00	2694	target Cat_Firth - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3459MH0001820021202695C00	2695	target Cat_Firth - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00182	Cat_Firth stereo-2 ~ 5 cm standoff	3459MH0001820001202696C00	2696	autofocus sub-frame for target Cat_Firth - stereo-2 - standoff near 5 cm
		3459MH0001820011202697C00	2697	target Cat_Firth - stereo-2 - standoff near 5 cm
		3459MH0001820021202698C00	2698	target Cat_Firth - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3459MH0001820021202699C00	2699	target Cat_Firth - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3459MH0001820021202700C00	2700	target Cat_Firth - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3459MH0001820021202701C00	2701	target Cat_Firth - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3459MH0001820021202702C00	2702	target Cat_Firth - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3459MH0001820021202703C00	2703	target Cat_Firth - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3459MH0001820021202704C00	2704	target Cat_Firth - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3459MH0001820021202705C00	2705	target Cat_Firth - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack

updated: 03_May_2022

Sol 3461 - MAHLI Images

acquired/performed date(s):	2-May-22
camera positions:	0
total parent images:	0
focus merges performed:	5
total focus merge products:	10
total parent images + focus merge products:	10

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3459 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00227	Focus Merges	3461MH0002270001202706R00	2706	target Cat_Firth - stereo-2 - standoff near 5 cm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2698-2705 - best focus image product
		3461MH0002270001202707S00	2707	target Cat_Firth - stereo-2 - standoff near 5 cm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2698-2705 - range map product
		3461MH0002270001202708R00	2708	target Cat_Firth - stereo-1 - standoff near 5 cm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2688-2695 - best focus image product
		3461MH0002270001202709S00	2709	target Cat_Firth - stereo-1 - standoff near 5 cm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2688-2695 - range map product
		3461MH0002270001202710R00	2710	target Castlecraig - standoff near 35 mm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2675-2682 - best focus image product
		3461MH0002270001202711S00	2711	target Castlecraig - standoff near 35 mm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2675-2682 - range map product
		3461MH0002270001202712R00	2712	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2658-2665 - best focus image product
		3461MH0002270001202713S00	2713	target Castlecraig - stereo-2 - relief model position 2 - standoff near 55 mm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2658-2665 - range map product
		3461MH0002270001202714R00	2714	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2647-2654 - best focus image product
		3461MH0002270001202715S00	2715	target Castlecraig - stereo-1 - relief model position 1 - standoff near 55 mm - focus stack acquired sol 3459 with MSL CAMERA_PRODUCT_IDs 2647-2654 - range map product

updated: 17_June_2022

Sol 3462 - MAHLI Images

acquired/performed date(s):	3-May-22
camera positions:	7
total parent images:	54
focus merges performed:	5
total focus merge products:	10
total parent images + focus merge products:	64

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Gran_Sabana and Berbice and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Gran_Sabana ~25 cm standoff	3462MH0001900001202716C00	2716	autofocus sub-frame for target Gran_Sabana - standoff near 25 cm
		3462MH0001900011202717C00	2717	target Gran_Sabana - standoff near 25 cm
mhli00299	Gran_Sabana stereo-1 ~5 cm standoff	3462MH0002990001202718C00	2718	autofocus sub-frame for target Gran_Sabana - stereo-1 - standoff near 5 cm
		3462MH0002990011202719C00	2719	target Gran_Sabana - stereo-1 - standoff near 5 cm
		3462MH0002990021202720C00	2720	target Gran_Sabana - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3462MH0002990021202721C00	2721	target Gran_Sabana - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3462MH0002990021202722C00	2722	target Gran_Sabana - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3462MH0002990021202723C00	2723	target Gran_Sabana - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3462MH0002990021202724C00	2724	target Gran_Sabana - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3462MH0002990021202725C00	2725	target Gran_Sabana - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3462MH0002990021202726C00	2726	target Gran_Sabana - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3462MH0002990021202727C00	2727	target Gran_Sabana - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00299	Gran_Sabana stereo-2 ~5 cm standoff	3462MH0002990001202728C00	2728	autofocus sub-frame for target Gran_Sabana - stereo-2 - standoff near 5 cm
		3462MH0002990011202729C00	2729	target Gran_Sabana - stereo-2 - standoff near 5 cm
		3462MH0002990021202730C00	2730	target Gran_Sabana - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3462MH0002990021202731C00	2731	target Gran_Sabana - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3462MH0002990021202732C00	2732	target Gran_Sabana - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3462MH0002990021202733C00	2733	target Gran_Sabana - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3462MH0002990021202734C00	2734	target Gran_Sabana - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3462MH0002990021202735C00	2735	target Gran_Sabana - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3462MH0002990021202736C00	2736	target Gran_Sabana - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3462MH0002990021202737C00	2737	target Gran_Sabana - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00311	Gran_Sabana ~2 cm standoff	3462MH0003110001202738C00	2738	autofocus sub-frame for target Gran_Sabana - standoff near 2 cm
		3462MH0003110011202739C00	2739	target Gran_Sabana - standoff near 2 cm
		3462MH0003110021202740C00	2740	target Gran_Sabana - standoff near 2 cm - image 1 in 8-image relative focus stack
		3462MH0003110021202741C00	2741	target Gran_Sabana - standoff near 2 cm - image 2 in 8-image relative focus stack
		3462MH0003110021202742C00	2742	target Gran_Sabana - standoff near 2 cm - image 3 in 8-image relative focus stack
		3462MH0003110021202743C00	2743	target Gran_Sabana - standoff near 2 cm - image 4 in 8-image relative focus stack
		3462MH0003110021202744C00	2744	target Gran_Sabana - standoff near 2 cm - image 5 in 8-image relative focus stack
		3462MH0003110021202745C00	2745	target Gran_Sabana - standoff near 2 cm - image 6 in 8-image relative focus stack
		3462MH0003110021202746C00	2746	target Gran_Sabana - standoff near 2 cm - image 7 in 8-image relative focus stack
		3462MH0003110021202747C00	2747	target Gran_Sabana - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00172	Berbice ~20 cm standoff	3462MH0001720001202748C00	2748	autofocus sub-frame for target Berbice - standoff near 20 cm
		3462MH0001720011202749C00	2749	target Berbice - standoff near 20 cm
mhli00363	Berbice stereo-1 ~55 mm standoff	3462MH0003630001202750C00	2750	autofocus sub-frame for target Berbice - stereo-1 - standoff near 55 mm
		3462MH0003630011202751C00	2751	target Berbice - stereo-1 - standoff near 55 mm
		3462MH0003630021202752C00	2752	target Berbice - stereo-1 - standoff near 55 mm - image 1 in 8-image relative focus stack
		3462MH0003630021202753C00	2753	target Berbice - stereo-1 - standoff near 55 mm - image 2 in 8-image relative focus stack
		3462MH0003630021202754C00	2754	target Berbice - stereo-1 - standoff near 55 mm - image 3 in 8-image relative focus stack
		3462MH0003630021202755C00	2755	target Berbice - stereo-1 - standoff near 55 mm - image 4 in 8-image relative focus stack
		3462MH0003630021202756C00	2756	target Berbice - stereo-1 - standoff near 55 mm - image 5 in 8-image relative focus stack
		3462MH0003630021202757C00	2757	target Berbice - stereo-1 - standoff near 55 mm - image 6 in 8-image relative focus stack
		3462MH0003630021202758C00	2758	target Berbice - stereo-1 - standoff near 55 mm - image 7 in 8-image relative focus stack
		3462MH0003630021202759C00	2759	target Berbice - stereo-1 - standoff near 55 mm - image 8 in 8-image relative focus stack
mhli00363	Berbice stereo-2 ~55 mm standoff	3462MH0003630001202760C00	2760	autofocus sub-frame for target Berbice - stereo-2 - standoff near 55 mm
		3462MH0003630011202761C00	2761	target Berbice - stereo-2 - standoff near 55 mm
		3462MH0003630021202762C00	2762	target Berbice - stereo-2 - standoff near 55 mm - image 1 in 8-image relative focus stack
		3462MH0003630021202763C00	2763	target Berbice - stereo-2 - standoff near 55 mm - image 2 in 8-image relative focus stack
		3462MH0003630021202764C00	2764	target Berbice - stereo-2 - standoff near 55 mm - image 3 in 8-image relative focus stack
		3462MH0003630021202765C00	2765	target Berbice - stereo-2 - standoff near 55 mm - image 4 in 8-image relative focus stack
		3462MH0003630021202766C00	2766	target Berbice - stereo-2 - standoff near 55 mm - image 5 in 8-image relative focus stack
		3462MH0003630021202767C00	2767	target Berbice - stereo-2 - standoff near 55 mm - image 6 in 8-image relative focus stack
		3462MH0003630021202768C00	2768	target Berbice - stereo-2 - standoff near 55 mm - image 7 in 8-image relative focus stack
		3462MH0003630021202769C00	2769	target Berbice - stereo-2 - standoff near 55 mm - image 8 in 8-image relative focus stack
mhli00227	Focus Merges	3462MH0002270001202770R00	2770	target Berbice - stereo-2 - standoff near 55 mm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2762-2769 - best focus image product
		3462MH0002270001202771S00	2771	target Berbice - stereo-2 - standoff near 55 mm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2762-2769 - range map product
		3462MH0002270001202772R00	2772	target Berbice - stereo-1 - standoff near 55 mm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2752-2759 - best focus image product
		3462MH0002270001202773S00	2773	target Berbice - stereo-1 - standoff near 55 mm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2752-2759 - range map product
		3462MH0002270001202774R00	2774	target Gran_Sabana - standoff near 2 cm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2740-2747 - best focus image product
		3462MH0002270001202775S00	2775	target Gran_Sabana - standoff near 2 cm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2740-2747 - range map product
		3462MH0002270001202776R00	2776	target Gran_Sabana - stereo-2 - standoff near 5 cm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2730-2737 - best focus image product
		3462MH0002270001202777S00	2777	target Gran_Sabana - stereo-2 - standoff near 5 cm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2730-2737 - range map product
		3462MH0002270001202778R00	2778	target Gran_Sabana - stereo-1 - standoff near 5 cm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2720-2727 - best focus image product
		3462MH0002270001202779S00	2779	target Gran_Sabana - stereo-1 - standoff near 5 cm - focus stack acquired sol 3462 with MSL CAMERA_PRODUCT_IDs 2720-2727 - range map product

updated: 17_June_2022

Sol 3465 - MAHLI Images

acquired/performed date(s):	6-May-22
camera positions:	4
total parent images:	32
focus merges performed:	3
total focus merge products:	6
total parent images + focus merge products:	38

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Firina (2x1 mosaic) and Bartica and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00846	Firina mosaic position 1 of 2 ~20 cm standoff	3465MH0008460001202780C00	2780	autofocus sub-frame for target Firina - mosaic position 1 of 2 - standoff near 20 cm
		3465MH0008460011202781C00	2781	target Firina - mosaic position 1 of 2 - standoff near 20 cm
		3465MH0008460021202782C00	2782	target Firina - mosaic position 1 of 2 - standoff near 20 cm - image 1 in 8-image relative focus stack
		3465MH0008460021202783C00	2783	target Firina - mosaic position 1 of 2 - standoff near 20 cm - image 2 in 8-image relative focus stack
		3465MH0008460021202784C00	2784	target Firina - mosaic position 1 of 2 - standoff near 20 cm - image 3 in 8-image relative focus stack
		3465MH0008460021202785C00	2785	target Firina - mosaic position 1 of 2 - standoff near 20 cm - image 4 in 8-image relative focus stack
		3465MH0008460021202786C00	2786	target Firina - mosaic position 1 of 2 - standoff near 20 cm - image 5 in 8-image relative focus stack
		3465MH0008460021202787C00	2787	target Firina - mosaic position 1 of 2 - standoff near 20 cm - image 6 in 8-image relative focus stack
		3465MH0008460021202788C00	2788	target Firina - mosaic position 1 of 2 - standoff near 20 cm - image 7 in 8-image relative focus stack
		3465MH0008460021202789C00	2789	target Firina - mosaic position 1 of 2 - standoff near 20 cm - image 8 in 8-image relative focus stack
mhli00846	Firina mosaic position 2 of 2 ~24 cm standoff	3465MH0008460001202790C00	2790	autofocus sub-frame for target Firina - mosaic position 2 of 2 - standoff near 24 cm
		3465MH0008460011202791C00	2791	target Firina - mosaic position 2 of 2 - standoff near 24 cm
		3465MH0008460021202792C00	2792	target Firina - mosaic position 2 of 2 - standoff near 24 cm - image 1 in 8-image relative focus stack
		3465MH0008460021202793C00	2793	target Firina - mosaic position 2 of 2 - standoff near 24 cm - image 2 in 8-image relative focus stack
		3465MH0008460021202794C00	2794	target Firina - mosaic position 2 of 2 - standoff near 24 cm - image 3 in 8-image relative focus stack
		3465MH0008460021202795C00	2795	target Firina - mosaic position 2 of 2 - standoff near 24 cm - image 4 in 8-image relative focus stack
		3465MH0008460021202796C00	2796	target Firina - mosaic position 2 of 2 - standoff near 24 cm - image 5 in 8-image relative focus stack
		3465MH0008460021202797C00	2797	target Firina - mosaic position 2 of 2 - standoff near 24 cm - image 6 in 8-image relative focus stack
		3465MH0008460021202798C00	2798	target Firina - mosaic position 2 of 2 - standoff near 24 cm - image 7 in 8-image relative focus stack
		3465MH0008460021202799C00	2799	target Firina - mosaic position 2 of 2 - standoff near 24 cm - image 8 in 8-image relative focus stack
mhli00190	Bartica ~24 cm standoff	3465MH0001900001202800C00	2800	autofocus sub-frame for target Bartica - standoff near 24 cm
		3465MH0001900011202801C00	2801	target Bartica - standoff near 24 cm
mhli00224	Bartica ~4 cm standoff	3465MH0002240001202802C00	2802	autofocus sub-frame for target Bartica - standoff near 4 cm
		3465MH0002240011202803C00	2803	target Bartica - standoff near 4 cm
		3465MH0002240021202804C00	2804	target Bartica - standoff near 4 cm - image 1 in 8-image relative focus stack
		3465MH0002240021202805C00	2805	target Bartica - standoff near 4 cm - image 2 in 8-image relative focus stack
		3465MH0002240021202806C00	2806	target Bartica - standoff near 4 cm - image 3 in 8-image relative focus stack
		3465MH0002240021202807C00	2807	target Bartica - standoff near 4 cm - image 4 in 8-image relative focus stack
		3465MH0002240021202808C00	2808	target Bartica - standoff near 4 cm - image 5 in 8-image relative focus stack
		3465MH0002240021202809C00	2809	target Bartica - standoff near 4 cm - image 6 in 8-image relative focus stack
		3465MH0002240021202810C00	2810	target Bartica - standoff near 4 cm - image 7 in 8-image relative focus stack
		3465MH0002240021202811C00	2811	target Bartica - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00193	Focus Merges	3465MH0001930001202812R00	2812	target Bartica - standoff near 4 cm - focus stack acquired sol 3465 with MSL CAMERA_PRODUCT_IDs 2804-2811 - best focus image product
		3465MH0001930001202813S00	2813	target Bartica - standoff near 4 cm - focus stack acquired sol 3465 with MSL CAMERA_PRODUCT_IDs 2804-2811 - range map product
		3465MH0001930001202814R00	2814	target Firina - mosaic position 2 of 2 - standoff near 24 cm - focus stack acquired sol 3465 with MSL CAMERA_PRODUCT_IDs 2792-2799 - best focus image product
		3465MH0001930001202815S00	2815	target Firina - mosaic position 2 of 2 - standoff near 24 cm - focus stack acquired sol 3465 with MSL CAMERA_PRODUCT_IDs 2792-2799 - range map product
		3465MH0001930001202816R00	2816	target Firina - mosaic position 1 of 2 - standoff near 20 cm - focus stack acquired sol 3465 with MSL CAMERA_PRODUCT_IDs 2782-2789 - best focus image product
		3465MH0001930001202817S00	2817	target Firina - mosaic position 1 of 2 - standoff near 20 cm - focus stack acquired sol 3465 with MSL CAMERA_PRODUCT_IDs 2782-2789 - range map product

updated: 20_June_2022

Sol 3466 - MAHLI Images

acquired/performed date(s):	7-May-22
camera positions:	12
total parent images:	72
focus merges performed:	6
total focus merge products:	12
total parent images + focus merge products:	84

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Bonfim, Kurupukari (4x1 mosaic) and Oshi and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Bonfim ~25 cm standoff	3466MH0001900001202818C00	2818	autofocus sub-frame for target Bonfim - standoff near 25 cm
		3466MH0001900011202819C00	2819	target Bonfim - standoff near 25 cm
mhli00173	Bonfim stereo-1 ~5 cm standoff	3466MH0001730001202820C00	2820	autofocus sub-frame for target Bonfim - stereo-1 - standoff near 5 cm
		3466MH0001730011202821C00	2821	target Bonfim - stereo-1 - standoff near 5 cm
		3466MH0001730021202822C00	2822	target Bonfim - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3466MH0001730021202823C00	2823	target Bonfim - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3466MH0001730021202824C00	2824	target Bonfim - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3466MH0001730021202825C00	2825	target Bonfim - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3466MH0001730021202826C00	2826	target Bonfim - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3466MH0001730021202827C00	2827	target Bonfim - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3466MH0001730021202828C00	2828	target Bonfim - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3466MH0001730021202829C00	2829	target Bonfim - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00173	Bonfim stereo-2 ~5 cm standoff	3466MH0001730001202830C00	2830	autofocus sub-frame for target Bonfim - stereo-2 - standoff near 5 cm
		3466MH0001730011202831C00	2831	target Bonfim - stereo-2 - standoff near 5 cm
		3466MH0001730021202832C00	2832	target Bonfim - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3466MH0001730021202833C00	2833	target Bonfim - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3466MH0001730021202834C00	2834	target Bonfim - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3466MH0001730021202835C00	2835	target Bonfim - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3466MH0001730021202836C00	2836	target Bonfim - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3466MH0001730021202837C00	2837	target Bonfim - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3466MH0001730021202838C00	2838	target Bonfim - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3466MH0001730021202839C00	2839	target Bonfim - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00176	Bonfim ~2 cm standoff	3466MH0001760001202840C00	2840	autofocus sub-frame for target Bonfim - standoff near 2 cm
		3466MH0001760011202841C00	2841	target Bonfim - standoff near 2 cm
		3466MH0001760021202842C00	2842	target Bonfim - standoff near 2 cm - image 1 in 8-image relative focus stack
		3466MH0001760021202843C00	2843	target Bonfim - standoff near 2 cm - image 2 in 8-image relative focus stack
		3466MH0001760021202844C00	2844	target Bonfim - standoff near 2 cm - image 3 in 8-image relative focus stack
		3466MH0001760021202845C00	2845	target Bonfim - standoff near 2 cm - image 4 in 8-image relative focus stack
		3466MH0001760021202846C00	2846	target Bonfim - standoff near 2 cm - image 5 in 8-image relative focus stack
		3466MH0001760021202847C00	2847	target Bonfim - standoff near 2 cm - image 6 in 8-image relative focus stack
		3466MH0001760021202848C00	2848	target Bonfim - standoff near 2 cm - image 7 in 8-image relative focus stack
		3466MH0001760021202849C00	2849	target Bonfim - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00190	Kurupukari mosaic position 1 of 4 ~22 cm standoff	3466MH0001900001202850C00	2850	autofocus sub-frame for target Kurupukari - mosaic position 1 of 4 - standoff near 22 cm
		3466MH0001900011202851C00	2851	target Kurupukari - mosaic position 1 of 4 - standoff near 22 cm
mhli00190	Kurupukari mosaic position 2 of 4 ~23 cm standoff	3466MH0001900001202852C00	2852	autofocus sub-frame for target Kurupukari - mosaic position 2 of 4 - standoff near 23 cm
		3466MH0001900011202853C00	2853	target Kurupukari - mosaic position 2 of 4 - standoff near 23 cm
mhli00190	Kurupukari mosaic position 3 of 4 ~23 cm standoff	3466MH0001900001202854C00	2854	autofocus sub-frame for target Kurupukari - mosaic position 3 of 4 - standoff near 23 cm
		3466MH0001900011202855C00	2855	target Kurupukari - mosaic position 3 of 4 - standoff near 23 cm
mhli00190	Kurupukari mosaic position 4 of 4 ~23 cm standoff	3466MH0001900001202856C00	2856	autofocus sub-frame for target Kurupukari - mosaic position 4 of 4 - standoff near 23 cm
		3466MH0001900011202857C00	2857	target Kurupukari - mosaic position 4 of 4 - standoff near 23 cm
mhli00190	Oshi ~25 cm standoff	3466MH0001900001202858C00	2858	autofocus sub-frame for target Oshi - standoff near 25 cm
		3466MH0001900011202859C00	2859	target Oshi - standoff near 25 cm
mhli00182	Oshi stereo-1 ~5 cm standoff	3466MH0001820001202860C00	2860	autofocus sub-frame for target Oshi - stereo-1 - standoff near 5 cm
		3466MH0001820011202861C00	2861	target Oshi - stereo-1 - standoff near 5 cm
		3466MH0001820021202862C00	2862	target Oshi - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3466MH0001820021202863C00	2863	target Oshi - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3466MH0001820021202864C00	2864	target Oshi - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3466MH0001820021202865C00	2865	target Oshi - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3466MH0001820021202866C00	2866	target Oshi - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3466MH0001820021202867C00	2867	target Oshi - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3466MH0001820021202868C00	2868	target Oshi - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3466MH0001820021202869C00	2869	target Oshi - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00182	Oshi stereo-2 ~5 cm standoff	3466MH0001820001202870C00	2870	autofocus sub-frame for target Oshi - stereo-2 - standoff near 5 cm
		3466MH0001820011202871C00	2871	target Oshi - stereo-2 - standoff near 5 cm
		3466MH0001820021202872C00	2872	target Oshi - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3466MH0001820021202873C00	2873	target Oshi - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3466MH0001820021202874C00	2874	target Oshi - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3466MH0001820021202875C00	2875	target Oshi - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3466MH0001820021202876C00	2876	target Oshi - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3466MH0001820021202877C00	2877	target Oshi - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3466MH0001820021202878C00	2878	target Oshi - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3466MH0001820021202879C00	2879	target Oshi - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack

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mhli00426	Oshi ~1 cm standoff	3466MH0004260001202880C00	2880	autofocus sub-frame for target Oshi - standoff near 1 cm
		3466MH0004260011202881C00	2881	target Oshi - standoff near 1 cm
		3466MH0004260021202882C00	2882	target Oshi - standoff near 1 cm - image 1 in 8-image relative focus stack
		3466MH0004260021202883C00	2883	target Oshi - standoff near 1 cm - image 2 in 8-image relative focus stack
		3466MH0004260021202884C00	2884	target Oshi - standoff near 1 cm - image 3 in 8-image relative focus stack
		3466MH0004260021202885C00	2885	target Oshi - standoff near 1 cm - image 4 in 8-image relative focus stack
		3466MH0004260021202886C00	2886	target Oshi - standoff near 1 cm - image 5 in 8-image relative focus stack
		3466MH0004260021202887C00	2887	target Oshi - standoff near 1 cm - image 6 in 8-image relative focus stack
		3466MH0004260021202888C00	2888	target Oshi - standoff near 1 cm - image 7 in 8-image relative focus stack
		3466MH0004260021202889C00	2889	target Oshi - standoff near 1 cm - image 8 in 8-image relative focus stack
mhli00163	Focus Merges	3466MH0001630001202890R00	2890	target Oshi - standoff near 1 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2882-2889 - best focus image product
		3466MH0001630001202891S00	2891	target Oshi - standoff near 1 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2882-2889 - range map product
		3466MH0001630001202892R00	2892	target Oshi - stereo-2 - standoff near 5 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2872-2879 - best focus image product
		3466MH0001630001202893S00	2893	target Oshi - stereo-2 - standoff near 5 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2872-2879 - range map product
		3466MH0001630001202894R00	2894	target Oshi - stereo-1 - standoff near 5 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2862-2869 - best focus image product
		3466MH0001630001202895S00	2895	target Oshi - stereo-1 - standoff near 5 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2862-2869 - range map product
		3466MH0001630001202896R00	2896	target Bonfim - standoff near 2 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2842-2849 - best focus image product
		3466MH0001630001202897S00	2897	target Bonfim - standoff near 2 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2842-2849 - range map product
		3466MH0001630001202898R00	2898	target Bonfim - stereo-2 - standoff near 5 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2832-2839 - best focus image product
		3466MH0001630001202899S00	2899	target Bonfim - stereo-2 - standoff near 5 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2832-2839 - range map product
		3466MH0001630001202900R00	2900	target Bonfim - stereo-1 - standoff near 5 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2822-2829 - best focus image product
		3466MH0001630001202901S00	2901	target Bonfim - stereo-1 - standoff near 5 cm - focus stack acquired sol 3466 with MSL CAMERA_PRODUCT_IDs 2822-2829 - range map product

updated: 17_August_2022

Sol 3469 - MAHLI Images

acquired/performed date(s):	10-May-22
camera positions:	6
total parent images:	44
focus merges performed:	4
total focus merge products:	8
total parent images + focus merge products:	52

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets El_Oso and Parima and the focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	El_Oso ~25 cm standoff	3469MH0001900001202902C00	2902	autofocus sub-frame for target El_Oso - standoff near 25 cm
		3469MH0001900011202903C00	2903	target El_Oso - standoff near 25 cm
mhli00224	El_Oso stereo-1 ~45 mm standoff	3469MH0002240001202904C00	2904	autofocus sub-frame for target El_Oso - stereo-1 - standoff near 45 mm
		3469MH0002240011202905C00	2905	target El_Oso - stereo-1 - standoff near 45 mm
		3469MH0002240021202906C00	2906	target El_Oso - stereo-1 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3469MH0002240021202907C00	2907	target El_Oso - stereo-1 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3469MH0002240021202908C00	2908	target El_Oso - stereo-1 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3469MH0002240021202909C00	2909	target El_Oso - stereo-1 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3469MH0002240021202910C00	2910	target El_Oso - stereo-1 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3469MH0002240021202911C00	2911	target El_Oso - stereo-1 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3469MH0002240021202912C00	2912	target El_Oso - stereo-1 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3469MH0002240021202913C00	2913	target El_Oso - stereo-1 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00224	El_Oso stereo-2 ~45 mm standoff	3469MH0002240001202914C00	2914	autofocus sub-frame for target El_Oso - stereo-2 - standoff near 45 mm
		3469MH0002240011202915C00	2915	target El_Oso - stereo-2 - standoff near 45 mm
		3469MH0002240021202916C00	2916	target El_Oso - stereo-2 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3469MH0002240021202917C00	2917	target El_Oso - stereo-2 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3469MH0002240021202918C00	2918	target El_Oso - stereo-2 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3469MH0002240021202919C00	2919	target El_Oso - stereo-2 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3469MH0002240021202920C00	2920	target El_Oso - stereo-2 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3469MH0002240021202921C00	2921	target El_Oso - stereo-2 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3469MH0002240021202922C00	2922	target El_Oso - stereo-2 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3469MH0002240021202923C00	2923	target El_Oso - stereo-2 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00190	Parima ~25 cm standoff	3469MH0001900001202924C00	2924	autofocus sub-frame for target Parima - standoff near 25 cm
		3469MH0001900011202925C00	2925	target Parima - standoff near 25 cm
mhli00173	Parima stereo-1 ~45 mm standoff	3469MH0001730001202926C00	2926	autofocus sub-frame for target Parima - stereo-1 - standoff near 45 mm
		3469MH0001730011202927C00	2927	target Parima - stereo-1 - standoff near 45 mm
		3469MH0001730021202928C00	2928	target Parima - stereo-1 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3469MH0001730021202929C00	2929	target Parima - stereo-1 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3469MH0001730021202930C00	2930	target Parima - stereo-1 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3469MH0001730021202931C00	2931	target Parima - stereo-1 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3469MH0001730021202932C00	2932	target Parima - stereo-1 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3469MH0001730021202933C00	2933	target Parima - stereo-1 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3469MH0001730021202934C00	2934	target Parima - stereo-1 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3469MH0001730021202935C00	2935	target Parima - stereo-1 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00173	Parima stereo-2 ~45 mm standoff	3469MH0001730001202936C00	2936	autofocus sub-frame for target Parima - stereo-2 - standoff near 45 mm
		3469MH0001730011202937C00	2937	target Parima - stereo-2 - standoff near 45 mm
		3469MH0001730021202938C00	2938	target Parima - stereo-2 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3469MH0001730021202939C00	2939	target Parima - stereo-2 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3469MH0001730021202940C00	2940	target Parima - stereo-2 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3469MH0001730021202941C00	2941	target Parima - stereo-2 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3469MH0001730021202942C00	2942	target Parima - stereo-2 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3469MH0001730021202943C00	2943	target Parima - stereo-2 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3469MH0001730021202944C00	2944	target Parima - stereo-2 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3469MH0001730021202945C00	2945	target Parima - stereo-2 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00153	Focus Merges	3469MH0001530001202946R00	2946	target Parima - stereo-2 - standoff near 45 mm - focus stack acquired sol 3469 with MSL CAMERA_PRODUCT_IDs 2938-2945 - best focus image product
		3469MH0001530001202947S00	2947	target Parima - stereo-2 - standoff near 45 mm - focus stack acquired sol 3469 with MSL CAMERA_PRODUCT_IDs 2938-2945 - range map product
		3469MH0001530001202948R00	2948	target Parima - stereo-1 - standoff near 45 mm - focus stack acquired sol 3469 with MSL CAMERA_PRODUCT_IDs 2928-2935 - best focus image product
		3469MH0001530001202949S00	2949	target Parima - stereo-1 - standoff near 45 mm - focus stack acquired sol 3469 with MSL CAMERA_PRODUCT_IDs 2928-2935 - range map product
		3469MH0001530001202950R00	2950	target El_Oso - stereo-2 - standoff near 45 mm - focus stack acquired sol 3469 with MSL CAMERA_PRODUCT_IDs 2916-2923 - best focus image product
		3469MH0001530001202951S00	2951	target El_Oso - stereo-2 - standoff near 45 mm - focus stack acquired sol 3469 with MSL CAMERA_PRODUCT_IDs 2916-2923 - range map product
		3469MH0001530001202952R00	2952	target El_Oso - stereo-1 - standoff near 45 mm - focus stack acquired sol 3469 with MSL CAMERA_PRODUCT_IDs 2906-2913 - best focus image product
		3469MH0001530001202953S00	2953	target El_Oso - stereo-1 - standoff near 45 mm - focus stack acquired sol 3469 with MSL CAMERA_PRODUCT_IDs 2906-2913 - range map product

updated: 20_June_2022

Sol 3471 - MAHLI Images

acquired/performed date(s):	12-May-22
camera positions:	10
total parent images:	60
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	60

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the DRT-brushed target Pastora and the target Tama_Tama.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Pastora after DRT ~25 cm standoff	3471MH0001900001202954C00	2954	autofocus sub-frame for target Pastora - after dust removal tool (DRT) - standoff near 25 cm
		3471MH0001900011202955C00	2955	target Pastora - after dust removal tool (DRT) - standoff near 25 cm
mhli00173	Pastora after DRT stereo-1 relief model position 1 ~5 cm standoff	3471MH0001730001202956C00	2956	autofocus sub-frame for target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm
		3471MH0001730011202957C00	2957	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm
		3471MH0001730021202958C00	2958	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3471MH0001730021202959C00	2959	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3471MH0001730021202960C00	2960	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3471MH0001730021202961C00	2961	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3471MH0001730021202962C00	2962	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3471MH0001730021202963C00	2963	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3471MH0001730021202964C00	2964	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3471MH0001730021202965C00	2965	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00173	Pastora after DRT stereo-2 relief model position 2 ~5 cm standoff	3471MH0001730001202966C00	2966	autofocus sub-frame for target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm
		3471MH0001730011202967C00	2967	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm
		3471MH0001730021202968C00	2968	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3471MH0001730021202969C00	2969	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3471MH0001730021202970C00	2970	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3471MH0001730021202971C00	2971	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3471MH0001730021202972C00	2972	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3471MH0001730021202973C00	2973	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3471MH0001730021202974C00	2974	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3471MH0001730021202975C00	2975	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00705	Pastora after DRT relief model position 3 ~5 cm standoff	3471MH0000705000202976C00	2976	autofocus sub-frame for target Pastora - after dust removal tool (DRT) - relief model position 3 - standoff near 5 cm
		3471MH0000705001202977C00	2977	target Pastora - after dust removal tool (DRT) - relief model position 3 - standoff near 5 cm
mhli00705	Pastora after DRT relief model position 4 ~5 cm standoff	3471MH0000705000202978C00	2978	autofocus sub-frame for target Pastora - after dust removal tool (DRT) - relief model position 4 - standoff near 5 cm
		3471MH0000705001202979C00	2979	target Pastora - after dust removal tool (DRT) - relief model position 4 - standoff near 5 cm
mhli00705	Pastora after DRT relief model position 5 ~5 cm standoff	3471MH0000705000202980C00	2980	autofocus sub-frame for target Pastora - after dust removal tool (DRT) - relief model position 5 - standoff near 5 cm
		3471MH0000705001202981C00	2981	target Pastora - after dust removal tool (DRT) - relief model position 5 - standoff near 5 cm
mhli00174	Pastora after DRT ~2 cm standoff	3471MH0001740001202982C00	2982	autofocus sub-frame for target Pastora - after dust removal tool (DRT) - standoff near 2 cm
		3471MH0001740011202983C00	2983	target Pastora - after dust removal tool (DRT) - standoff near 2 cm
		3471MH0001740021202984C00	2984	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - image 1 in 8-image relative focus stack
		3471MH0001740021202985C00	2985	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - image 2 in 8-image relative focus stack
		3471MH0001740021202986C00	2986	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - image 3 in 8-image relative focus stack
		3471MH0001740021202987C00	2987	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - image 4 in 8-image relative focus stack
		3471MH0001740021202988C00	2988	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - image 5 in 8-image relative focus stack
		3471MH0001740021202989C00	2989	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - image 6 in 8-image relative focus stack
		3471MH0001740021202990C00	2990	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - image 7 in 8-image relative focus stack
		3471MH0001740021202991C00	2991	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00190	Tama_Tama ~25 cm standoff	3471MH0001900001202992C00	2992	autofocus sub-frame for target Tama_Tama - standoff near 25 cm
		3471MH0001900011202993C00	2993	target Tama_Tama - standoff near 25 cm
mhli00168	Tama_Tama stereo-1 ~5 cm standoff	3471MH0001680001202994C00	2994	autofocus sub-frame for target Tama_Tama - stereo-1 - standoff near 5 cm
		3471MH0001680011202995C00	2995	target Tama_Tama - stereo-1 - standoff near 5 cm
		3471MH0001680021202996C00	2996	target Tama_Tama - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3471MH0001680021202997C00	2997	target Tama_Tama - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3471MH0001680021202998C00	2998	target Tama_Tama - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3471MH0001680021202999C00	2999	target Tama_Tama - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3471MH0001680021203000C00	3000	target Tama_Tama - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3471MH0001680021203001C00	3001	target Tama_Tama - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3471MH0001680021203002C00	3002	target Tama_Tama - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3471MH0001680021203003C00	3003	target Tama_Tama - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00168	Tama_Tama stereo-2 ~5 cm standoff	3471MH0001680001203004C00	3004	autofocus sub-frame for target Tama_Tama - stereo-2 - standoff near 5 cm
		3471MH0001680011203005C00	3005	target Tama_Tama - stereo-2 - standoff near 5 cm
		3471MH0001680021203006C00	3006	target Tama_Tama - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3471MH0001680021203007C00	3007	target Tama_Tama - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3471MH0001680021203008C00	3008	target Tama_Tama - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3471MH0001680021203009C00	3009	target Tama_Tama - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3471MH0001680021203010C00	3010	target Tama_Tama - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3471MH0001680021203011C00	3011	target Tama_Tama - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3471MH0001680021203012C00	3012	target Tama_Tama - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3471MH0001680021203013C00	3013	target Tama_Tama - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack

updated: 16_May_2022

Sol 3472 - MAHLI Images

acquired/performed date(s):	13-May-22
camera positions:	0
total parent images:	0
focus merges performed:	5
total focus merge products:	10
total parent images + focus merge products:	10

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3471 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00227	Focus Merges	3472MH0002270001203014R00	3014	target Tama_Tama - stereo-2 - standoff near 5 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 3006-3013 - best focus image product
		3472MH0002270001203015S00	3015	target Tama_Tama - stereo-2 - standoff near 5 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 3006-3013 - range map product
		3472MH0002270001203016R00	3016	target Tama_Tama - stereo-1 - standoff near 5 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 2996-3003 - best focus image product
		3472MH0002270001203017S00	3017	target Tama_Tama - stereo-1 - standoff near 5 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 2996-3003 - range map product
		3472MH0002270001203018R00	3018	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 2984-2991 - best focus image product
		3472MH0002270001203019S00	3019	target Pastora - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 2984-2991 - range map product
		3472MH0002270001203020R00	3020	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 2968-2975 - best focus image product
		3472MH0002270001203021S00	3021	target Pastora - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 2968-2975 - range map product
		3472MH0002270001203022R00	3022	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 2958-2965 - best focus image product
		3472MH0002270001203023S00	3023	target Pastora - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3471 with MSL CAMERA_PRODUCT_IDs 2958-2965 - range map product

updated: 23_June_2022

Sol 3473 - MAHLI Images

acquired/performed date(s):	14-May-22
camera positions:	7
total parent images:	54
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	54

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities:	MAHLI imaged the DRT-brushed target San_Pedro and the target Pedra_Pintada.			
Sequence	**Camera Position**	**Image ID**	**CDPID**	**Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)**
				0123456789
mhli00190	San_Pedro after DRT ~25 cm standoff	3473MH0001900001203024C00	3024	autofocus sub-frame for target San_Pedro – after dust removal tool (DRT) – standoff near 25 cm
		3473MH0001900011203025C00	3025	target San_Pedro – after dust removal tool (DRT) – standoff near 25 cm
mhli00299	San_Pedro after DRT stereo-1 ~5 cm standoff	3473MH0002990001203026C00	3026	autofocus sub-frame for target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm
		3473MH0002990011203027C00	3027	target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm
		3473MH0002990021203028C00	3028	target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3473MH0002990021203029C00	3029	target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3473MH0002990021203030C00	3030	target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3473MH0002990021203031C00	3031	target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3473MH0002990021203032C00	3032	target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3473MH0002990021203033C00	3033	target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3473MH0002990021203034C00	3034	target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3473MH0002990021203035C00	3035	target San_Pedro – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00299	San_Pedro after DRT stereo-2 ~5 cm standoff	3473MH0002990001203036C00	3036	autofocus sub-frame for target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm
		3473MH0002990011203037C00	3037	target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm
		3473MH0002990021203038C00	3038	target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3473MH0002990021203039C00	3039	target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3473MH0002990021203040C00	3040	target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3473MH0002990021203041C00	3041	target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3473MH0002990021203042C00	3042	target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3473MH0002990021203043C00	3043	target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3473MH0002990021203044C00	3044	target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3473MH0002990021203045C00	3045	target San_Pedro – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00337	San_Pedro after DRT ~2 cm standoff	3473MH0003370001203046C00	3046	autofocus sub-frame for target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm
		3473MH0003370011203047C00	3047	target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm
		3473MH0003370021203048C00	3048	target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm – image 1 in 8-image relative focus stack
		3473MH0003370021203049C00	3049	target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm – image 2 in 8-image relative focus stack
		3473MH0003370021203050C00	3050	target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm – image 3 in 8-image relative focus stack
		3473MH0003370021203051C00	3051	target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm – image 4 in 8-image relative focus stack
		3473MH0003370021203052C00	3052	target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm – image 5 in 8-image relative focus stack
		3473MH0003370021203053C00	3053	target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm – image 6 in 8-image relative focus stack
		3473MH0003370021203054C00	3054	target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm – image 7 in 8-image relative focus stack
		3473MH0003370021203055C00	3055	target San_Pedro – after dust removal tool (DRT) – standoff near 2 cm – image 8 in 8-image relative focus stack
mhli00190	Pedra_Pintada ~25 cm standoff	3473MH0001900001203056C00	3056	autofocus sub-frame for target Pedra_Pintada – standoff near 25 cm
		3473MH0001900011203057C00	3057	target Pedra_Pintada – standoff near 25 cm
mhli00182	Pedra_Pintada stereo-1 ~5 cm standoff	3473MH0001820001203058C00	3058	autofocus sub-frame for target Pedra_Pintada – stereo-1 – standoff near 5 cm
		3473MH0001820011203059C00	3059	target Pedra_Pintada – stereo-1 – standoff near 5 cm
		3473MH0001820021203060C00	3060	target Pedra_Pintada – stereo-1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3473MH0001820021203061C00	3061	target Pedra_Pintada – stereo-1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3473MH0001820021203062C00	3062	target Pedra_Pintada – stereo-1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3473MH0001820021203063C00	3063	target Pedra_Pintada – stereo-1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3473MH0001820021203064C00	3064	target Pedra_Pintada – stereo-1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3473MH0001820021203065C00	3065	target Pedra_Pintada – stereo-1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3473MH0001820021203066C00	3066	target Pedra_Pintada – stereo-1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3473MH0001820021203067C00	3067	target Pedra_Pintada – stereo-1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00182	Pedra_Pintada stereo-2 ~5 cm standoff	3473MH0001820001203068C00	3068	autofocus sub-frame for target Pedra_Pintada – stereo-2 – standoff near 5 cm
		3473MH0001820011203069C00	3069	target Pedra_Pintada – stereo-2 – standoff near 5 cm
		3473MH0001820021203070C00	3070	target Pedra_Pintada – stereo-2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3473MH0001820021203071C00	3071	target Pedra_Pintada – stereo-2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3473MH0001820021203072C00	3072	target Pedra_Pintada – stereo-2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3473MH0001820021203073C00	3073	target Pedra_Pintada – stereo-2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3473MH0001820021203074C00	3074	target Pedra_Pintada – stereo-2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3473MH0001820021203075C00	3075	target Pedra_Pintada – stereo-2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3473MH0001820021203076C00	3076	target Pedra_Pintada – stereo-2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3473MH0001820021203077C00	3077	target Pedra_Pintada – stereo-2 – standoff near 5 cm – image 8 in 8-image relative focus stack

updated: 16_May_2022

Sol 3474 - MAHLI Images

acquired/performed date(s):	15-May-22
camera positions:	0
total parent images:	0
focus merges performed:	5
total focus merge products:	10
total parent images + focus merge products:	10

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3473 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00227	Focus Merges	3474MH0002270001203078R00	3078	target Pedra_Pintada - stereo-2 - standoff near 5 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3070-3077 - best focus image product
		3474MH0002270001203079S00	3079	target Pedra_Pintada - stereo-2 - standoff near 5 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3070-3077 - range map product
		3474MH0002270001203080R00	3080	target Pedra_Pintada - stereo-1 - standoff near 5 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3060-3067 - best focus image product
		3474MH0002270001203081S00	3081	target Pedra_Pintada - stereo-1 - standoff near 5 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3060-3067 - range map product
		3474MH0002270001203082R00	3082	target San_Pedro - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3048-3055 - best focus image product
		3474MH0002270001203083S00	3083	target San_Pedro - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3048-3055 - range map product
		3474MH0002270001203084R00	3084	target San_Pedro - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3038-3045 - best focus image product
		3474MH0002270001203085S00	3085	target San_Pedro - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3038-3045 - range map product
		3474MH0002270001203086R00	3086	target San_Pedro - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3028-3035 - best focus image product
		3474MH0002270001203087S00	3087	target San_Pedro - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3473 with MSL CAMERA_PRODUCT_IDs 3028-3035 - range map product

updated: 22_June_2022

Sol 3476 - MAHLI Images

acquired/performed date(s):	17-May-22
camera positions:	3
total parent images:	22
focus merges performed:	2
total focus merge products:	4
total parent images + focus merge products:	26

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Aratana and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Aratana ~24 cm standoff	3476MH0001900001203088C00	3088	autofocus sub-frame for target Aratana - standoff near 24 cm
		3476MH0001900011203089C00	3089	target Aratana - standoff near 24 cm
mhli00841	Aratana stereo-1 ~14 cm standoff	3476MH0008410001203090C00	3090	autofocus sub-frame for target Aratana - stereo-1 - standoff near 14 cm
		3476MH0008410011203091C00	3091	target Aratana - stereo-1 - standoff near 14 cm
		3476MH0008410021203092C00	3092	target Aratana - stereo-1 - standoff near 14 cm - image 1 in 8-image relative focus stack
		3476MH0008410021203093C00	3093	target Aratana - stereo-1 - standoff near 14 cm - image 2 in 8-image relative focus stack
		3476MH0008410021203094C00	3094	target Aratana - stereo-1 - standoff near 14 cm - image 3 in 8-image relative focus stack
		3476MH0008410021203095C00	3095	target Aratana - stereo-1 - standoff near 14 cm - image 4 in 8-image relative focus stack
		3476MH0008410021203096C00	3096	target Aratana - stereo-1 - standoff near 14 cm - image 5 in 8-image relative focus stack
		3476MH0008410021203097C00	3097	target Aratana - stereo-1 - standoff near 14 cm - image 6 in 8-image relative focus stack
		3476MH0008410021203098C00	3098	target Aratana - stereo-1 - standoff near 14 cm - image 7 in 8-image relative focus stack
		3476MH0008410021203099C00	3099	target Aratana - stereo-1 - standoff near 14 cm - image 8 in 8-image relative focus stack
mhli00841	Aratana stereo-2 ~14 cm standoff	3476MH0008410001203100C00	3100	autofocus sub-frame for target Aratana - stereo-2 - standoff near 14 cm
		3476MH0008410011203101C00	3101	target Aratana - stereo-2 - standoff near 14 cm
		3476MH0008410021203102C00	3102	target Aratana - stereo-2 - standoff near 14 cm - image 1 in 8-image relative focus stack
		3476MH0008410021203103C00	3103	target Aratana - stereo-2 - standoff near 14 cm - image 2 in 8-image relative focus stack
		3476MH0008410021203104C00	3104	target Aratana - stereo-2 - standoff near 14 cm - image 3 in 8-image relative focus stack
		3476MH0008410021203105C00	3105	target Aratana - stereo-2 - standoff near 14 cm - image 4 in 8-image relative focus stack
		3476MH0008410021203106C00	3106	target Aratana - stereo-2 - standoff near 14 cm - image 5 in 8-image relative focus stack
		3476MH0008410021203107C00	3107	target Aratana - stereo-2 - standoff near 14 cm - image 6 in 8-image relative focus stack
		3476MH0008410021203108C00	3108	target Aratana - stereo-2 - standoff near 14 cm - image 7 in 8-image relative focus stack
		3476MH0008410021203109C00	3109	target Aratana - stereo-2 - standoff near 14 cm - image 8 in 8-image relative focus stack
mhli00265	Focus Merges	3476MH0002650001203110R00	3110	target Aratana - stereo-2 - standoff near 14 cm - focus stack acquired sol 3476 with MSL CAMERA_PRODUCT_IDs 3102-3109 - best focus image product
		3476MH0002650001203111S00	3111	target Aratana - stereo-2 - standoff near 14 cm - focus stack acquired sol 3476 with MSL CAMERA_PRODUCT_IDs 3102-3109 - range map product
		3476MH0002650001203112R00	3112	target Aratana - stereo-1 - standoff near 14 cm - focus stack acquired sol 3476 with MSL CAMERA_PRODUCT_IDs 3092-3099 - best focus image product
		3476MH0002650001203113S00	3113	target Aratana - stereo-1 - standoff near 14 cm - focus stack acquired sol 3476 with MSL CAMERA_PRODUCT_IDs 3092-3099 - range map product

updated: 22_June_2022

Sol 3478 - MAHLI Images

acquired/performed date(s):	19-May-22
camera positions:	10
total parent images:	92
focus merges performed:	9
total focus merge products:	18
total parent images + focus merge products:	110

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI acquired a 3x2 mosaic on the target Las_Claritas prior to brushing and then MAHLI imaged the DRT-brushed target Las_Claritas. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00291	Las_Claritas mosaic position 1 of 6 ~95 mm standoff	3478MH0002910001203114C00	3114	autofocus sub-frame for target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm
		3478MH0002910011203115C00	3115	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm
		3478MH0002910021203116C00	3116	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - image 1 in 8-image relative focus stack
		3478MH0002910021203117C00	3117	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - image 2 in 8-image relative focus stack
		3478MH0002910021203118C00	3118	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - image 3 in 8-image relative focus stack
		3478MH0002910021203119C00	3119	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - image 4 in 8-image relative focus stack
		3478MH0002910021203120C00	3120	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - image 5 in 8-image relative focus stack
		3478MH0002910021203121C00	3121	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - image 6 in 8-image relative focus stack
		3478MH0002910021203122C00	3122	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - image 7 in 8-image relative focus stack
		3478MH0002910021203123C00	3123	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - image 8 in 8-image relative focus stack
mhli00291	Las_Claritas mosaic position 2 of 6 ~85 mm standoff	3478MH0002910001203124C00	3124	autofocus sub-frame for target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm
		3478MH0002910011203125C00	3125	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm
		3478MH0002910021203126C00	3126	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - image 1 in 8-image relative focus stack
		3478MH0002910021203127C00	3127	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - image 2 in 8-image relative focus stack
		3478MH0002910021203128C00	3128	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - image 3 in 8-image relative focus stack
		3478MH0002910021203129C00	3129	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - image 4 in 8-image relative focus stack
		3478MH0002910021203130C00	3130	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - image 5 in 8-image relative focus stack
		3478MH0002910021203131C00	3131	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - image 6 in 8-image relative focus stack
		3478MH0002910021203132C00	3132	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - image 7 in 8-image relative focus stack
		3478MH0002910021203133C00	3133	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - image 8 in 8-image relative focus stack
mhli00291	Las_Claritas mosaic position 3 of 6 ~85 mm standoff	3478MH0002910001203134C00	3134	autofocus sub-frame for target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm
		3478MH0002910011203135C00	3135	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm
		3478MH0002910021203136C00	3136	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - image 1 in 8-image relative focus stack
		3478MH0002910021203137C00	3137	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - image 2 in 8-image relative focus stack
		3478MH0002910021203138C00	3138	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - image 3 in 8-image relative focus stack
		3478MH0002910021203139C00	3139	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - image 4 in 8-image relative focus stack
		3478MH0002910021203140C00	3140	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - image 5 in 8-image relative focus stack
		3478MH0002910021203141C00	3141	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - image 6 in 8-image relative focus stack
		3478MH0002910021203142C00	3142	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - image 7 in 8-image relative focus stack
		3478MH0002910021203143C00	3143	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - image 8 in 8-image relative focus stack
mhli00291	Las_Claritas mosaic position 4 of 6 ~95 mm standoff	3478MH0002910001203144C00	3144	autofocus sub-frame for target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm
		3478MH0002910011203145C00	3145	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm
		3478MH0002910021203146C00	3146	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - image 1 in 8-image relative focus stack
		3478MH0002910021203147C00	3147	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - image 2 in 8-image relative focus stack
		3478MH0002910021203148C00	3148	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - image 3 in 8-image relative focus stack
		3478MH0002910021203149C00	3149	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - image 4 in 8-image relative focus stack
		3478MH0002910021203150C00	3150	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - image 5 in 8-image relative focus stack
		3478MH0002910021203151C00	3151	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - image 6 in 8-image relative focus stack
		3478MH0002910021203152C00	3152	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - image 7 in 8-image relative focus stack
		3478MH0002910021203153C00	3153	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - image 8 in 8-image relative focus stack
mhli00291	Las_Claritas mosaic position 5 of 6 ~95 mm standoff	3478MH0002910001203154C00	3154	autofocus sub-frame for target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm
		3478MH0002910011203155C00	3155	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm
		3478MH0002910021203156C00	3156	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - image 1 in 8-image relative focus stack
		3478MH0002910021203157C00	3157	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - image 2 in 8-image relative focus stack
		3478MH0002910021203158C00	3158	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - image 3 in 8-image relative focus stack
		3478MH0002910021203159C00	3159	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - image 4 in 8-image relative focus stack
		3478MH0002910021203160C00	3160	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - image 5 in 8-image relative focus stack
		3478MH0002910021203161C00	3161	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - image 6 in 8-image relative focus stack
		3478MH0002910021203162C00	3162	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - image 7 in 8-image relative focus stack
		3478MH0002910021203163C00	3163	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - image 8 in 8-image relative focus stack
mhli00291	Las_Claritas mosaic position 6 of 6 ~85 mm standoff	3478MH0002910001203164C00	3164	autofocus sub-frame for target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm
		3478MH0002910011203165C00	3165	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm
		3478MH0002910021203166C00	3166	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - image 1 in 8-image relative focus stack
		3478MH0002910021203167C00	3167	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - image 2 in 8-image relative focus stack
		3478MH0002910021203168C00	3168	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - image 3 in 8-image relative focus stack
		3478MH0002910021203169C00	3169	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - image 4 in 8-image relative focus stack
		3478MH0002910021203170C00	3170	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - image 5 in 8-image relative focus stack
		3478MH0002910021203171C00	3171	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - image 6 in 8-image relative focus stack
		3478MH0002910021203172C00	3172	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - image 7 in 8-image relative focus stack
		3478MH0002910021203173C00	3173	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - image 8 in 8-image relative focus stack
mhli00190	Las_Claritas after DRT ~24 cm standoff	3478MH0001900001203174C00	3174	autofocus sub-frame for target Las_Claritas - after dust removal tool (DRT) - standoff near 24 cm
		3478MH0001900011203175C00	3175	target Las_Claritas - after dust removal tool (DRT) - standoff near 24 cm

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mhli00182	Las_Claritas after DRT stereo-1 ~45 mm standoff	3478MH0001820001203176C00	3176	autofocus sub-frame for target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm
		3478MH0001820011203177C00	3177	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm
		3478MH0001820021203178C00	3178	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3478MH0001820021203179C00	3179	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3478MH0001820021203180C00	3180	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3478MH0001820021203181C00	3181	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3478MH0001820021203182C00	3182	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3478MH0001820021203183C00	3183	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3478MH0001820021203184C00	3184	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3478MH0001820021203185C00	3185	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00182	Las_Claritas after DRT stereo-2 ~45 mm standoff	3478MH0001820001203186C00	3186	autofocus sub-frame for target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm
		3478MH0001820011203187C00	3187	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm
		3478MH0001820021203188C00	3188	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3478MH0001820021203189C00	3189	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3478MH0001820021203190C00	3190	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3478MH0001820021203191C00	3191	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3478MH0001820021203192C00	3192	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3478MH0001820021203193C00	3193	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3478MH0001820021203194C00	3194	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3478MH0001820021203195C00	3195	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00302	Las_Claritas after DRT ~15 mm standoff	3478MH0003020001203196C00	3196	autofocus sub-frame for target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm
		3478MH0003020011203197C00	3197	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm
		3478MH0003020021203198C00	3198	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - image 1 in 8-image relative focus stack
		3478MH0003020021203199C00	3199	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - image 2 in 8-image relative focus stack
		3478MH0003020021203200C00	3200	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - image 3 in 8-image relative focus stack
		3478MH0003020021203201C00	3201	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - image 4 in 8-image relative focus stack
		3478MH0003020021203202C00	3202	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - image 5 in 8-image relative focus stack
		3478MH0003020021203203C00	3203	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - image 6 in 8-image relative focus stack
		3478MH0003020021203204C00	3204	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - image 7 in 8-image relative focus stack
		3478MH0003020021203205C00	3205	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - image 8 in 8-image relative focus stack
mhli00536	Focus Merges	3478MH0005360001203206R00	3206	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3198-3205 - best focus image product
		3478MH0005360001203207S00	3207	target Las_Claritas - after dust removal tool (DRT) - standoff near 15 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3198-3205 - range map product
		3478MH0005360001203208R00	3208	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3188-3195 - best focus image product
		3478MH0005360001203209S00	3209	target Las_Claritas - after dust removal tool (DRT) - stereo-2 - standoff near 45 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3188-3195 - range map product
		3478MH0005360001203210R00	3210	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3178-3185 - best focus image product
		3478MH0005360001203211S00	3211	target Las_Claritas - after dust removal tool (DRT) - stereo-1 - standoff near 45 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3178-3185 - range map product
		3478MH0005360001203212R00	3212	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3166-3173 - best focus image product
		3478MH0005360001203213S00	3213	target Las_Claritas - mosaic position 6 of 6 - standoff near 85 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3166-3173 - range map product
		3478MH0005360001203214R00	3214	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3156-3163 - best focus image product
		3478MH0005360001203215S00	3215	target Las_Claritas - mosaic position 5 of 6 - standoff near 95 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3156-3163 - range map product
		3478MH0005360001203216R00	3216	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3146-3153 - best focus image product
		3478MH0005360001203217S00	3217	target Las_Claritas - mosaic position 4 of 6 - standoff near 95 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3146-3153 - range map product
		3478MH0005360001203218R00	3218	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3136-3143 - best focus image product
		3478MH0005360001203219S00	3219	target Las_Claritas - mosaic position 3 of 6 - standoff near 85 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3136-3143 - range map product
		3478MH0005360001203220R00	3220	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3126-3133 - best focus image product
		3478MH0005360001203221S00	3221	target Las_Claritas - mosaic position 2 of 6 - standoff near 85 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3126-3133 - range map product
		3478MH0005360001203222R00	3222	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3116-3123 - best focus image product
		3478MH0005360001203223S00	3223	target Las_Claritas - mosaic position 1 of 6 - standoff near 95 mm - focus stack acquired sol 3478 with MSL CAMERA_PRODUCT_IDs 3116-3123 - range map product

updated: 23_June_2022

Sol 3480 - MAHLI Images

acquired/performed date(s):	21-May-22
camera positions:	10
total parent images:	76
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	76

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Maple_Creek and Apoteri as well as the DRT-brushed target Bamboo_Creek.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Maple_Creek ~25 cm standoff	3480MH0001900001203224C00	3224	autofocus sub-frame for target Maple_Creek - standoff near 25 cm
		3480MH0001900011203225C00	3225	target Maple_Creek - standoff near 25 cm
mhli00173	Maple_Creek stereo-1 ~5 cm standoff	3480MH0001730001203226C00	3226	autofocus sub-frame for target Maple_Creek - stereo-1 - standoff near 5 cm
		3480MH0001730011203227C00	3227	target Maple_Creek - stereo-1 - standoff near 5 cm
		3480MH0001730021203228C00	3228	target Maple_Creek - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3480MH0001730021203229C00	3229	target Maple_Creek - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3480MH0001730021203230C00	3230	target Maple_Creek - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3480MH0001730021203231C00	3231	target Maple_Creek - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3480MH0001730021203232C00	3232	target Maple_Creek - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3480MH0001730021203233C00	3233	target Maple_Creek - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3480MH0001730021203234C00	3234	target Maple_Creek - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3480MH0001730021203235C00	3235	target Maple_Creek - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00173	Maple_Creek stereo-2 ~5 cm standoff	3480MH0001730001203236C00	3236	autofocus sub-frame for target Maple_Creek - stereo-2 - standoff near 5 cm
		3480MH0001730011203237C00	3237	target Maple_Creek - stereo-2 - standoff near 5 cm
		3480MH0001730021203238C00	3238	target Maple_Creek - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3480MH0001730021203239C00	3239	target Maple_Creek - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3480MH0001730021203240C00	3240	target Maple_Creek - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3480MH0001730021203241C00	3241	target Maple_Creek - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3480MH0001730021203242C00	3242	target Maple_Creek - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3480MH0001730021203243C00	3243	target Maple_Creek - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3480MH0001730021203244C00	3244	target Maple_Creek - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3480MH0001730021203245C00	3245	target Maple_Creek - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00190	Apoteri ~24 cm standoff	3480MH0001900001203246C00	3246	autofocus sub-frame for target Apoteri - standoff near 24 cm
		3480MH0001900011203247C00	3247	target Apoteri - standoff near 24 cm
mhli00152	Apoteri stereo-1 ~4 cm standoff	3480MH0001520001203248C00	3248	autofocus sub-frame for target Apoteri - stereo-1 - standoff near 4 cm
		3480MH0001520011203249C00	3249	target Apoteri - stereo-1 - standoff near 4 cm
		3480MH0001520021203250C00	3250	target Apoteri - stereo-1 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3480MH0001520021203251C00	3251	target Apoteri - stereo-1 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3480MH0001520021203252C00	3252	target Apoteri - stereo-1 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3480MH0001520021203253C00	3253	target Apoteri - stereo-1 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3480MH0001520021203254C00	3254	target Apoteri - stereo-1 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3480MH0001520021203255C00	3255	target Apoteri - stereo-1 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3480MH0001520021203256C00	3256	target Apoteri - stereo-1 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3480MH0001520021203257C00	3257	target Apoteri - stereo-1 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00152	Apoteri stereo-2 ~4 cm standoff	3480MH0001520001203258C00	3258	autofocus sub-frame for target Apoteri - stereo-2 - standoff near 4 cm
		3480MH0001520011203259C00	3259	target Apoteri - stereo-2 - standoff near 4 cm
		3480MH0001520021203260C00	3260	target Apoteri - stereo-2 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3480MH0001520021203261C00	3261	target Apoteri - stereo-2 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3480MH0001520021203262C00	3262	target Apoteri - stereo-2 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3480MH0001520021203263C00	3263	target Apoteri - stereo-2 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3480MH0001520021203264C00	3264	target Apoteri - stereo-2 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3480MH0001520021203265C00	3265	target Apoteri - stereo-2 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3480MH0001520021203266C00	3266	target Apoteri - stereo-2 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3480MH0001520021203267C00	3267	target Apoteri - stereo-2 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00190	Bamboo_Creek after DRT ~25 cm standoff	3480MH0001900001203268C00	3268	autofocus sub-frame for target Bamboo_Creek - after dust removal tool (DRT) - standoff near 25 cm
		3480MH0001900011203269C00	3269	target Bamboo_Creek - after dust removal tool (DRT) - standoff near 25 cm
mhli00182	Bamboo_Creek after DRT stereo-1 ~5 cm standoff	3480MH0001820001203270C00	3270	autofocus sub-frame for target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3480MH0001820011203271C00	3271	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3480MH0001820021203272C00	3272	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3480MH0001820021203273C00	3273	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3480MH0001820021203274C00	3274	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3480MH0001820021203275C00	3275	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3480MH0001820021203276C00	3276	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3480MH0001820021203277C00	3277	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3480MH0001820021203278C00	3278	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3480MH0001820021203279C00	3279	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00182	Bamboo_Creek after DRT stereo-2 ~5 cm standoff	3480MH0001820001203280C00	3280	autofocus sub-frame for target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3480MH0001820011203281C00	3281	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3480MH0001820021203282C00	3282	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3480MH0001820021203283C00	3283	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3480MH0001820021203284C00	3284	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3480MH0001820021203285C00	3285	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3480MH0001820021203286C00	3286	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3480MH0001820021203287C00	3287	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3480MH0001820021203288C00	3288	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3480MH0001820021203289C00	3289	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack

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mhli00743	Bamboo_Creek after DRT ~1 cm standoff	3480MH0007430001203290C00	3290	autofocus sub-frame for target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm
		3480MH0007430011203291C00	3291	target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm
		3480MH0007430021203292C00	3292	target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm – image 1 in 8-image relative focus stack
		3480MH0007430021203293C00	3293	target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm – image 2 in 8-image relative focus stack
		3480MH0007430021203294C00	3294	target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm – image 3 in 8-image relative focus stack
		3480MH0007430021203295C00	3295	target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm – image 4 in 8-image relative focus stack
		3480MH0007430021203296C00	3296	target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm – image 5 in 8-image relative focus stack
		3480MH0007430021203297C00	3297	target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm – image 6 in 8-image relative focus stack
		3480MH0007430021203298C00	3298	target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm – image 7 in 8-image relative focus stack
		3480MH0007430021203299C00	3299	target Bamboo_Creek – after dust removal tool (DRT) – standoff near 1 cm – image 8 in 8-image relative focus stack

updated: 24_May_2022

Sol 3481 - MAHLI Images

acquired/performed date(s):	22-May-22
camera positions:	0
total parent images:	0
focus merges performed:	7
total focus merge products:	14
total parent images + focus merge products:	14

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3480 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00171	Focus Merges	3481MH0001710001203300R00	3300	target Bamboo_Creek - after dust removal tool (DRT) - standoff near 1 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3292-3299 - best focus image product
		3481MH0001710001203301S00	3301	target Bamboo_Creek - after dust removal tool (DRT) - standoff near 1 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3292-3299 - range map product
		3481MH0001710001203302R00	3302	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3282-3289 - best focus image product
		3481MH0001710001203303S00	3303	target Bamboo_Creek - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3282-3289 - range map product
		3481MH0001710001203304R00	3304	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3272-3279 - best focus image product
		3481MH0001710001203305S00	3305	target Bamboo_Creek - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3272-3279 - range map product
		3481MH0001710001203306R00	3306	target Apoteri - stereo-2 - standoff near 4 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3260-3267 - best focus image product
		3481MH0001710001203307S00	3307	target Apoteri - stereo-2 - standoff near 4 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3260-3267 - range map product
		3481MH0001710001203308R00	3308	target Apoteri - stereo-1 - standoff near 4 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3250-3257 - best focus image product
		3481MH0001710001203309S00	3309	target Apoteri - stereo-1 - standoff near 4 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3250-3257 - range map product
		3481MH0001710001203310R00	3310	target Maple_Creek - stereo-2 - standoff near 5 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3238-3245 - best focus image product
		3481MH0001710001203311S00	3311	target Maple_Creek - stereo-2 - standoff near 5 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3238-3245 - range map product
		3481MH0001710001203312R00	3312	target Maple_Creek - stereo-1 - standoff near 5 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3228-3235 - best focus image product
		3481MH0001710001203313S00	3313	target Maple_Creek - stereo-1 - standoff near 5 cm - focus stack acquired sol 3480 with MSL CAMERA_PRODUCT_IDs 3228-3235 - range map product

updated: 24_June_2022

Sol 3483 - MAHLI Images

acquired/performed date(s):	24-May-22
camera positions:	4
total parent images:	32
focus merges performed:	3
total focus merge products:	6
total parent images + focus merge products:	38

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the DRT-brushed target Imataca and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Imataca after DRT ~25 cm standoff	3483MH0001900001203314C00	3314	autofocus sub-frame for target Imataca - after dust removal tool (DRT) - standoff near 25 cm
		3483MH0001900011203315C00	3315	target Imataca - after dust removal tool (DRT) - standoff near 25 cm
mhli00173	Imataca after DRT stereo-1 ~5 cm standoff	3483MH0001730001203316C00	3316	autofocus sub-frame for target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3483MH0001730011203317C00	3317	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3483MH0001730021203318C00	3318	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3483MH0001730021203319C00	3319	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3483MH0001730021203320C00	3320	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3483MH0001730021203321C00	3321	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3483MH0001730021203322C00	3322	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3483MH0001730021203323C00	3323	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3483MH0001730021203324C00	3324	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3483MH0001730021203325C00	3325	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00173	Imataca after DRT stereo-2 ~5 cm standoff	3483MH0001730001203326C00	3326	autofocus sub-frame for target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3483MH0001730011203327C00	3327	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3483MH0001730021203328C00	3328	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3483MH0001730021203329C00	3329	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3483MH0001730021203330C00	3330	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3483MH0001730021203331C00	3331	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3483MH0001730021203332C00	3332	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3483MH0001730021203333C00	3333	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3483MH0001730021203334C00	3334	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3483MH0001730021203335C00	3335	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00337	Imataca after DRT ~2 cm standoff	3483MH0003370001203336C00	3336	autofocus sub-frame for target Imataca - after dust removal tool (DRT) - standoff near 2 cm
		3483MH0003370011203337C00	3337	target Imataca - after dust removal tool (DRT) - standoff near 2 cm
		3483MH0003370021203338C00	3338	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - image 1 in 8-image relative focus stack
		3483MH0003370021203339C00	3339	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - image 2 in 8-image relative focus stack
		3483MH0003370021203340C00	3340	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - image 3 in 8-image relative focus stack
		3483MH0003370021203341C00	3341	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - image 4 in 8-image relative focus stack
		3483MH0003370021203342C00	3342	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - image 5 in 8-image relative focus stack
		3483MH0003370021203343C00	3343	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - image 6 in 8-image relative focus stack
		3483MH0003370021203344C00	3344	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - image 7 in 8-image relative focus stack
		3483MH0003370021203345C00	3345	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00193	Focus Merges	3483MH0001930001203346R00	3346	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3483 with MSL CAMERA_PRODUCT_IDs 3338-3345 - best focus image product
		3483MH0001930001203347S00	3347	target Imataca - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3483 with MSL CAMERA_PRODUCT_IDs 3338-3345 - range map product
		3483MH0001930001203348R00	3348	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3483 with MSL CAMERA_PRODUCT_IDs 3328-3335 - best focus image product
		3483MH0001930001203349S00	3349	target Imataca - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3483 with MSL CAMERA_PRODUCT_IDs 3328-3335 - range map product
		3483MH0001930001203350R00	3350	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3483 with MSL CAMERA_PRODUCT_IDs 3318-3325 - best focus image product
		3483MH0001930001203351S00	3351	target Imataca - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3483 with MSL CAMERA_PRODUCT_IDs 3318-3325 - range map product

updated: 17_August_2022

Sol 3485 - MAHLI Images

acquired/performed date(s):	26-May-22
camera positions:	5
total parent images:	50
focus merges performed:	5
total focus merge products:	10
total parent images + focus merge products:	60

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Cabo_Sobral, which included a 3x1 mosaic, and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00359	Cabo_Sobral mosaic position 1 of 3 ~24 cm standoff	3485MH0003590001203352C00	3352	autofocus sub-frame for target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm
		3485MH0003590011203353C00	3353	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm
		3485MH0003590021203354C00	3354	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – image 1 in 8-image relative focus stack
		3485MH0003590021203355C00	3355	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – image 2 in 8-image relative focus stack
		3485MH0003590021203356C00	3356	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – image 3 in 8-image relative focus stack
		3485MH0003590021203357C00	3357	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – image 4 in 8-image relative focus stack
		3485MH0003590021203358C00	3358	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – image 5 in 8-image relative focus stack
		3485MH0003590021203359C00	3359	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – image 6 in 8-image relative focus stack
		3485MH0003590021203360C00	3360	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – image 7 in 8-image relative focus stack
		3485MH0003590021203361C00	3361	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – image 8 in 8-image relative focus stack
mhli00359	Cabo_Sobral mosaic position 2 of 3 ~23 cm standoff	3485MH0003590001203362C00	3362	autofocus sub-frame for target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm
		3485MH0003590011203363C00	3363	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm
		3485MH0003590021203364C00	3364	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – image 1 in 8-image relative focus stack
		3485MH0003590021203365C00	3365	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – image 2 in 8-image relative focus stack
		3485MH0003590021203366C00	3366	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – image 3 in 8-image relative focus stack
		3485MH0003590021203367C00	3367	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – image 4 in 8-image relative focus stack
		3485MH0003590021203368C00	3368	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – image 5 in 8-image relative focus stack
		3485MH0003590021203369C00	3369	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – image 6 in 8-image relative focus stack
		3485MH0003590021203370C00	3370	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – image 7 in 8-image relative focus stack
		3485MH0003590021203371C00	3371	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – image 8 in 8-image relative focus stack
mhli00359	Cabo_Sobral mosaic position 3 of 3 ~22 cm standoff	3485MH0003590001203372C00	3372	autofocus sub-frame for target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm
		3485MH0003590011203373C00	3373	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm
		3485MH0003590021203374C00	3374	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – image 1 in 8-image relative focus stack
		3485MH0003590021203375C00	3375	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – image 2 in 8-image relative focus stack
		3485MH0003590021203376C00	3376	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – image 3 in 8-image relative focus stack
		3485MH0003590021203377C00	3377	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – image 4 in 8-image relative focus stack
		3485MH0003590021203378C00	3378	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – image 5 in 8-image relative focus stack
		3485MH0003590021203379C00	3379	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – image 6 in 8-image relative focus stack
		3485MH0003590021203380C00	3380	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – image 7 in 8-image relative focus stack
		3485MH0003590021203381C00	3381	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – image 8 in 8-image relative focus stack
mhli00847	Cabo_Sobral stereo-1 ~7 cm standoff	3485MH0008470001203382C00	3382	autofocus sub-frame for target Cabo_Sobral – stereo-1 – standoff near 7 cm
		3485MH0008470011203383C00	3383	target Cabo_Sobral – stereo-1 – standoff near 7 cm
		3485MH0008470021203384C00	3384	target Cabo_Sobral – stereo-1 – standoff near 7 cm – image 1 in 8-image relative focus stack
		3485MH0008470021203385C00	3385	target Cabo_Sobral – stereo-1 – standoff near 7 cm – image 2 in 8-image relative focus stack
		3485MH0008470021203386C00	3386	target Cabo_Sobral – stereo-1 – standoff near 7 cm – image 3 in 8-image relative focus stack
		3485MH0008470021203387C00	3387	target Cabo_Sobral – stereo-1 – standoff near 7 cm – image 4 in 8-image relative focus stack
		3485MH0008470021203388C00	3388	target Cabo_Sobral – stereo-1 – standoff near 7 cm – image 5 in 8-image relative focus stack
		3485MH0008470021203389C00	3389	target Cabo_Sobral – stereo-1 – standoff near 7 cm – image 6 in 8-image relative focus stack
		3485MH0008470021203390C00	3390	target Cabo_Sobral – stereo-1 – standoff near 7 cm – image 7 in 8-image relative focus stack
		3485MH0008470021203391C00	3391	target Cabo_Sobral – stereo-1 – standoff near 7 cm – image 8 in 8-image relative focus stack
mhli00847	Cabo_Sobral stereo-2 ~7 cm standoff	3485MH0008470001203392C00	3392	autofocus sub-frame for target Cabo_Sobral – stereo-2 – standoff near 7 cm
		3485MH0008470011203393C00	3393	target Cabo_Sobral – stereo-2 – standoff near 7 cm
		3485MH0008470021203394C00	3394	target Cabo_Sobral – stereo-2 – standoff near 7 cm – image 1 in 8-image relative focus stack
		3485MH0008470021203395C00	3395	target Cabo_Sobral – stereo-2 – standoff near 7 cm – image 2 in 8-image relative focus stack
		3485MH0008470021203396C00	3396	target Cabo_Sobral – stereo-2 – standoff near 7 cm – image 3 in 8-image relative focus stack
		3485MH0008470021203397C00	3397	target Cabo_Sobral – stereo-2 – standoff near 7 cm – image 4 in 8-image relative focus stack
		3485MH0008470021203398C00	3398	target Cabo_Sobral – stereo-2 – standoff near 7 cm – image 5 in 8-image relative focus stack
		3485MH0008470021203399C00	3399	target Cabo_Sobral – stereo-2 – standoff near 7 cm – image 6 in 8-image relative focus stack
		3485MH0008470021203400C00	3400	target Cabo_Sobral – stereo-2 – standoff near 7 cm – image 7 in 8-image relative focus stack
		3485MH0008470021203401C00	3401	target Cabo_Sobral – stereo-2 – standoff near 7 cm – image 8 in 8-image relative focus stack
mhli00227	Focus Merges	3485MH0002270001203402R00	3402	target Cabo_Sobral – stereo-2 – standoff near 7 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3394-3401 – best focus image product
		3485MH0002270001203403S00	3403	target Cabo_Sobral – stereo-2 – standoff near 7 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3394-3401 – range map product
		3485MH0002270001203404R00	3404	target Cabo_Sobral – stereo-1 – standoff near 7 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3384-3391 – best focus image product
		3485MH0002270001203405S00	3405	target Cabo_Sobral – stereo-1 – standoff near 7 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3384-3391 – range map product
		3485MH0002270001203406R00	3406	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3374-3381 – best focus image product
		3485MH0002270001203407S00	3407	target Cabo_Sobral – mosaic position 3 of 3 – standoff near 22 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3374-3381 – range map product
		3485MH0002270001203408R00	3408	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3364-3371 – best focus image product
		3485MH0002270001203409S00	3409	target Cabo_Sobral – mosaic position 2 of 3 – standoff near 23 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3364-3371 – range map product
		3485MH0002270001203410R00	3410	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3354-3361 – best focus image product
		3485MH0002270001203411S00	3411	target Cabo_Sobral – mosaic position 1 of 3 – standoff near 24 cm – focus stack acquired sol 3485 with MSL CAMERA_PRODUCT_IDs 3354-3361 – range map product

updated: 27_June_2022

Sol 3488 - MAHLI Images

acquired/performed date(s):	30-May-22
camera positions:	9
total parent images:	50
focus merges performed:	4
total focus merge products:	8
total parent images + focus merge products:	58

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the non-brushed region of the target Pitinga as well as the DRT-brushed region of the target Pitinga. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Pitinga no DRT APXS spot 1 ~25 cm standoff	3488MH0001900001203412C00	3412	autofocus sub-frame for target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 25 cm
		3488MH0001900011203413C00	3413	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 25 cm
mhli00168	Pitinga no DRT APXS spot 1 ~5 cm standoff	3488MH0001680001203414C00	3414	autofocus sub-frame for target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm
		3488MH0001680011203415C00	3415	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm
		3488MH0001680021203416C00	3416	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3488MH0001680021203417C00	3417	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3488MH0001680021203418C00	3418	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3488MH0001680021203419C00	3419	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3488MH0001680021203420C00	3420	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3488MH0001680021203421C00	3421	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3488MH0001680021203422C00	3422	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3488MH0001680021203423C00	3423	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00190	Pitinga after DRT APXS spot 2 ~25 cm standoff	3488MH0001900001203424C00	3424	autofocus sub-frame for target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 25 cm
		3488MH0001900011203425C00	3425	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 25 cm
mhli00168	Pitinga after DRT APXS spot 2 stereo-1 relief model position 1 ~5 cm standoff	3488MH0001680001203426C00	3426	autofocus sub-frame for target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm
		3488MH0001680011203427C00	3427	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm
		3488MH0001680021203428C00	3428	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3488MH0001680021203429C00	3429	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3488MH0001680021203430C00	3430	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3488MH0001680021203431C00	3431	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3488MH0001680021203432C00	3432	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3488MH0001680021203433C00	3433	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3488MH0001680021203434C00	3434	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3488MH0001680021203435C00	3435	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00168	Pitinga after DRT APXS spot 2 stereo-2 relief model position 2 ~5 cm standoff	3488MH0001680001203436C00	3436	autofocus sub-frame for target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm
		3488MH0001680011203437C00	3437	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm
		3488MH0001680021203438C00	3438	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3488MH0001680021203439C00	3439	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3488MH0001680021203440C00	3440	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3488MH0001680021203441C00	3441	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3488MH0001680021203442C00	3442	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3488MH0001680021203443C00	3443	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3488MH0001680021203444C00	3444	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3488MH0001680021203445C00	3445	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00705	Pitinga after DRT - APXS spot 2 relief model position 3 ~5 cm standoff	3488MH0000705000120346C00	3446	autofocus sub-frame for target Pitinga – after dust removal tool (DRT) – APXS spot 2 – relief model position 3 – standoff near 5 cm
		3488MH0000705001120347C00	3447	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – relief model position 3 – standoff near 5 cm
mhli00705	Pitinga after DRT - APXS spot 2 relief model position 4 ~5 cm standoff	3488MH0000705000120348C00	3448	autofocus sub-frame for target Pitinga – after dust removal tool (DRT) – APXS spot 2 – relief model position 4 – standoff near 5 cm
		3488MH0000705001120349C00	3449	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – relief model position 4 – standoff near 5 cm
mhli00705	Pitinga after DRT - APXS spot 2 relief model position 5 ~5 cm standoff	3488MH0000705000120345OC00	3450	autofocus sub-frame for target Pitinga – after dust removal tool (DRT) – APXS spot 2 – relief model position 5 – standoff near 5 cm
		3488MH0000705001120345IC00	3451	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – relief model position 5 – standoff near 5 cm
mhli00848	Pitinga after DRT APXS spot 2 ~1 cm standoff	3488MH0000848000120345 2C00	3452	autofocus sub-frame for target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm
		3488MH0000848001120345 3C00	3453	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm
		3488MH0000848002120345 4C00	3454	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 1 in 8-image relative focus stack
		3488MH0000848002120345 5C00	3455	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 2 in 8-image relative focus stack
		3488MH0000848002120345 6C00	3456	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 3 in 8-image relative focus stack
		3488MH0000848002120345 7C00	3457	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 4 in 8-image relative focus stack
		3488MH0000848002120345 8C00	3458	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 5 in 8-image relative focus stack
		3488MH0000848002120345 9C00	3459	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 6 in 8-image relative focus stack
		3488MH0000848002120346 0C00	3460	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 7 in 8-image relative focus stack
		3488MH0000848002120346 1C00	3461	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 8 in 8-image relative focus stack
mhli00153	Focus Merges	3488MH0001530001203462R00	3462	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – focus stack acquired sol 3488 with MSL CAMERA_PRODUCT_IDs 3454-3461 – best focus image product
		3488MH0001530001203463S00	3463	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – focus stack acquired sol 3488 with MSL CAMERA_PRODUCT_IDs 3454-3461 – range map product
		3488MH0001530001203464R00	3464	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – focus stack acquired sol 3488 with MSL CAMERA_PRODUCT_IDs 3438-3445 – best focus image product
		3488MH0001530001203465S00	3465	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – relief model position 2 – standoff near 5 cm – focus stack acquired sol 3488 with MSL CAMERA_PRODUCT_IDs 3438-3445 – range map product
		3488MH0001530001203466R00	3466	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – focus stack acquired sol 3488 with MSL CAMERA_PRODUCT_IDs 3428-3435 – best focus image product
		3488MH0001530001203467S00	3467	target Pitinga – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – relief model position 1 – standoff near 5 cm – focus stack acquired sol 3488 with MSL CAMERA_PRODUCT_IDs 3428-3435 – range map product
		3488MH0001530001203468R00	3468	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – focus stack acquired sol 3488 with MSL CAMERA_PRODUCT_IDs 3416-3423 – best focus image product
		3488MH0001530001203469S00	3469	target Pitinga – no dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – focus stack acquired sol 3488 with MSL CAMERA_PRODUCT_IDs 3416-3423 – range map product

updated: 27_June_2022

Sol 3491 - MAHLI Images

acquired/performed date(s):	2-Jun-22
camera positions:	8
total parent images:	64
focus merges performed:	6
total focus merge products:	12
total parent images + focus merge products:	76

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the DRT-brushed target Parepona and the target Cabadiscana. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Parepona after DRT ~25 cm standoff	3491MH0001900001203470C00	3470	autofocus sub-frame for target Parepona – after dust removal tool (DRT) – standoff near 25 cm
		3491MH0001900011203471C00	3471	target Parepona – after dust removal tool (DRT) – standoff near 25 cm
mhli00182	Parepona after DRT stereo-1 ~5 cm standoff	3491MH0001820001203472C00	3472	autofocus sub-frame for target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm
		3491MH0001820011203473C00	3473	target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm
		3491MH0001820021203474C00	3474	target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3491MH0001820021203475C00	3475	target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3491MH0001820021203476C00	3476	target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3491MH0001820021203477C00	3477	target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3491MH0001820021203478C00	3478	target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3491MH0001820021203479C00	3479	target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3491MH0001820021203480C00	3480	target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3491MH0001820021203481C00	3481	target Parepona – after dust removal tool (DRT) – stereo-1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00182	Parepona after DRT stereo-2 ~5 cm standoff	3491MH0001820001203482C00	3482	autofocus sub-frame for target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm
		3491MH0001820011203483C00	3483	target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm
		3491MH0001820021203484C00	3484	target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3491MH0001820021203485C00	3485	target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3491MH0001820021203486C00	3486	target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3491MH0001820021203487C00	3487	target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3491MH0001820021203488C00	3488	target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3491MH0001820021203489C00	3489	target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3491MH0001820021203490C00	3490	target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3491MH0001820021203491C00	3491	target Parepona – after dust removal tool (DRT) – stereo-2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00302	Parepona after DRT ~2 cm standoff	3491MH0003020001203492C00	3492	autofocus sub-frame for target Parepona – after dust removal tool (DRT) – standoff near 2 cm
		3491MH0003020011203493C00	3493	target Parepona – after dust removal tool (DRT) – standoff near 2 cm
		3491MH0003020021203494C00	3494	target Parepona – after dust removal tool (DRT) – standoff near 2 cm – image 1 in 8-image relative focus stack
		3491MH0003020021203495C00	3495	target Parepona – after dust removal tool (DRT) – standoff near 2 cm – image 2 in 8-image relative focus stack
		3491MH0003020021203496C00	3496	target Parepona – after dust removal tool (DRT) – standoff near 2 cm – image 3 in 8-image relative focus stack
		3491MH0003020021203497C00	3497	target Parepona – after dust removal tool (DRT) – standoff near 2 cm – image 4 in 8-image relative focus stack
		3491MH0003020021203498C00	3498	target Parepona – after dust removal tool (DRT) – standoff near 2 cm – image 5 in 8-image relative focus stack
		3491MH0003020021203499C00	3499	target Parepona – after dust removal tool (DRT) – standoff near 2 cm – image 6 in 8-image relative focus stack
		3491MH0003020021203500C00	3500	target Parepona – after dust removal tool (DRT) – standoff near 2 cm – image 7 in 8-image relative focus stack
		3491MH0003020021203501C00	3501	target Parepona – after dust removal tool (DRT) – standoff near 2 cm – image 8 in 8-image relative focus stack
mhli00190	Cabadiscana ~25 cm standoff	3491MH0001900001203502C00	3502	autofocus sub-frame for target Cabadiscana – standoff near 25 cm
		3491MH0001900011203503C00	3503	target Cabadiscana – standoff near 25 cm
mhli00299	Cabadiscana stereo-1 ~5 cm standoff	3491MH0002990001203504C00	3504	autofocus sub-frame for target Cabadiscana – stereo-1 – standoff near 5 cm
		3491MH0002990011203505C00	3505	target Cabadiscana – stereo-1 – standoff near 5 cm
		3491MH0002990021203506C00	3506	target Cabadiscana – stereo-1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3491MH0002990021203507C00	3507	target Cabadiscana – stereo-1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3491MH0002990021203508C00	3508	target Cabadiscana – stereo-1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3491MH0002990021203509C00	3509	target Cabadiscana – stereo-1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3491MH0002990021203510C00	3510	target Cabadiscana – stereo-1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3491MH0002990021203511C00	3511	target Cabadiscana – stereo-1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3491MH0002990021203512C00	3512	target Cabadiscana – stereo-1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3491MH0002990021203513C00	3513	target Cabadiscana – stereo-1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00299	Cabadiscana stereo-2 ~5 cm standoff	3491MH0002990001203514C00	3514	autofocus sub-frame for target Cabadiscana – stereo-2 – standoff near 5 cm
		3491MH0002990011203515C00	3515	target Cabadiscana – stereo-2 – standoff near 5 cm
		3491MH0002990021203516C00	3516	target Cabadiscana – stereo-2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3491MH0002990021203517C00	3517	target Cabadiscana – stereo-2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3491MH0002990021203518C00	3518	target Cabadiscana – stereo-2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3491MH0002990021203519C00	3519	target Cabadiscana – stereo-2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3491MH0002990021203520C00	3520	target Cabadiscana – stereo-2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3491MH0002990021203521C00	3521	target Cabadiscana – stereo-2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3491MH0002990021203522C00	3522	target Cabadiscana – stereo-2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3491MH0002990021203523C00	3523	target Cabadiscana – stereo-2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00311	Cabadiscana ~2 cm standoff	3491MH0003110001203524C00	3524	autofocus sub-frame for target Cabadiscana – standoff near 2 cm
		3491MH0003110011203525C00	3525	target Cabadiscana – standoff near 2 cm
		3491MH0003110021203526C00	3526	target Cabadiscana – standoff near 2 cm – image 1 in 8-image relative focus stack
		3491MH0003110021203527C00	3527	target Cabadiscana – standoff near 2 cm – image 2 in 8-image relative focus stack
		3491MH0003110021203528C00	3528	target Cabadiscana – standoff near 2 cm – image 3 in 8-image relative focus stack
		3491MH0003110021203529C00	3529	target Cabadiscana – standoff near 2 cm – image 4 in 8-image relative focus stack
		3491MH0003110021203530C00	3530	target Cabadiscana – standoff near 2 cm – image 5 in 8-image relative focus stack
		3491MH0003110021203531C00	3531	target Cabadiscana – standoff near 2 cm – image 6 in 8-image relative focus stack
		3491MH0003110021203532C00	3532	target Cabadiscana – standoff near 2 cm – image 7 in 8-image relative focus stack
		3491MH0003110021203533C00	3533	target Cabadiscana – standoff near 2 cm – image 8 in 8-image relative focus stack

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mhli00163	Focus Merges	3491MH0001630001203534R00	3534	target Cabadiscana - standoff near 2 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3526-3533 - best focus image product
		3491MH0001630001203535S00	3535	target Cabadiscana - standoff near 2 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3526-3533 - range map product
		3491MH0001630001203536R00	3536	target Cabadiscana - stereo-2 - standoff near 5 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3516-3523 - best focus image product
		3491MH0001630001203537S00	3537	target Cabadiscana - stereo-2 - standoff near 5 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3516-3523 - range map product
		3491MH0001630001203538R00	3538	target Cabadiscana - stereo-1 - standoff near 5 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3506-3513 - best focus image product
		3491MH0001630001203539S00	3539	target Cabadiscana - stereo-1 - standoff near 5 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3506-3513 - range map product
		3491MH0001630001203540R00	3540	target Parepona - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3494-3501 - best focus image product
		3491MH0001630001203541S00	3541	target Parepona - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3494-3501 - range map product
		3491MH0001630001203542R00	3542	target Parepona - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3484-3491 - best focus image product
		3491MH0001630001203543S00	3543	target Parepona - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3484-3491 - range map product
		3491MH0001630001203544R00	3544	target Parepona - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3474-3481 - best focus image product
		3491MH0001630001203545S00	3545	target Parepona - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3491 with MSL CAMERA_PRODUCT_IDs 3474-3481 - range map product

updated: 03_June_2022

Sol 3492 - MAHLI Images

acquired/performed date(s):	3-Jun-22
camera positions:	20
total parent images:	20
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	20

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged ≥ 360° of the 3 left wheels and right front wheel.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00769	Left Rear Wheel - top view Wheel Inspection Position 1 of 5	3492MH0007690011203546E01	3546	rover left rear wheel inspection - top view looking downward on wheel - position 1 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 170 cm
mhli00770	Left Middle Wheel - top view Wheel Inspection Position 1 of 5	3492MH0007700011203547E01	3547	rover left middle wheel inspection - top view looking downward on wheel - position 1 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 112 cm
mhli00771	Left Front Wheel - top view Wheel Inspection Position 1 of 5	3492MH0007710011203548E01	3548	rover left front wheel inspection - top view looking downward on wheel - position 1 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 135 cm
mhli00772	Right Front Wheel - top view Wheel Inspection Position 1 of 5	3492MH0007720011203549E01	3549	rover right front wheel inspection - top view looking downward on wheel - position 1 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 124 cm
mhli00769	Left Rear Wheel - top view Wheel Inspection Position 2 of 5	3492MH0007690011203550E01	3550	rover left rear wheel inspection - top view looking downward on wheel - position 2 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 170 cm
mhli00770	Left Middle Wheel - top view Wheel Inspection Position 2 of 5	3492MH0007700011203551E01	3551	rover left middle wheel inspection - top view looking downward on wheel - position 2 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 112 cm
mhli00771	Left Front Wheel - top view Wheel Inspection Position 2 of 5	3492MH0007710011203552E01	3552	rover left front wheel inspection - top view looking downward on wheel - position 2 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 135 cm
mhli00772	Right Front Wheel - top view Wheel Inspection Position 2 of 5	3492MH0007720011203553E01	3553	rover right front wheel inspection - top view looking downward on wheel - position 2 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 124 cm
mhli00769	Left Rear Wheel - top view Wheel Inspection Position 3 of 5	3492MH0007690011203554E01	3554	rover left rear wheel inspection - top view looking downward on wheel - position 3 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 170 cm
mhli00770	Left Middle Wheel - top view Wheel Inspection Position 3 of 5	3492MH0007700011203555E01	3555	rover left middle wheel inspection - top view looking downward on wheel - position 3 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 112 cm
mhli00771	Left Front Wheel - top view Wheel Inspection Position 3 of 5	3492MH0007710011203556E01	3556	rover left front wheel inspection - top view looking downward on wheel - position 3 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 135 cm
mhli00772	Right Front Wheel - top view Wheel Inspection Position 3 of 5	3492MH0007720011203557E01	3557	rover right front wheel inspection - top view looking downward on wheel - position 3 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 124 cm
mhli00769	Left Rear Wheel - top view Wheel Inspection Position 4 of 5	3492MH0007690011203558E01	3558	rover left rear wheel inspection - top view looking downward on wheel - position 4 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 170 cm
mhli00770	Left Middle Wheel - top view Wheel Inspection Position 4 of 5	3492MH0007700011203559E01	3559	rover left middle wheel inspection - top view looking downward on wheel - position 4 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 112 cm
mhli00771	Left Front Wheel - top view Wheel Inspection Position 4 of 5	3492MH0007710011203560E01	3560	rover left front wheel inspection - top view looking downward on wheel - position 4 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 135 cm
mhli00772	Right Front Wheel - top view Wheel Inspection Position 4 of 5	3492MH0007720011203561E01	3561	rover right front wheel inspection - top view looking downward on wheel - position 4 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 124 cm
mhli00769	Left Rear Wheel - top view Wheel Inspection Position 5 of 5	3492MH0007690011203562E01	3562	rover left rear wheel inspection - top view looking downward on wheel - position 5 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 170 cm
mhli00770	Left Middle Wheel - top view Wheel Inspection Position 5 of 5	3492MH0007700011203563E01	3563	rover left middle wheel inspection - top view looking downward on wheel - position 5 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 112 cm
mhli00771	Left Front Wheel - top view Wheel Inspection Position 5 of 5	3492MH0007710011203564E01	3564	rover left front wheel inspection - top view looking downward on wheel - position 5 of 5 of campaign performed on sol 3492 - manual focus assumes standoff of about 135 cm
mhli00772	Right Front Wheel - top view Wheel Inspection Position 5 of 5	3492MH0007720011203565E01	3565	rover right front wheel inspection - top view looking downward on wheel - position 5 of 5 of campaign performed on sol 3492 - manual focus assumes standoff about 124 cm

updated: 29_June_2022

Sol 3493 - MAHLI Images

acquired/performed date(s):	4-Jun-22
camera positions:	11
total parent images:	78
focus merges performed:	7
total focus merge products:	14
total parent images + focus merge products:	92

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI acquired a 4x1 mosaic on the target Tabaco and imaged the DRT-brushed target Issano. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00849	Tabaco mosaic position 1 of 4 ~16 cm standoff	3493MH0008490001203566C00	3566	autofocus sub-frame for target Tabaco - mosaic position 1 of 4 - standoff near 16 cm
		3493MH0008490011203567C00	3567	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm
		3493MH0008490021203568C00	3568	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - image 1 in 8-image relative focus stack
		3493MH0008490021203569C00	3569	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - image 2 in 8-image relative focus stack
		3493MH0008490021203570C00	3570	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - image 3 in 8-image relative focus stack
		3493MH0008490021203571C00	3571	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - image 4 in 8-image relative focus stack
		3493MH0008490021203572C00	3572	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - image 5 in 8-image relative focus stack
		3493MH0008490021203573C00	3573	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - image 6 in 8-image relative focus stack
		3493MH0008490021203574C00	3574	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - image 7 in 8-image relative focus stack
		3493MH0008490021203575C00	3575	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - image 8 in 8-image relative focus stack
mhli00849	Tabaco mosaic position 2 of 4 ~16 cm standoff	3493MH0008490001203576C00	3576	autofocus sub-frame for target Tabaco - mosaic position 2 of 4 - standoff near 16 cm
		3493MH0008490011203577C00	3577	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm
		3493MH0008490021203578C00	3578	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - image 1 in 8-image relative focus stack
		3493MH0008490021203579C00	3579	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - image 2 in 8-image relative focus stack
		3493MH0008490021203580C00	3580	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - image 3 in 8-image relative focus stack
		3493MH0008490021203581C00	3581	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - image 4 in 8-image relative focus stack
		3493MH0008490021203582C00	3582	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - image 5 in 8-image relative focus stack
		3493MH0008490021203583C00	3583	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - image 6 in 8-image relative focus stack
		3493MH0008490021203584C00	3584	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - image 7 in 8-image relative focus stack
		3493MH0008490021203585C00	3585	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - image 8 in 8-image relative focus stack
mhli00849	Tabaco mosaic position 3 of 4 ~16 cm standoff	3493MH0008490001203586C00	3586	autofocus sub-frame for target Tabaco - mosaic position 3 of 4 - standoff near 16 cm
		3493MH0008490011203587C00	3587	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm
		3493MH0008490021203588C00	3588	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - image 1 in 8-image relative focus stack
		3493MH0008490021203589C00	3589	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - image 2 in 8-image relative focus stack
		3493MH0008490021203590C00	3590	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - image 3 in 8-image relative focus stack
		3493MH0008490021203591C00	3591	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - image 4 in 8-image relative focus stack
		3493MH0008490021203592C00	3592	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - image 5 in 8-image relative focus stack
		3493MH0008490021203593C00	3593	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - image 6 in 8-image relative focus stack
		3493MH0008490021203594C00	3594	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - image 7 in 8-image relative focus stack
		3493MH0008490021203595C00	3595	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - image 8 in 8-image relative focus stack
mhli00849	Tabaco mosaic position 4 of 4 ~16 cm standoff	3493MH0008490001203596C00	3596	autofocus sub-frame for target Tabaco - mosaic position 4 of 4 - standoff near 16 cm
		3493MH0008490011203597C00	3597	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm
		3493MH0008490021203598C00	3598	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - image 1 in 8-image relative focus stack
		3493MH0008490021203599C00	3599	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - image 2 in 8-image relative focus stack
		3493MH0008490021203600C00	3600	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - image 3 in 8-image relative focus stack
		3493MH0008490021203601C00	3601	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - image 4 in 8-image relative focus stack
		3493MH0008490021203602C00	3602	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - image 5 in 8-image relative focus stack
		3493MH0008490021203603C00	3603	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - image 6 in 8-image relative focus stack
		3493MH0008490021203604C00	3604	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - image 7 in 8-image relative focus stack
		3493MH0008490021203605C00	3605	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - image 8 in 8-image relative focus stack
mhli00190	Issano after DRT ~25 cm standoff	3493MH0001900001203606C00	3606	autofocus sub-frame for target Issano - after dust removal tool (DRT) - standoff near 25 cm
		3493MH0001900011203607C00	3607	target Issano - after dust removal tool (DRT) - standoff near 25 cm
mhli00168	Issano after DRT stereo-1 relief model position 1 ~5 cm standoff	3493MH0001680001203608C00	3608	autofocus sub-frame for target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm
		3493MH0001680011203609C00	3609	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm
		3493MH0001680021203610C00	3610	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3493MH0001680021203611C00	3611	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3493MH0001680021203612C00	3612	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3493MH0001680021203613C00	3613	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3493MH0001680021203614C00	3614	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3493MH0001680021203615C00	3615	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3493MH0001680021203616C00	3616	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3493MH0001680021203617C00	3617	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00168	Issano after DRT stereo-2 relief model position 2 ~5 cm standoff	3493MH0001680001203618C00	3618	autofocus sub-frame for target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm
		3493MH0001680011203619C00	3619	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm
		3493MH0001680021203620C00	3620	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3493MH0001680021203621C00	3621	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3493MH0001680021203622C00	3622	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3493MH0001680021203623C00	3623	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3493MH0001680021203624C00	3624	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3493MH0001680021203625C00	3625	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3493MH0001680021203626C00	3626	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3493MH0001680021203627C00	3627	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00705	Issano after DRT relief model position 3 ~5 cm standoff	3493MH0007050001203628C00	3628	autofocus sub-frame for target Issano - after dust removal tool (DRT) - relief model position 3 - standoff near 5 cm
		3493MH0007050011203629C00	3629	target Issano - after dust removal tool (DRT) - relief model position 3 - standoff near 5 cm
mhli00705	Issano after DRT relief model position 4 ~5 cm standoff	3493MH0007050001203630C00	3630	autofocus sub-frame for target Issano - after dust removal tool (DRT) - relief model position 4 - standoff near 5 cm
		3493MH0007050011203631C00	3631	target Issano - after dust removal tool (DRT) - relief model position 4 - standoff near 5 cm
mhli00705	Issano after DRT relief model position 5 ~5 cm standoff	3493MH0007050001203632C00	3632	autofocus sub-frame for target Issano - after dust removal tool (DRT) - relief model position 5 - standoff near 5 cm
		3493MH0007050011203633C00	3633	target Issano - after dust removal tool (DRT) - relief model position 5 - standoff near 5 cm

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mhli00743	Issano after DRT ~1 cm standoff	3493MH0007430001203634C00	3634	autofocus sub-frame for target Issano - after dust removal tool (DRT) - standoff near 1 cm
		3493MH0007430011203635C00	3635	target Issano - after dust removal tool (DRT) - standoff near 1 cm
		3493MH0007430021203636C00	3636	target Issano - after dust removal tool (DRT) - standoff near 1 cm - image 1 in 8-image relative focus stack
		3493MH0007430021203637C00	3637	target Issano - after dust removal tool (DRT) - standoff near 1 cm - image 2 in 8-image relative focus stack
		3493MH0007430021203638C00	3638	target Issano - after dust removal tool (DRT) - standoff near 1 cm - image 3 in 8-image relative focus stack
		3493MH0007430021203639C00	3639	target Issano - after dust removal tool (DRT) - standoff near 1 cm - image 4 in 8-image relative focus stack
		3493MH0007430021203640C00	3640	target Issano - after dust removal tool (DRT) - standoff near 1 cm - image 5 in 8-image relative focus stack
		3493MH0007430021203641C00	3641	target Issano - after dust removal tool (DRT) - standoff near 1 cm - image 6 in 8-image relative focus stack
		3493MH0007430021203642C00	3642	target Issano - after dust removal tool (DRT) - standoff near 1 cm - image 7 in 8-image relative focus stack
		3493MH0007430021203643C00	3643	target Issano - after dust removal tool (DRT) - standoff near 1 cm - image 8 in 8-image relative focus stack
mhli00171	Focus Merges	3493MH0001710001203644R00	3644	target Issano - after dust removal tool (DRT) - standoff near 1 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3636-3643 - best focus image product
		3493MH0001710001203645S00	3645	target Issano - after dust removal tool (DRT) - standoff near 1 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3636-3643 - range map product
		3493MH0001710001203646R00	3646	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3620-3627 - best focus image product
		3493MH0001710001203647S00	3647	target Issano - after dust removal tool (DRT) - stereo-2 - relief model position 2 - standoff near 5 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3620-3627 - range map product
		3493MH0001710001203648R00	3648	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3610-3617 - best focus image product
		3493MH0001710001203649S00	3649	target Issano - after dust removal tool (DRT) - stereo-1 - relief model position 1 - standoff near 5 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3610-3617 - range map product
		3493MH0001710001203650R00	3650	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3598-3605 - best focus image product
		3493MH0001710001203651S00	3651	target Tabaco - mosaic position 4 of 4 - standoff near 16 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3598-3605 - range map product
		3493MH0001710001203652R00	3652	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3588-3595 - best focus image product
		3493MH0001710001203653S00	3653	target Tabaco - mosaic position 3 of 4 - standoff near 16 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3588-3595 - range map product
		3493MH0001710001203654R00	3654	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3578-3585 - best focus image product
		3493MH0001710001203655S00	3655	target Tabaco - mosaic position 2 of 4 - standoff near 16 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3578-3585 - range map product
		3493MH0001710001203656R00	3656	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3568-3575 - best focus image product
		3493MH0001710001203657S00	3657	target Tabaco - mosaic position 1 of 4 - standoff near 16 cm - focus stack acquired sol 3493 with MSL CAMERA_PRODUCT_IDs 3568-3575 - range map product

updated: 14_October_2022

Sol 3503 - MAHLI Images

acquired/performed date(s):	14-Jun-22
camera positions:	9
total parent images:	100
focus merges performed:	8
total focus merge products:	16
total parent images + focus merge products:	116

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the ChemCam RWEB window and internal hardware, the target Wandapa, on which a 3x1 mosaic was acquired, and the DRT-brushed target Omai. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00520	ChemCam RWEB diagnostic imaging MAHLI at 45° angle to ChemCam ~25 cm standoff	3503MH0005200001203658C00	3658	autofocus sub-frame for ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm
		3503MH0005200011203659C00	3659	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm
		3503MH0005200021203660C00	3660	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 1 in 16-image relative focus stack
		3503MH0005200021203661C00	3661	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 2 in 16-image relative focus stack
		3503MH0005200021203662C00	3662	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 3 in 16-image relative focus stack
		3503MH0005200021203663C00	3663	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 4 in 16-image relative focus stack
		3503MH0005200021203664C00	3664	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 5 in 16-image relative focus stack
		3503MH0005200021203665C00	3665	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 6 in 16-image relative focus stack
		3503MH0005200021203666C00	3666	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 7 in 16-image relative focus stack
		3503MH0005200021203667C00	3667	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 8 in 16-image relative focus stack
		3503MH0005200021203668C00	3668	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 9 in 16-image relative focus stack
		3503MH0005200021203669C00	3669	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 10 in 16-image relative focus stack
		3503MH0005200021203670C00	3670	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 11 in 16-image relative focus stack
		3503MH0005200021203671C00	3671	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 12 in 16-image relative focus stack
		3503MH0005200021203672C00	3672	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 13 in 16-image relative focus stack
		3503MH0005200021203673C00	3673	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 14 in 16-image relative focus stack
		3503MH0005200021203674C00	3674	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 15 in 16-image relative focus stack
		3503MH0005200021203675C00	3675	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - image 16 in 16-image relative focus stack
		3503MH0005200031203676C00	3676	auto-exposure sub-frame for ChemCam remote warm electronics box (RWEB) window and mirror - focused manually on interior hardware for diagnostic inspection - standoff near 25 cm
		3503MH0005200041203677C00	3677	ChemCam remote warm electronics box (RWEB) window and mirror - using exposure determined by preceding sub-frame - focused manually on interior hardware for diagnostic inspection - standoff near 25 cm
		3503MH0005200051203678C00	3678	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - image 1 in 8-image relative focus stack
		3503MH0005200051203679C00	3679	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - image 2 in 8-image relative focus stack
		3503MH0005200051203680C00	3680	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - image 3 in 8-image relative focus stack
		3503MH0005200051203681C00	3681	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - image 4 in 8-image relative focus stack
		3503MH0005200051203682C00	3682	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - image 5 in 8-image relative focus stack
		3503MH0005200051203683C00	3683	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - image 6 in 8-image relative focus stack
		3503MH0005200051203684C00	3684	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - image 7 in 8-image relative focus stack
		3503MH0005200051203685C00	3685	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - image 8 in 8-image relative focus stack
mhli00706	Wandapa ~24 cm standoff	3503MH0007060001203686C00	3686	autofocus sub-frame for target Wandapa - standoff near 24 cm
		3503MH0007060011203687C00	3687	target Wandapa - standoff near 24 cm
		3503MH0007060021203688C00	3688	target Wandapa - standoff near 24 cm - alternative auto-exposure
mhli00740	Wandapa mosaic position 1 of 3 ~45 mm standoff	3503MH0007400001203689C00	3689	autofocus sub-frame for target Wandapa - mosaic position 1 of 3 - standoff near 45 mm
		3503MH0007400011203690C00	3690	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm
		3503MH0007400021203691C00	3691	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - alternative auto-exposure
		3503MH0007400031203692C00	3692	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3503MH0007400031203693C00	3693	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3503MH0007400031203694C00	3694	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3503MH0007400031203695C00	3695	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3503MH0007400031203696C00	3696	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3503MH0007400031203697C00	3697	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3503MH0007400031203698C00	3698	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3503MH0007400031203699C00	3699	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00740	Wandapa mosaic position 2 of 3 ~4 cm standoff	3503MH0007400001203700C00	3700	autofocus sub-frame for target Wandapa - mosaic position 2 of 3 - standoff near 4 cm
		3503MH0007400011203701C00	3701	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm
		3503MH0007400021203702C00	3702	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - alternative auto-exposure
		3503MH0007400031203703C00	3703	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3503MH0007400031203704C00	3704	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3503MH0007400031203705C00	3705	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3503MH0007400031203706C00	3706	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3503MH0007400031203707C00	3707	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3503MH0007400031203708C00	3708	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3503MH0007400031203709C00	3709	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3503MH0007400031203710C00	3710	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00740	Wandapa mosaic position 3 of 3 ~45 mm standoff	3503MH0007400001203711C00	3711	autofocus sub-frame for target Wandapa - mosaic position 3 of 3 - standoff near 45 mm
		3503MH0007400011203712C00	3712	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm
		3503MH0007400021203713C00	3713	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - alternative auto-exposure
		3503MH0007400031203714C00	3714	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3503MH0007400031203715C00	3715	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3503MH0007400031203716C00	3716	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3503MH0007400031203717C00	3717	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3503MH0007400031203718C00	3718	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3503MH0007400031203719C00	3719	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3503MH0007400031203720C00	3720	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3503MH0007400031203721C00	3721	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00706	Omai after DRT ~25 cm standoff	3503MH0007060001203722C00	3722	autofocus sub-frame for target Omai - after dust removal tool (DRT) - standoff near 25 cm
		3503MH0007060011203723C00	3723	target Omai - after dust removal tool (DRT) - standoff near 25 cm
		3503MH0007060021203724C00	3724	target Omai - after dust removal tool (DRT) - standoff near 25 cm - alternative auto-exposure

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mhli00723	Omai after DRT stereo-1 ~5 cm standoff	3503MH0007230001203725C00	3725	autofocus sub-frame for target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3503MH0007230011203726C00	3726	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3503MH0007230021203727C00	3727	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - alternative auto-exposure
		3503MH0007230031203728C00	3728	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3503MH0007230031203729C00	3729	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3503MH0007230031203730C00	3730	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3503MH0007230031203731C00	3731	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3503MH0007230031203732C00	3732	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3503MH0007230031203733C00	3733	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3503MH0007230031203734C00	3734	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3503MH0007230031203735C00	3735	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00723	Omai after DRT stereo-2 ~5 cm standoff	3503MH0007230001203736C00	3736	autofocus sub-frame for target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3503MH0007230011203737C00	3737	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3503MH0007230021203738C00	3738	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - alternative auto-exposure
		3503MH0007230031203739C00	3739	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3503MH0007230031203740C00	3740	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3503MH0007230031203741C00	3741	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3503MH0007230031203742C00	3742	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3503MH0007230031203743C00	3743	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3503MH0007230031203744C00	3744	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3503MH0007230031203745C00	3745	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3503MH0007230031203746C00	3746	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00656	Omai after DRT ~2 cm standoff	3503MH0006560001203747C00	3747	autofocus sub-frame for target Omai - after dust removal tool (DRT) - standoff near 2 cm
		3503MH0006560011203748C00	3748	target Omai - after dust removal tool (DRT) - standoff near 2 cm
		3503MH0006560021203749C00	3749	target Omai - after dust removal tool (DRT) - standoff near 2 cm - alternative auto-exposure
		3503MH0006560031203750C00	3750	target Omai - after dust removal tool (DRT) - standoff near 2 cm - image 1 in 8-image relative focus stack
		3503MH0006560031203751C00	3751	target Omai - after dust removal tool (DRT) - standoff near 2 cm - image 2 in 8-image relative focus stack
		3503MH0006560031203752C00	3752	target Omai - after dust removal tool (DRT) - standoff near 2 cm - image 3 in 8-image relative focus stack
		3503MH0006560031203753C00	3753	target Omai - after dust removal tool (DRT) - standoff near 2 cm - image 4 in 8-image relative focus stack
		3503MH0006560031203754C00	3754	target Omai - after dust removal tool (DRT) - standoff near 2 cm - image 5 in 8-image relative focus stack
		3503MH0006560031203755C00	3755	target Omai - after dust removal tool (DRT) - standoff near 2 cm - image 6 in 8-image relative focus stack
		3503MH0006560031203756C00	3756	target Omai - after dust removal tool (DRT) - standoff near 2 cm - image 7 in 8-image relative focus stack
		3503MH0006560031203757C00	3757	target Omai - after dust removal tool (DRT) - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00850	Focus Merges	3503MH0008500001203758R00	3758	target Omai - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3750-3757 - best focus image product
		3503MH0008500001203759S00	3759	target Omai - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3750-3757 - range map product
		3503MH0008500001203760R00	3760	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3739-3746 - best focus image product
		3503MH0008500001203761S00	3761	target Omai - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3739-3746 - range map product
		3503MH0008500001203762R00	3762	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3728-3735 - best focus image product
		3503MH0008500001203763S00	3763	target Omai - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3728-3735 - range map product
		3503MH0008500001203764R00	3764	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3714-3721 - best focus image product
		3503MH0008500001203765S00	3765	target Wandapa - mosaic position 3 of 3 - standoff near 45 mm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3714-3721 - range map product
		3503MH0008500001203766R00	3766	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3703-3710 - best focus image product
		3503MH0008500001203767S00	3767	target Wandapa - mosaic position 2 of 3 - standoff near 4 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3703-3710 - range map product
		3503MH0008500001203768R00	3768	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3692-3699 - best focus image product
		3503MH0008500001203769S00	3769	target Wandapa - mosaic position 1 of 3 - standoff near 45 mm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3692-3699 - range map product
		3503MH0008500001203770R00	3770	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3678-3685 - best focus image product
		3503MH0008500001203771S00	3771	ChemCam remote warm electronics box (RWEB) window and mirror - for diagnostic inspection - standoff near 25 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3678-3685 - range map product
		3503MH0008500001203772R00	3772	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3662-3669 - best focus image product
		3503MH0008500001203773S00	3773	ChemCam remote warm electronics box (RWEB) window and mirror - monitor dust accumulation - standoff near 25 cm - focus stack acquired sol 3503 with MSL CAMERA_PRODUCT_IDs 3662-3669 - range map product

updated: 28_June_2022

Sol 3505 - MAHLI Images

acquired/performed date(s):	16-Jun-22
camera positions:	6
total parent images:	34
focus merges performed:	1
total focus merge products:	2
total parent images + focus merge products:	36

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Tipuru, the sky, with the dust cover open and closed for flat fielding, and the REMS UV Sensor. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00359	Tipuru ~23 cm standoff	3505MH0003590001203774C00	3774	autofocus sub-frame for target Tipuru - standoff near 23 cm
		3505MH0003590011203775C00	3775	target Tipuru - standoff near 23 cm
		3505MH0003590021203776C00	3776	target Tipuru - standoff near 23 cm - image 1 in 8-image relative focus stack
		3505MH0003590021203777C00	3777	target Tipuru - standoff near 23 cm - image 2 in 8-image relative focus stack
		3505MH0003590021203778C00	3778	target Tipuru - standoff near 23 cm - image 3 in 8-image relative focus stack
		3505MH0003590021203779C00	3779	target Tipuru - standoff near 23 cm - image 4 in 8-image relative focus stack
		3505MH0003590021203780C00	3780	target Tipuru - standoff near 23 cm - image 5 in 8-image relative focus stack
		3505MH0003590021203781C00	3781	target Tipuru - standoff near 23 cm - image 6 in 8-image relative focus stack
		3505MH0003590021203782C00	3782	target Tipuru - standoff near 23 cm - image 7 in 8-image relative focus stack
		3505MH0003590021203783C00	3783	target Tipuru - standoff near 23 cm - image 8 in 8-image relative focus stack
mhli00712	sky flats - dust cover closed - MAHLI looking at the sky opposite the sun at +64.4° azimuth, +31° elevation, away from the rover deck	3505MH0007120001203784C00	3784	MAHLI sky flat field image - dust cover closed - manual focus at motor count 0 - close focus position - focus as if for working distance 21 mm
		3505MH0007120011203785C00	3785	MAHLI sky flat field image - dust cover closed - manual focus at motor count 2412 - focus as if for working distance of 39 mm
		3505MH0007120021203786C00	3786	MAHLI sky flat field image - dust cover closed - manual focus at motor count 3078 - focus as if for working distance of 69 mm
		3505MH0007120031203787C00	3787	MAHLI sky flat field image - dust cover closed - manual focus at motor count 4062 - focus as if for working distance of 268 mm
		3505MH0007120041203788C00	3788	MAHLI sky flat field image - dust cover closed - manual focus at motor count 4488 - near infinity focus
mhli00453	sky flats - MAHLI looking at the sky opposite the sun at +64.4° azimuth, +31° elevation, away from the rover deck	3505MH0004530001203789C00	3789	MAHLI sky flat field image - dust cover open - manual focus at motor count 15996 - close focus position - focus as if for working distance 21 mm
		3505MH0004530011203790C00	3790	MAHLI sky flat field image - dust cover open - manual focus at motor count 14664 - focus as if for working distance of 39 mm
		3505MH0004530021203791C00	3791	MAHLI sky flat field image - dust cover open - manual focus at motor count 13998 - focus as if for working distance of 69 mm
		3505MH0004530031203792C00	3792	MAHLI sky flat field image - dust cover open - manual focus at motor count 13014 - focus as if for working distance of 267 mm
		3505MH0004530041203793C00	3793	MAHLI sky flat field image - dust cover open - manual focus at motor count 12750 - focus as if for working distance of 633 mm
		3505MH0004530051203794C00	3794	MAHLI sky flat field image - dust cover open - manual focus at motor count 12552 - near infinity focus
mhli00453	sky flats - MAHLI looking at the sky opposite the sun at +64.4° azimuth, +31° elevation, away from the rover deck camera rotated 180° relative to the preceding set of sky flats	3505MH0004530001203795C00	3795	MAHLI sky flat field image - dust cover open - manual focus at motor count 15996 - close focus position - focus as if for working distance 21 mm - camera head rotated 180-degrees relative to previous acquired this same sol
		3505MH0004530011203796C00	3796	MAHLI sky flat field image - dust cover open - manual focus at motor count 14664 - focus as if for working distance of 39 mm - camera head rotated 180-degrees relative to previous acquired this same sol
		3505MH0004530021203797C00	3797	MAHLI sky flat field image - dust cover open - manual focus at motor count 13998 - focus as if for working distance of 69 mm - camera head rotated 180-degrees relative to previous acquired this same sol
		3505MH0004530031203798C00	3798	MAHLI sky flat field image - dust cover open - manual focus at motor count 13014 - focus as if for working distance of 267 mm - camera head rotated 180-degrees relative to previous acquired this same sol
		3505MH0004530041203799C00	3799	MAHLI sky flat field image - dust cover open - manual focus at motor count 12750 - focus as if for working distance of 633 mm - camera head rotated 180-degrees relative to previous acquired this same sol
		3505MH0004530051203800C00	3800	MAHLI sky flat field image - dust cover open - manual focus at motor count 12552 - near infinity focus - camera head rotated 180-degrees relative to previous acquired this same sol
mhli00712	sky flats - dust cover closed - MAHLI looking at the sky opposite the sun at +64.4° azimuth, +31° elevation, away from the rover deck camera rotated 180° relative to the preceding set of sky flats	3505MH0007120001203801C00	3801	MAHLI sky flat field image - dust cover closed - manual focus at motor count 0 - close focus position - focus as if for working distance 21 mm - camera head rotated 180-degrees relative to previous acquired this same sol
		3505MH0007120011203802C00	3802	MAHLI sky flat field image - dust cover closed - manual focus at motor count 2412 - focus as if for working distance of 39 mm - camera head rotated 180-degrees relative to previous acquired this same sol
		3505MH0007120021203803C00	3803	MAHLI sky flat field image - dust cover closed - manual focus at motor count 3078 - focus as if for working distance of 69 mm - camera head rotated 180-degrees relative to previous acquired this same sol
		3505MH0007120031203804C00	3804	MAHLI sky flat field image - dust cover closed - manual focus at motor count 4062 - focus as if for working distance of 268 mm - camera head rotated 180-degrees relative to previous acquired this same sol
		3505MH0007120041203805C00	3805	MAHLI sky flat field image - dust cover closed - manual focus at motor count 4488 - near infinity focus - camera head rotated 180-degrees relative to previous acquired this same sol
mhli00095	REMS UV sensor ~15 cm standoff	3505MH0000950001203806C00	3806	autofocus sub-frame for REMS UV sensor - characterize dust accumulation
		3505MH0000950011203807C00	3807	REMS UV sensor - characterize dust accumulation
mhli00258	Focus Merge	3505MH0002580001203808R00	3808	target Tipuru - standoff near 23 cm - focus stack acquired sol 3505 with MSL CAMERA_PRODUCT_IDs 3776-3783 - best focus image product
		3505MH0002580001203809S00	3809	target Tipuru - standoff near 23 cm - focus stack acquired sol 3505 with MSL CAMERA_PRODUCT_IDs 3776-3783 - range map product

updated: 07_July_2022

Sol 3508 - MAHLI Images

acquired/performed date(s):	19-Jun-22
camera positions:	9
total parent images:	83
focus merges performed:	7
total focus merge products:	14
total parent images + focus merge products:	97

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Kukui, Saito_Angel, and Opadai. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00781	Kukui ~25 cm standoff	3508MH0007810001203810C00	3810	autofocus sub-frame for target Kukui - standoff near 25 cm
		3508MH0007810011203811C00	3811	target Kukui - standoff near 25 cm
		3508MH0007810021203812C00	3812	target Kukui - standoff near 25 cm - alternative auto-exposure
		3508MH0007810031203813C00	3813	target Kukui - standoff near 25 cm - image 1 in 8-image relative focus stack
		3508MH0007810031203814C00	3814	target Kukui - standoff near 25 cm - image 2 in 8-image relative focus stack
		3508MH0007810031203815C00	3815	target Kukui - standoff near 25 cm - image 3 in 8-image relative focus stack
		3508MH0007810031203816C00	3816	target Kukui - standoff near 25 cm - image 4 in 8-image relative focus stack
		3508MH0007810031203817C00	3817	target Kukui - standoff near 25 cm - image 5 in 8-image relative focus stack
		3508MH0007810031203818C00	3818	target Kukui - standoff near 25 cm - image 6 in 8-image relative focus stack
		3508MH0007810031203819C00	3819	target Kukui - standoff near 25 cm - image 7 in 8-image relative focus stack
		3508MH0007810031203820C00	3820	target Kukui - standoff near 25 cm - image 8 in 8-image relative focus stack
mhli00798	Kukui stereo-1 ~9 cm standoff	3508MH0007980001203821C00	3821	autofocus sub-frame for target Kukui - stereo-1 - standoff near 9 cm
		3508MH0007980011203822C00	3822	target Kukui - stereo-1 - standoff near 9 cm
		3508MH0007980021203823C00	3823	target Kukui - stereo-1 - standoff near 9 cm - alternative auto-exposure
		3508MH0007980031203824C00	3824	target Kukui - stereo-1 - standoff near 9 cm - image 1 in 8-image relative focus stack
		3508MH0007980031203825C00	3825	target Kukui - stereo-1 - standoff near 9 cm - image 2 in 8-image relative focus stack
		3508MH0007980031203826C00	3826	target Kukui - stereo-1 - standoff near 9 cm - image 3 in 8-image relative focus stack
		3508MH0007980031203827C00	3827	target Kukui - stereo-1 - standoff near 9 cm - image 4 in 8-image relative focus stack
		3508MH0007980031203828C00	3828	target Kukui - stereo-1 - standoff near 9 cm - image 5 in 8-image relative focus stack
		3508MH0007980031203829C00	3829	target Kukui - stereo-1 - standoff near 9 cm - image 6 in 8-image relative focus stack
		3508MH0007980031203830C00	3830	target Kukui - stereo-1 - standoff near 9 cm - image 7 in 8-image relative focus stack
		3508MH0007980031203831C00	3831	target Kukui - stereo-1 - standoff near 9 cm - image 8 in 8-image relative focus stack
mhli00798	Kukui stereo-2 ~9 cm standoff	3508MH0007980001203832C00	3832	autofocus sub-frame for target Kukui - stereo-2 - standoff near 9 cm
		3508MH0007980011203833C00	3833	target Kukui - stereo-2 - standoff near 9 cm
		3508MH0007980021203834C00	3834	target Kukui - stereo-2 - standoff near 9 cm - alternative auto-exposure
		3508MH0007980031203835C00	3835	target Kukui - stereo-2 - standoff near 9 cm - image 1 in 8-image relative focus stack
		3508MH0007980031203836C00	3836	target Kukui - stereo-2 - standoff near 9 cm - image 2 in 8-image relative focus stack
		3508MH0007980031203837C00	3837	target Kukui - stereo-2 - standoff near 9 cm - image 3 in 8-image relative focus stack
		3508MH0007980031203838C00	3838	target Kukui - stereo-2 - standoff near 9 cm - image 4 in 8-image relative focus stack
		3508MH0007980031203839C00	3839	target Kukui - stereo-2 - standoff near 9 cm - image 5 in 8-image relative focus stack
		3508MH0007980031203840C00	3840	target Kukui - stereo-2 - standoff near 9 cm - image 6 in 8-image relative focus stack
		3508MH0007980031203841C00	3841	target Kukui - stereo-2 - standoff near 9 cm - image 7 in 8-image relative focus stack
		3508MH0007980031203842C00	3842	target Kukui - stereo-2 - standoff near 9 cm - image 8 in 8-image relative focus stack
mhli00706	Salto_Angel ~24 cm standoff	3508MH0007060001203843C00	3843	autofocus sub-frame for target Salto_Angel - standoff near 24 cm
		3508MH0007060011203844C00	3844	target Salto_Angel - standoff near 24 cm
		3508MH0007060021203845C00	3845	target Salto_Angel - standoff near 24 cm - alternative auto-exposure
mhli00852	Salto_Angel stereo-1 ~9 cm standoff	3508MH0008520001203846C00	3846	autofocus sub-frame for target Salto_Angel - stereo-1 - standoff near 9 cm
		3508MH0008520011203847C00	3847	target Salto_Angel - stereo-1 - standoff near 9 cm
		3508MH0008520021203848C00	3848	target Salto_Angel - stereo-1 - standoff near 9 cm - alternative auto-exposure
		3508MH0008520031203849C00	3849	target Salto_Angel - stereo-1 - standoff near 9 cm - image 1 in 8-image relative focus stack
		3508MH0008520031203850C00	3850	target Salto_Angel - stereo-1 - standoff near 9 cm - image 2 in 8-image relative focus stack
		3508MH0008520031203851C00	3851	target Salto_Angel - stereo-1 - standoff near 9 cm - image 3 in 8-image relative focus stack
		3508MH0008520031203852C00	3852	target Salto_Angel - stereo-1 - standoff near 9 cm - image 4 in 8-image relative focus stack
		3508MH0008520031203853C00	3853	target Salto_Angel - stereo-1 - standoff near 9 cm - image 5 in 8-image relative focus stack
		3508MH0008520031203854C00	3854	target Salto_Angel - stereo-1 - standoff near 9 cm - image 6 in 8-image relative focus stack
		3508MH0008520031203855C00	3855	target Salto_Angel - stereo-1 - standoff near 9 cm - image 7 in 8-image relative focus stack
		3508MH0008520031203856C00	3856	target Salto_Angel - stereo-1 - standoff near 9 cm - image 8 in 8-image relative focus stack
mhli00852	Salto_Angel stereo-2 ~9 cm standoff	3508MH0008520001203857C00	3857	autofocus sub-frame for target Salto_Angel - stereo-2 - standoff near 9 cm
		3508MH0008520011203858C00	3858	target Salto_Angel - stereo-2 - standoff near 9 cm
		3508MH0008520021203859C00	3859	target Salto_Angel - stereo-2 - standoff near 9 cm - alternative auto-exposure
		3508MH0008520031203860C00	3860	target Salto_Angel - stereo-2 - standoff near 9 cm - image 1 in 8-image relative focus stack
		3508MH0008520031203861C00	3861	target Salto_Angel - stereo-2 - standoff near 9 cm - image 2 in 8-image relative focus stack
		3508MH0008520031203862C00	3862	target Salto_Angel - stereo-2 - standoff near 9 cm - image 3 in 8-image relative focus stack
		3508MH0008520031203863C00	3863	target Salto_Angel - stereo-2 - standoff near 9 cm - image 4 in 8-image relative focus stack
		3508MH0008520031203864C00	3864	target Salto_Angel - stereo-2 - standoff near 9 cm - image 5 in 8-image relative focus stack
		3508MH0008520031203865C00	3865	target Salto_Angel - stereo-2 - standoff near 9 cm - image 6 in 8-image relative focus stack
		3508MH0008520031203866C00	3866	target Salto_Angel - stereo-2 - standoff near 9 cm - image 7 in 8-image relative focus stack
		3508MH0008520031203867C00	3867	target Salto_Angel - stereo-2 - standoff near 9 cm - image 8 in 8-image relative focus stack
mhli00706	Opadai ~24 cm standoff	3508MH0007060001203868C00	3868	autofocus sub-frame for target Opadai - standoff near 24 cm
		3508MH0007060011203869C00	3869	target Opadai - standoff near 24 cm
		3508MH0007060021203870C00	3870	target Opadai - standoff near 24 cm - alternative auto-exposure

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mhli00851	Opadai stereo-1 ~9 cm standoff	3508MH0008510001203871C00	3871	autofocus sub-frame for target Opadai - stereo-1 - standoff near 9 cm
		3508MH0008510011203872C00	3872	target Opadai - stereo-1 - standoff near 9 cm
		3508MH0008510021203873C00	3873	target Opadai - stereo-1 - standoff near 9 cm - alternative auto-exposure
		3508MH0008510031203874C00	3874	target Opadai - stereo-1 - standoff near 9 cm - image 1 in 8-image relative focus stack
		3508MH0008510031203875C00	3875	target Opadai - stereo-1 - standoff near 9 cm - image 2 in 8-image relative focus stack
		3508MH0008510031203876C00	3876	target Opadai - stereo-1 - standoff near 9 cm - image 3 in 8-image relative focus stack
		3508MH0008510031203877C00	3877	target Opadai - stereo-1 - standoff near 9 cm - image 4 in 8-image relative focus stack
		3508MH0008510031203878C00	3878	target Opadai - stereo-1 - standoff near 9 cm - image 5 in 8-image relative focus stack
		3508MH0008510031203879C00	3879	target Opadai - stereo-1 - standoff near 9 cm - image 6 in 8-image relative focus stack
		3508MH0008510031203880C00	3880	target Opadai - stereo-1 - standoff near 9 cm - image 7 in 8-image relative focus stack
		3508MH0008510031203881C00	3881	target Opadai - stereo-1 - standoff near 9 cm - image 8 in 8-image relative focus stack
mhli00851	Opadai stereo-2 ~9 cm standoff	3508MH0008510001203882C00	3882	autofocus sub-frame for target Opadai - stereo-2 - standoff near 9 cm
		3508MH0008510011203883C00	3883	target Opadai - stereo-2 - standoff near 9 cm
		3508MH0008510021203884C00	3884	target Opadai - stereo-2 - standoff near 9 cm - alternative auto-exposure
		3508MH0008510031203885C00	3885	target Opadai - stereo-2 - standoff near 9 cm - image 1 in 8-image relative focus stack
		3508MH0008510031203886C00	3886	target Opadai - stereo-2 - standoff near 9 cm - image 2 in 8-image relative focus stack
		3508MH0008510031203887C00	3887	target Opadai - stereo-2 - standoff near 9 cm - image 3 in 8-image relative focus stack
		3508MH0008510031203888C00	3888	target Opadai - stereo-2 - standoff near 9 cm - image 4 in 8-image relative focus stack
		3508MH0008510031203889C00	3889	target Opadai - stereo-2 - standoff near 9 cm - image 5 in 8-image relative focus stack
		3508MH0008510031203890C00	3890	target Opadai - stereo-2 - standoff near 9 cm - image 6 in 8-image relative focus stack
		3508MH0008510031203891C00	3891	target Opadai - stereo-2 - standoff near 9 cm - image 7 in 8-image relative focus stack
		3508MH0008510031203892C00	3892	target Opadai - stereo-2 - standoff near 9 cm - image 8 in 8-image relative focus stack
mhli00171	Focus Merges	3508MH0001710001203893R00	3893	target Opadai - stereo-2 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3885-3892 - best focus image product
		3508MH0001710001203894S00	3894	target Opadai - stereo-2 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3885-3892 - range map product
		3508MH0001710001203895R00	3895	target Opadai - stereo-1 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3874-3881 - best focus image product
		3508MH0001710001203896S00	3896	target Opadai - stereo-1 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3874-3881 - range map product
		3508MH0001710001203897R00	3897	target Salto_Angel - stereo-2 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3860-3867 - best focus image product
		3508MH0001710001203898S00	3898	target Salto_Angel - stereo-2 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3860-3867 - range map product
		3508MH0001710001203899R00	3899	target Salto_Angel - stereo-1 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3849-3856 - best focus image product
		3508MH0001710001203900S00	3900	target Salto_Angel - stereo-1 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3849-3856 - range map product
		3508MH0001710001203901R00	3901	target Kukui - stereo-2 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3835-3842 - best focus image product
		3508MH0001710001203902S00	3902	target Kukui - stereo-2 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3835-3842 - range map product
		3508MH0001710001203903R00	3903	target Kukui - stereo-1 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3824-3831 - best focus image product
		3508MH0001710001203904S00	3904	target Kukui - stereo-1 - standoff near 9 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3824-3831 - range map product
		3508MH0001710001203905R00	3905	target Kukui - standoff near 25 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3813-3820 - best focus image product
		3508MH0001710001203906S00	3906	target Kukui - standoff near 25 cm - focus stack acquired sol 3508 with MSL CAMERA_PRODUCT_IDs 3813-3820 - range map product

updated: 21_March_2023

Sol 3511 - MAHLI Images

acquired/performed date(s):	22-Jun-22
camera positions:	8
total parent images:	48
focus merges performed:	4
total focus merge products:	8
total parent images + focus merge products:	56

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the intended drill target Avanavero before and after DRT and after a drill bit preload test; then the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Avanavero before DRT ~25 cm standoff	3511MH0001900001203907C00	3907	autofocus sub-frame for intended Avanavero drill site – before dust removal tool (DRT) – APXS spot 2 – standoff near 25 cm
		3511MH0001900011203908C00	3908	intended Avanavero drill site – before dust removal tool (DRT) – APXS spot 2 – standoff near 25 cm
mhli00122	Avanavero before DRT APXS spot 2 ~5 cm standoff	3511MH0001220001203909C00	3909	autofocus sub-frame for intended Avanavero drill site – before dust removal tool (DRT) – APXS spot 2 – standoff near 5 cm
		3511MH0001220011203910C00	3910	intended Avanavero drill site – before dust removal tool (DRT) – APXS spot 2 – standoff near 5 cm
mhli00190	Avanavero after DRT ~25 cm standoff	3511MH0001900001203911C00	3911	autofocus sub-frame for intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 25 cm
		3511MH0001900011203912C00	3912	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 25 cm
mhli00182	Avanavero after DRT APXS spot 2 stereo-1 ~5 cm standoff	3511MH0001820001203913C00	3913	autofocus sub-frame for intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm
		3511MH0001820011203914C00	3914	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm
		3511MH0001820021203915C00	3915	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3511MH0001820021203916C00	3916	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3511MH0001820021203917C00	3917	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3511MH0001820021203918C00	3918	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3511MH0001820021203919C00	3919	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3511MH0001820021203920C00	3920	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3511MH0001820021203921C00	3921	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3511MH0001820021203922C00	3922	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00182	Avanavero after DRT APXS spot 2 stereo-2 ~5 cm standoff	3511MH0001820001203923C00	3923	autofocus sub-frame for intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm
		3511MH0001820011203924C00	3924	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm
		3511MH0001820021203925C00	3925	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3511MH0001820021203926C00	3926	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3511MH0001820021203927C00	3927	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3511MH0001820021203928C00	3928	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3511MH0001820021203929C00	3929	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3511MH0001820021203930C00	3930	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3511MH0001820021203931C00	3931	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3511MH0001820021203932C00	3932	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00796	Avanavero after DRT APXS spot 2 ~1 cm standoff	3511MH0007960001203933C00	3933	autofocus sub-frame for intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm
		3511MH0007960011203934C00	3934	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm
		3511MH0007960021203935C00	3935	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 1 in 8-image relative focus stack
		3511MH0007960021203936C00	3936	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 2 in 8-image relative focus stack
		3511MH0007960021203937C00	3937	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 3 in 8-image relative focus stack
		3511MH0007960021203938C00	3938	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 4 in 8-image relative focus stack
		3511MH0007960021203939C00	3939	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 5 in 8-image relative focus stack
		3511MH0007960021203940C00	3940	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 6 in 8-image relative focus stack
		3511MH0007960021203941C00	3941	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 7 in 8-image relative focus stack
		3511MH0007960021203942C00	3942	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – image 8 in 8-image relative focus stack
mhli00182	Avanavero after DRT APXS spot 1 ~5 cm standoff	3511MH0001820001203943C00	3943	autofocus sub-frame for intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm
		3511MH0001820011203944C00	3944	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm
		3511MH0001820021203945C00	3945	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 1 in 8-image relative focus stack
		3511MH0001820021203946C00	3946	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 2 in 8-image relative focus stack
		3511MH0001820021203947C00	3947	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 3 in 8-image relative focus stack
		3511MH0001820021203948C00	3948	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 4 in 8-image relative focus stack
		3511MH0001820021203949C00	3949	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 5 in 8-image relative focus stack
		3511MH0001820021203950C00	3950	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 6 in 8-image relative focus stack
		3511MH0001820021203951C00	3951	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 7 in 8-image relative focus stack
		3511MH0001820021203952C00	3952	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – image 8 in 8-image relative focus stack
mhli00465	Avanavero after DRT after drill bit preload test ~35 cm standoff	3511MH0004650001203953C00	3953	autofocus sub-frame for intended Avanavero drill site – drill bit preload test – image acquired after preload – after sol 3511 dust removal tool (DRT) – standoff near 35 cm
		3511MH0004650011203954C00	3954	intended Avanavero drill site – drill bit preload test – image acquired after preload – after sol 3511 dust removal tool (DRT) – standoff near 35 cm
mhli00153	Focus Merges	3511MH0001530001203955R00	3955	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – focus stack acquired sol 3511 with MSL CAMERA_PRODUCT_IDs 3945–3952 – best focus image product
		3511MH0001530001203956S00	3956	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 1 – standoff near 5 cm – focus stack acquired sol 3511 with MSL CAMERA_PRODUCT_IDs 3945–3952 – range map product
		3511MH0001530001203957R00	3957	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – focus stack acquired sol 3511 with MSL CAMERA_PRODUCT_IDs 3935–3942 – best focus image product
		3511MH0001530001203958S00	3958	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – standoff near 1 cm – focus stack acquired sol 3511 with MSL CAMERA_PRODUCT_IDs 3935–3942 – range map product
		3511MH0001530001203959R00	3959	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – focus stack acquired sol 3511 with MSL CAMERA_PRODUCT_IDs 3925–3932 – best focus image product
		3511MH0001530001203960S00	3960	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-2 – standoff near 5 cm – focus stack acquired sol 3511 with MSL CAMERA_PRODUCT_IDs 3925–3932 – range map product
		3511MH0001530001203961R00	3961	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – focus stack acquired sol 3511 with MSL CAMERA_PRODUCT_IDs 3915–3922 – best focus image product
		3511MH0001530001203962S00	3962	intended Avanavero drill site – after dust removal tool (DRT) – APXS spot 2 – stereo-1 – standoff near 5 cm – focus stack acquired sol 3511 with MSL CAMERA_PRODUCT_IDs 3915–3922 – range map product

updated: 30_June_2022

Sol 3512 - MAHLI Images

acquired/performed date(s):	23-Jun-22
camera positions:	1
total parent images:	2
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	2

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Drill preparation activities at the planned Avanavero sample extraction site. MAHLI imaged the intended site for the Avanavero sample discard pile.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit) 0123456789 0123456789
mhli00190	Intended Avanavero Drill Sample Discard Site Before Discard ~25 cm standoff	3512MH0001900001203963C00	3963	autofocus sub-frame for intended Avanavero drill sample discard site - before drill attempt and before discard - standoff near 25 cm
		3512MH0001900011203964C00	3964	intended Avanavero drill sample discard site - before drill attempt and before discard - standoff near 25 cm

updated: 11_July_2022

Sol 3528 - MAHLI Images

acquired/performed date(s):	10-Jul-22
camera positions:	3
total parent images:	6
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	6

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the Avanavero drill hole and cuttings.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit) 0123456789 0123456789
mhli00197	Avanavero drill hole drilled on Sol 3512 ~24 cm standoff	3528MH0001970001203965C00	3965	autofocus sub-frame for drill hole in rock named Avanavero - drilled sol 3512 - standoff near 24 cm
		3528MH0001970011203966C00	3966	drill hole in rock named Avanavero - drilled sol 3512 - standoff near 24 cm
mhli00774	Avanavero drill hole drilled on Sol 3512 ~9 cm standoff	3528MH0007740001203967C00	3967	autofocus sub-frame for drill hole in rock named Avanavero - drilled sol 3512 - sub-frame positioned to focus on surface outside hole - standoff near 9 cm
		3528MH0007740011203968C00	3968	drill hole in rock named Avanavero - drilled sol 3512 - focus based on preceding autofocus sub-frame - standoff near 9 cm
mhli00122	Avanavero drill cuttings ~ 4 cm standoff	3528MH0001220001203969C00	3969	autofocus sub-frame for Avanavero drill cuttings - standoff near 4 cm
		3528MH0001220011203970C00	3970	Avanavero drill cuttings - standoff near 4 cm

updated: 18_July_2022

Sol 3530 - MAHLI Images

acquired/performed date(s):	12-Jul-22
camera positions:	4
total parent images:	24
focus merges performed:	2
total focus merge products:	4
total parent images + focus merge products:	28

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities:	MAHLI imaged the Avanavero drill cuttings and the target La_Laja. The focus stack images were also merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00122	Avanavero drill cuttings ~ 55 mm standoff	3530MH0001220001203971C00	3971	autofocus sub-frame for Avanavero drill cuttings - standoff near 55 mm
		3530MH0001220011203972C00	3972	Avanavero drill cuttings - standoff near 55 mm
mhli00190	La_Laja ~24 cm standoff	3530MH0001900001203973C00	3973	autofocus sub-frame for target La_Laja - standoff near 24 cm
		3530MH0001900011203974C00	3974	target La_Laja - standoff near 24 cm
mhli00306	La_Laja stereo-1 ~4 cm standoff	3530MH0003060001203975C00	3975	autofocus sub-frame for target La_Laja - stereo-1 - standoff near 4 cm
		3530MH0003060011203976C00	3976	target La_Laja - stereo-1 - standoff near 4 cm
		3530MH0003060021203977C00	3977	target La_Laja - stereo-1 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3530MH0003060021203978C00	3978	target La_Laja - stereo-1 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3530MH0003060021203979C00	3979	target La_Laja - stereo-1 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3530MH0003060021203980C00	3980	target La_Laja - stereo-1 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3530MH0003060021203981C00	3981	target La_Laja - stereo-1 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3530MH0003060021203982C00	3982	target La_Laja - stereo-1 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3530MH0003060021203983C00	3983	target La_Laja - stereo-1 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3530MH0003060021203984C00	3984	target La_Laja - stereo-1 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00306	La_Laja stereo-2 ~4 cm standoff	3530MH0003060001203985C00	3985	autofocus sub-frame for target La_Laja - stereo-2 - standoff near 4 cm
		3530MH0003060011203986C00	3986	target La_Laja - stereo-2 - standoff near 4 cm
		3530MH0003060021203987C00	3987	target La_Laja - stereo-2 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3530MH0003060021203988C00	3988	target La_Laja - stereo-2 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3530MH0003060021203989C00	3989	target La_Laja - stereo-2 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3530MH0003060021203990C00	3990	target La_Laja - stereo-2 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3530MH0003060021203991C00	3991	target La_Laja - stereo-2 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3530MH0003060021203992C00	3992	target La_Laja - stereo-2 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3530MH0003060021203993C00	3993	target La_Laja - stereo-2 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3530MH0003060021203994C00	3994	target La_Laja - stereo-2 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00265	Focus Merges	3530MH0002650001203995R00	3995	target La_Laja - stereo-2 - standoff near 4 cm - focus stack acquired sol 3530 with MSL CAMERA_PRODUCT_IDs 3987-3994 - best focus image product
		3530MH0002650001203996S00	3996	target La_Laja - stereo-2 - standoff near 4 cm - focus stack acquired sol 3530 with MSL CAMERA_PRODUCT_IDs 3987-3994 - range map product
		3530MH0002650001203997R00	3997	target La_Laja - stereo-1 - standoff near 4 cm - focus stack acquired sol 3530 with MSL CAMERA_PRODUCT_IDs 3977-3984 - best focus image product
		3530MH0002650001203998S00	3998	target La_Laja - stereo-1 - standoff near 4 cm - focus stack acquired sol 3530 with MSL CAMERA_PRODUCT_IDs 3977-3984 - range map product

updated: 18_July_2022

Sol 3531 - MAHLI Images

acquired/performed date(s):	13-Jul-22
camera positions:	4
total parent images:	32
focus merges performed:	3
total focus merge products:	6
total parent images + focus merge products:	38

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Uai_Uai and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Uai_Uai ~25 cm standoff	3531MH0001900001203999C00	3999	autofocus sub-frame for target Uai_Uai - standoff near 25 cm
		3531MH0001900011204000C00	4000	target Uai_Uai - standoff near 25 cm
mhli00168	Uai_Uai stereo-1 ~5 cm standoff	3531MH0001680001204001C00	4001	autofocus sub-frame for target Uai_Uai - stereo-1 - standoff near 5 cm
		3531MH0001680011204002C00	4002	target Uai_Uai - stereo-1 - standoff near 5 cm
		3531MH0001680021204003C00	4003	target Uai_Uai - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3531MH0001680021204004C00	4004	target Uai_Uai - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3531MH0001680021204005C00	4005	target Uai_Uai - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3531MH0001680021204006C00	4006	target Uai_Uai - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3531MH0001680021204007C00	4007	target Uai_Uai - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3531MH0001680021204008C00	4008	target Uai_Uai - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3531MH0001680021204009C00	4009	target Uai_Uai - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3531MH0001680021204010C00	4010	target Uai_Uai - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00168	Uai_Uai stereo-2 ~5 cm standoff	3531MH0001680001204011C00	4011	autofocus sub-frame for target Uai_Uai - stereo-2 - standoff near 5 cm
		3531MH0001680011204012C00	4012	target Uai_Uai - stereo-2 - standoff near 5 cm
		3531MH0001680021204013C00	4013	target Uai_Uai - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3531MH0001680021204014C00	4014	target Uai_Uai - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3531MH0001680021204015C00	4015	target Uai_Uai - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3531MH0001680021204016C00	4016	target Uai_Uai - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3531MH0001680021204017C00	4017	target Uai_Uai - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3531MH0001680021204018C00	4018	target Uai_Uai - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3531MH0001680021204019C00	4019	target Uai_Uai - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3531MH0001680021204020C00	4020	target Uai_Uai - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00743	Uai_Uai ~1 cm standoff	3531MH0007430001204021C00	4021	autofocus sub-frame for target Uai_Uai - standoff near 1 cm
		3531MH0007430011204022C00	4022	target Uai_Uai - standoff near 1 cm
		3531MH0007430021204023C00	4023	target Uai_Uai - standoff near 1 cm - image 1 in 8-image relative focus stack
		3531MH0007430021204024C00	4024	target Uai_Uai - standoff near 1 cm - image 2 in 8-image relative focus stack
		3531MH0007430021204025C00	4025	target Uai_Uai - standoff near 1 cm - image 3 in 8-image relative focus stack
		3531MH0007430021204026C00	4026	target Uai_Uai - standoff near 1 cm - image 4 in 8-image relative focus stack
		3531MH0007430021204027C00	4027	target Uai_Uai - standoff near 1 cm - image 5 in 8-image relative focus stack
		3531MH0007430021204028C00	4028	target Uai_Uai - standoff near 1 cm - image 6 in 8-image relative focus stack
		3531MH0007430021204029C00	4029	target Uai_Uai - standoff near 1 cm - image 7 in 8-image relative focus stack
		3531MH0007430021204030C00	4030	target Uai_Uai - standoff near 1 cm - image 8 in 8-image relative focus stack
mhli00193	Focus Merges	3531MH0001930001204031R00	4031	target Uai_Uai - standoff near 1 cm - focus stack acquired sol 3531 with MSL CAMERA_PRODUCT_IDs 4023-4030 - best focus image product
		3531MH0001930001204032S00	4032	target Uai_Uai - standoff near 1 cm - focus stack acquired sol 3531 with MSL CAMERA_PRODUCT_IDs 4023-4030 - range map product
		3531MH0001930001204033R00	4033	target Uai_Uai - stereo-2 - standoff near 5 cm - focus stack acquired sol 3531 with MSL CAMERA_PRODUCT_IDs 4013-4020 - best focus image product
		3531MH0001930001204034S00	4034	target Uai_Uai - stereo-2 - standoff near 5 cm - focus stack acquired sol 3531 with MSL CAMERA_PRODUCT_IDs 4013-4020 - range map product
		3531MH0001930001204035R00	4035	target Uai_Uai - stereo-1 - standoff near 5 cm - focus stack acquired sol 3531 with MSL CAMERA_PRODUCT_IDs 4003-4010 - best focus image product
		3531MH0001930001204036S00	4036	target Uai_Uai - stereo-1 - standoff near 5 cm - focus stack acquired sol 3531 with MSL CAMERA_PRODUCT_IDs 4003-4010 - range map product

updated: 18_July_2022

Sol 3532 - MAHLI Images

acquired/performed date(s):	14-Jul-22
camera positions:	11
total parent images:	97
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	97

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the DRT-brushed target Seringa, the target La_Manare, and the target Caruai.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00706	Seringa after DRT ~25 cm standoff	3532MH0007060001204037C00	4037	autofocus sub-frame for target Seringa - after dust removal tool (DRT) - standoff near 25 cm
		3532MH0007060011204038C00	4038	target Seringa - after dust removal tool (DRT) - standoff near 25 cm
		3532MH0007060021204039C00	4039	target Seringa - after dust removal tool (DRT) - standoff near 25 cm - alternative auto-exposure
mhli00834	Seringa after DRT stereo-1 ~5 cm standoff	3532MH0008340001204040C00	4040	autofocus sub-frame for target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3532MH0008340011204041C00	4041	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3532MH0008340021204042C00	4042	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - alternative auto-exposure
		3532MH0008340031204043C00	4043	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3532MH0008340031204044C00	4044	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3532MH0008340031204045C00	4045	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3532MH0008340031204046C00	4046	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3532MH0008340031204047C00	4047	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3532MH0008340031204048C00	4048	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3532MH0008340031204049C00	4049	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3532MH0008340031204050C00	4050	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00834	Seringa after DRT stereo-2 ~5 cm standoff	3532MH0008340001204051C00	4051	autofocus sub-frame for target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3532MH0008340011204052C00	4052	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3532MH0008340021204053C00	4053	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - alternative auto-exposure
		3532MH0008340031204054C00	4054	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3532MH0008340031204055C00	4055	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3532MH0008340031204056C00	4056	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3532MH0008340031204057C00	4057	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3532MH0008340031204058C00	4058	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3532MH0008340031204059C00	4059	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3532MH0008340031204060C00	4060	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3532MH0008340031204061C00	4061	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00813	Seringa after DRT ~2 cm standoff	3532MH0008130001204062C00	4062	autofocus sub-frame for target Seringa - after dust removal tool (DRT) - standoff near 2 cm
		3532MH0008130011204063C00	4063	target Seringa - after dust removal tool (DRT) - standoff near 2 cm
		3532MH0008130021204064C00	4064	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - alternative auto-exposure
		3532MH0008130031204065C00	4065	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - image 1 in 8-image relative focus stack
		3532MH0008130031204066C00	4066	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - image 2 in 8-image relative focus stack
		3532MH0008130031204067C00	4067	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - image 3 in 8-image relative focus stack
		3532MH0008130031204068C00	4068	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - image 4 in 8-image relative focus stack
		3532MH0008130031204069C00	4069	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - image 5 in 8-image relative focus stack
		3532MH0008130031204070C00	4070	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - image 6 in 8-image relative focus stack
		3532MH0008130031204071C00	4071	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - image 7 in 8-image relative focus stack
		3532MH0008130031204072C00	4072	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00706	La_Manare ~25 cm standoff	3532MH0007060001204073C00	4073	autofocus sub-frame for target La_Manare - standoff near 25 cm
		3532MH0007060011204074C00	4074	target La_Manare - standoff near 25 cm
		3532MH0007060021204075C00	4075	target La_Manare - standoff near 25 cm - alternative auto-exposure
mhli00723	La_Manare stereo-1 ~55 mm standoff	3532MH0007230001204076C00	4076	autofocus sub-frame for target La_Manare - stereo-1 - standoff near 55 mm
		3532MH0007230011204077C00	4077	target La_Manare - stereo-1 - standoff near 55 mm
		3532MH0007230021204078C00	4078	target La_Manare - stereo-1 - standoff near 55 mm - alternative auto-exposure
		3532MH0007230031204079C00	4079	target La_Manare - stereo-1 - standoff near 55 mm - image 1 in 8-image relative focus stack
		3532MH0007230031204080C00	4080	target La_Manare - stereo-1 - standoff near 55 mm - image 2 in 8-image relative focus stack
		3532MH0007230031204081C00	4081	target La_Manare - stereo-1 - standoff near 55 mm - image 3 in 8-image relative focus stack
		3532MH0007230031204082C00	4082	target La_Manare - stereo-1 - standoff near 55 mm - image 4 in 8-image relative focus stack
		3532MH0007230031204083C00	4083	target La_Manare - stereo-1 - standoff near 55 mm - image 5 in 8-image relative focus stack
		3532MH0007230031204084C00	4084	target La_Manare - stereo-1 - standoff near 55 mm - image 6 in 8-image relative focus stack
		3532MH0007230031204085C00	4085	target La_Manare - stereo-1 - standoff near 55 mm - image 7 in 8-image relative focus stack
		3532MH0007230031204086C00	4086	target La_Manare - stereo-1 - standoff near 55 mm - image 8 in 8-image relative focus stack
mhli00723	La_Manare stereo-2 ~55 mm standoff	3532MH0007230001204087C00	4087	autofocus sub-frame for target La_Manare - stereo-2 - standoff near 55 mm
		3532MH0007230011204088C00	4088	target La_Manare - stereo-2 - standoff near 55 mm
		3532MH0007230021204089C00	4089	target La_Manare - stereo-2 - standoff near 55 mm - alternative auto-exposure
		3532MH0007230031204090C00	4090	target La_Manare - stereo-2 - standoff near 55 mm - image 1 in 8-image relative focus stack
		3532MH0007230031204091C00	4091	target La_Manare - stereo-2 - standoff near 55 mm - image 2 in 8-image relative focus stack
		3532MH0007230031204092C00	4092	target La_Manare - stereo-2 - standoff near 55 mm - image 3 in 8-image relative focus stack
		3532MH0007230031204093C00	4093	target La_Manare - stereo-2 - standoff near 55 mm - image 4 in 8-image relative focus stack
		3532MH0007230031204094C00	4094	target La_Manare - stereo-2 - standoff near 55 mm - image 5 in 8-image relative focus stack
		3532MH0007230031204095C00	4095	target La_Manare - stereo-2 - standoff near 55 mm - image 6 in 8-image relative focus stack
		3532MH0007230031204096C00	4096	target La_Manare - stereo-2 - standoff near 55 mm - image 7 in 8-image relative focus stack
		3532MH0007230031204097C00	4097	target La_Manare - stereo-2 - standoff near 55 mm - image 8 in 8-image relative focus stack

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mhli00800	La_Manare ~25 mm standoff	3532MH0008000001204098C00	4098	autofocus sub-frame for target La_Manare – standoff near 25 mm
		3532MH0008000011204099C00	4099	target La_Manare – standoff near 25 mm
		3532MH0008000021204100C00	4100	target La_Manare – standoff near 25 mm – alternative auto-exposure
		3532MH0008000031204101C00	4101	target La_Manare – standoff near 25 mm – image 1 in 8-image relative focus stack
		3532MH0008000031204102C00	4102	target La_Manare – standoff near 25 mm – image 2 in 8-image relative focus stack
		3532MH0008000031204103C00	4103	target La_Manare – standoff near 25 mm – image 3 in 8-image relative focus stack
		3532MH0008000031204104C00	4104	target La_Manare – standoff near 25 mm – image 4 in 8-image relative focus stack
		3532MH0008000031204105C00	4105	target La_Manare – standoff near 25 mm – image 5 in 8-image relative focus stack
		3532MH0008000031204106C00	4106	target La_Manare – standoff near 25 mm – image 6 in 8-image relative focus stack
		3532MH0008000031204107C00	4107	target La_Manare – standoff near 25 mm – image 7 in 8-image relative focus stack
		3532MH0008000031204108C00	4108	target La_Manare – standoff near 25 mm – image 8 in 8-image relative focus stack
mhli00706	Caruai ~23 cm standoff	3532MH0007060001204109C00	4109	autofocus sub-frame for target Caruai – standoff near 23 cm
		3532MH0007060011204110C00	4110	target Caruai – standoff near 23 cm
		3532MH0007060021204111C00	4111	target Caruai – standoff near 23 cm – alternative auto-exposure
mhli00709	Caruai stereo-1 ~35 mm standoff	3532MH0007090001204112C00	4112	autofocus sub-frame for target Caruai – stereo-1 – standoff near 35 mm
		3532MH0007090011204113C00	4113	target Caruai – stereo-1 – standoff near 35 mm
		3532MH0007090021204114C00	4114	target Caruai – stereo-1 – standoff near 35 mm – alternative auto-exposure
		3532MH0007090031204115C00	4115	target Caruai – stereo-1 – standoff near 35 mm – image 1 in 8-image relative focus stack
		3532MH0007090031204116C00	4116	target Caruai – stereo-1 – standoff near 35 mm – image 2 in 8-image relative focus stack
		3532MH0007090031204117C00	4117	target Caruai – stereo-1 – standoff near 35 mm – image 3 in 8-image relative focus stack
		3532MH0007090031204118C00	4118	target Caruai – stereo-1 – standoff near 35 mm – image 4 in 8-image relative focus stack
		3532MH0007090031204119C00	4119	target Caruai – stereo-1 – standoff near 35 mm – image 5 in 8-image relative focus stack
		3532MH0007090031204120C00	4120	target Caruai – stereo-1 – standoff near 35 mm – image 6 in 8-image relative focus stack
		3532MH0007090031204121C00	4121	target Caruai – stereo-1 – standoff near 35 mm – image 7 in 8-image relative focus stack
		3532MH0007090031204122C00	4122	target Caruai – stereo-1 – standoff near 35 mm – image 8 in 8-image relative focus stack
mhli00709	Caruai stereo-2 ~35 mm standoff	3532MH0007090001204123C00	4123	autofocus sub-frame for target Caruai – stereo-2 – standoff near 35 mm
		3532MH0007090011204124C00	4124	target Caruai – stereo-2 – standoff near 35 mm
		3532MH0007090021204125C00	4125	target Caruai – stereo-2 – standoff near 35 mm – alternative auto-exposure
		3532MH0007090031204126C00	4126	target Caruai – stereo-2 – standoff near 35 mm – image 1 in 8-image relative focus stack
		3532MH0007090031204127C00	4127	target Caruai – stereo-2 – standoff near 35 mm – image 2 in 8-image relative focus stack
		3532MH0007090031204128C00	4128	target Caruai – stereo-2 – standoff near 35 mm – image 3 in 8-image relative focus stack
		3532MH0007090031204129C00	4129	target Caruai – stereo-2 – standoff near 35 mm – image 4 in 8-image relative focus stack
		3532MH0007090031204130C00	4130	target Caruai – stereo-2 – standoff near 35 mm – image 5 in 8-image relative focus stack
		3532MH0007090031204131C00	4131	target Caruai – stereo-2 – standoff near 35 mm – image 6 in 8-image relative focus stack
		3532MH0007090031204132C00	4132	target Caruai – stereo-2 – standoff near 35 mm – image 7 in 8-image relative focus stack
		3532MH0007090031204133C00	4133	target Caruai – stereo-2 – standoff near 35 mm – image 8 in 8-image relative focus stack

updated: 15_July_2022

Sol 3533 - MAHLI Images

acquired/performed date(s):	15-Jul-22
camera positions:	0
total parent images:	0
focus merges performed:	8
total focus merge products:	16
total parent images + focus merge products:	16

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: The focus stack images from Sol 3532 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit) 0123456789 0123456789
mhli00170	Focus Merges	3533MH0001700001204134R00	4134	target Caruai - stereo-2 - standoff near 35 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4126-4133 - best focus image product
		3533MH0001700001204135S00	4135	target Caruai - stereo-2 - standoff near 35 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4126-4133 - range map product
		3533MH0001700001204136R00	4136	target Caruai - stereo-1 - standoff near 35 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4115-4122 - best focus image product
		3533MH0001700001204137S00	4137	target Caruai - stereo-1 - standoff near 35 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4115-4122 - range map product
		3533MH0001700001204138R00	4138	target La_Manare - standoff near 25 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4101-4108 - best focus image product
		3533MH0001700001204139S00	4139	target La_Manare - standoff near 25 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4101-4108 - range map product
		3533MH0001700001204140R00	4140	target La_Manare - stereo-2 - standoff near 55 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4090-4097 - best focus image product
		3533MH0001700001204141S00	4141	target La_Manare - stereo-2 - standoff near 55 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4090-4097 - range map product
		3533MH0001700001204142R00	4142	target La_Manare - stereo-1 - standoff near 55 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4079-4086 - best focus image product
		3533MH0001700001204143S00	4143	target La_Manare - stereo-1 - standoff near 55 mm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4079-4086 - range map product
		3533MH0001700001204144R00	4144	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4065-4072 - best focus image product
		3533MH0001700001204145S00	4145	target Seringa - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4065-4072 - range map product
		3533MH0001700001204146R00	4146	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4054-4061 - best focus image product
		3533MH0001700001204147S00	4147	target Seringa - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4054-4061 - range map product
		3533MH0001700001204148R00	4148	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4043-4050 - best focus image product
		3533MH0001700001204149S00	4149	target Seringa - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3532 with MSL CAMERA_PRODUCT_IDs 4043-4050 - range map product

updated: 21_July_2022

Sol 3534 - MAHLI Images

acquired/performed date(s):	16-Jul-22
camera positions:	11
total parent images:	102
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	102

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Monte_Caburai and acquired a 2x3 mosaic on the boulder Ilha_Novo_Destino.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Monte_Caburai ~25 cm standoff	3534MH0001900001204150C00	4150	autofocus sub-frame for target Monte_Caburai - APXS spot 2 - standoff near 25 cm
		3534MH0001900011204151C00	4151	target Monte_Caburai - APXS spot 2 - standoff near 25 cm
mhli00299	Monte_Caburai APXS spot 2 stereo-1 ~5 cm standoff	3534MH0002990001204152C00	4152	autofocus sub-frame for target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm
		3534MH0002990011204153C00	4153	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm
		3534MH0002990021204154C00	4154	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3534MH0002990021204155C00	4155	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3534MH0002990021204156C00	4156	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3534MH0002990021204157C00	4157	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3534MH0002990021204158C00	4158	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3534MH0002990021204159C00	4159	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3534MH0002990021204160C00	4160	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3534MH0002990021204161C00	4161	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00299	Monte_Caburai APXS spot 2 stereo-2 ~5 cm standoff	3534MH0002990001204162C00	4162	autofocus sub-frame for target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm
		3534MH0002990011204163C00	4163	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm
		3534MH0002990021204164C00	4164	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3534MH0002990021204165C00	4165	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3534MH0002990021204166C00	4166	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3534MH0002990021204167C00	4167	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3534MH0002990021204168C00	4168	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3534MH0002990021204169C00	4169	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3534MH0002990021204170C00	4170	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3534MH0002990021204171C00	4171	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00419	Monte_Caburai APXS spot 2 ~1 cm standoff	3534MH0004190001204172C00	4172	autofocus sub-frame for target Monte_Caburai - APXS spot 2 - standoff near 1 cm
		3534MH0004190011204173C00	4173	target Monte_Caburai - APXS spot 2 - standoff near 1 cm
		3534MH0004190021204174C00	4174	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - image 1 in 8-image relative focus stack
		3534MH0004190021204175C00	4175	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - image 2 in 8-image relative focus stack
		3534MH0004190021204176C00	4176	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - image 3 in 8-image relative focus stack
		3534MH0004190021204177C00	4177	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - image 4 in 8-image relative focus stack
		3534MH0004190021204178C00	4178	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - image 5 in 8-image relative focus stack
		3534MH0004190021204179C00	4179	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - image 6 in 8-image relative focus stack
		3534MH0004190021204180C00	4180	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - image 7 in 8-image relative focus stack
		3534MH0004190021204181C00	4181	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - image 8 in 8-image relative focus stack
mhli00299	Monte_Caburai APXS spot 1 ~5 cm standoff	3534MH0002990001204182C00	4182	autofocus sub-frame for target Monte_Caburai - APXS spot 1 - standoff near 5 cm
		3534MH0002990011204183C00	4183	target Monte_Caburai - APXS spot 1 - standoff near 5 cm
		3534MH0002990021204184C00	4184	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3534MH0002990021204185C00	4185	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3534MH0002990021204186C00	4186	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3534MH0002990021204187C00	4187	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3534MH0002990021204188C00	4188	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3534MH0002990021204189C00	4189	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3534MH0002990021204190C00	4190	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3534MH0002990021204191C00	4191	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00853	Ilha_Novo_Destino mosaic position 1 of 6 standoff between 17 cm and 32 cm	3534MH0008530001204192C00	4192	autofocus sub-frame for target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm
		3534MH0008530011204193C00	4193	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm
		3534MH0008530021204194C00	4194	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - image 1 in 8-image relative focus stack
		3534MH0008530021204195C00	4195	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - image 2 in 8-image relative focus stack
		3534MH0008530021204196C00	4196	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - image 3 in 8-image relative focus stack
		3534MH0008530021204197C00	4197	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - image 4 in 8-image relative focus stack
		3534MH0008530021204198C00	4198	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - image 5 in 8-image relative focus stack
		3534MH0008530021204199C00	4199	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - image 6 in 8-image relative focus stack
		3534MH0008530021204200C00	4200	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - image 7 in 8-image relative focus stack
		3534MH0008530021204201C00	4201	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - image 8 in 8-image relative focus stack
mhli00853	Ilha_Novo_Destino mosaic position 2 of 6 standoff between 17 cm and 32 cm	3534MH0008530001204202C00	4202	autofocus sub-frame for target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm
		3534MH0008530011204203C00	4203	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm
		3534MH0008530021204204C00	4204	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - image 1 in 8-image relative focus stack
		3534MH0008530021204205C00	4205	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - image 2 in 8-image relative focus stack
		3534MH0008530021204206C00	4206	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - image 3 in 8-image relative focus stack
		3534MH0008530021204207C00	4207	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - image 4 in 8-image relative focus stack
		3534MH0008530021204208C00	4208	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - image 5 in 8-image relative focus stack
		3534MH0008530021204209C00	4209	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - image 6 in 8-image relative focus stack
		3534MH0008530021204210C00	4210	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - image 7 in 8-image relative focus stack
		3534MH0008530021204211C00	4211	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - image 8 in 8-image relative focus stack

Continued on Next Page...

mhli00853	Ilha_Novo_Destino mosaic position 3 of 6 standoff between 17 cm and 32 cm	3534MH00085300012042I2C00	4212	autofocus sub-frame for target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm
		3534MH00085300112042I3C00	4213	target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm
		3534MH00085300212042I4C00	4214	target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm – image 1 in 8-image relative focus stack
		3534MH00085300212042I5C00	4215	target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm – image 2 in 8-image relative focus stack
		3534MH00085300212042I6C00	4216	target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm – image 3 in 8-image relative focus stack
		3534MH00085300212042I7C00	4217	target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm – image 4 in 8-image relative focus stack
		3534MH00085300212042I8C00	4218	target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm – image 5 in 8-image relative focus stack
		3534MH00085300212042I9C00	4219	target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm – image 6 in 8-image relative focus stack
		3534MH00085300212042J0C00	4220	target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm – image 7 in 8-image relative focus stack
		3534MH00085300212042J1C00	4221	target Ilha_Novo_Destino – mosaic position 3 of 6 – standoff between 17 cm and 32 cm – image 8 in 8-image relative focus stack
mhli00853	Ilha_Novo_Destino mosaic position 4 of 6 standoff between 17 cm and 32 cm	3534MH00085300012042J2C00	4222	autofocus sub-frame for target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm
		3534MH00085300112042J3C00	4223	target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm
		3534MH00085300212042J4C00	4224	target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm – image 1 in 8-image relative focus stack
		3534MH00085300212042J5C00	4225	target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm – image 2 in 8-image relative focus stack
		3534MH00085300212042J6C00	4226	target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm – image 3 in 8-image relative focus stack
		3534MH00085300212042J7C00	4227	target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm – image 4 in 8-image relative focus stack
		3534MH00085300212042J8C00	4228	target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm – image 5 in 8-image relative focus stack
		3534MH00085300212042J9C00	4229	target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm – image 6 in 8-image relative focus stack
		3534MH00085300212042K0C00	4230	target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm – image 7 in 8-image relative focus stack
		3534MH00085300212042K1C00	4231	target Ilha_Novo_Destino – mosaic position 4 of 6 – standoff between 17 cm and 32 cm – image 8 in 8-image relative focus stack
mhli00853	Ilha_Novo_Destino mosaic position 5 of 6 standoff between 17 cm and 32 cm	3534MH00085300012042K2C00	4232	autofocus sub-frame for target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm
		3534MH00085300112042K3C00	4233	target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm
		3534MH00085300212042K4C00	4234	target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm – image 1 in 8-image relative focus stack
		3534MH00085300212042K5C00	4235	target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm – image 2 in 8-image relative focus stack
		3534MH00085300212042K6C00	4236	target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm – image 3 in 8-image relative focus stack
		3534MH00085300212042K7C00	4237	target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm – image 4 in 8-image relative focus stack
		3534MH00085300212042K8C00	4238	target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm – image 5 in 8-image relative focus stack
		3534MH00085300212042K9C00	4239	target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm – image 6 in 8-image relative focus stack
		3534MH00085300212042L0C00	4240	target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm – image 7 in 8-image relative focus stack
		3534MH00085300212042L1C00	4241	target Ilha_Novo_Destino – mosaic position 5 of 6 – standoff between 17 cm and 32 cm – image 8 in 8-image relative focus stack
mhli00853	Ilha_Novo_Destino mosaic position 6 of 6 standoff between 17 cm and 32 cm	3534MH00085300012042L2C00	4242	autofocus sub-frame for target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm
		3534MH00085300112042L3C00	4243	target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm
		3534MH00085300212042L4C00	4244	target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm – image 1 in 8-image relative focus stack
		3534MH00085300212042L5C00	4245	target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm – image 2 in 8-image relative focus stack
		3534MH00085300212042L6C00	4246	target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm – image 3 in 8-image relative focus stack
		3534MH00085300212042L7C00	4247	target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm – image 4 in 8-image relative focus stack
		3534MH00085300212042L8C00	4248	target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm – image 5 in 8-image relative focus stack
		3534MH00085300212042L9C00	4249	target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm – image 6 in 8-image relative focus stack
		3534MH00085300212042M0C00	4250	target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm – image 7 in 8-image relative focus stack
		3534MH00085300212042M1C00	4251	target Ilha_Novo_Destino – mosaic position 6 of 6 – standoff between 17 cm and 32 cm – image 8 in 8-image relative focus stack

updated: 20_April_2023

Sol 3535 - MAHLI Images

acquired/performed date(s):	17-Jul-22
camera positions:	4
total parent images:	5
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	5

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: At night, MAHLI imaged inside the CheMin inlet for cleanliness.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00312	MAHLI 12.4 cm working distance above CheMin inlet mesh; inlet cover open; position 1 of 3; imaging at night	3535MH0003120001204252C00	4252	CheMin sample inlet – cover open – cleanliness inspection – at night with white light LEDs on – manual focus at funnel throat below mesh at 163 mm working distance
		3535MH0003120011204253C00	4253	CheMin sample inlet – cover open – cleanliness inspection – at night with white light LEDs on – manual focus at mesh at 124 mm working distance
mhli00326	position 2 of 3, otherwise same as above	3535MH0003260001204254C00	4254	CheMin sample inlet – cover open – cleanliness inspection – at night with white light LEDs on – manual focus at funnel throat below mesh at 163 mm working distance
mhli00326	position 3 of 3, otherwise same as two above	3535MH0003260001204255C00	4255	CheMin sample inlet – cover open – cleanliness inspection – at night with white light LEDs on – manual focus at funnel throat below mesh at 163 mm working distance
mhli00228	~19 cm above open CheMin inlet	3535MH0002280001204256C00	4256	CheMin sample inlet – cover open – cleanliness inspection – at night with white light LEDs on – manual focus at 19 cm working distance

updated: 23_March_2023

Sol 3536 - MAHLI Images

acquired/performed date(s):	18-Jul-22
camera positions:	0
total parent images:	0
focus merges performed:	10
total focus merge products:	20
total parent images + focus merge products:	20

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3534 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00369	Focus Merges	3536MH0003690001204257R00	4257	target Ilha_Novo_Destino - mosaic position 6 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4244-4251 - best focus image product
		3536MH0003690001204258S00	4258	target Ilha_Novo_Destino - mosaic position 6 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4244-4251 - range map product
		3536MH0003690001204259R00	4259	target Ilha_Novo_Destino - mosaic position 5 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4234-4241 - best focus image product
		3536MH0003690001204260S00	4260	target Ilha_Novo_Destino - mosaic position 5 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4234-4241 - range map product
		3536MH0003690001204261R00	4261	target Ilha_Novo_Destino - mosaic position 4 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4224-4231 - best focus image product
		3536MH0003690001204262S00	4262	target Ilha_Novo_Destino - mosaic position 4 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4224-4231 - range map product
		3536MH0003690001204263R00	4263	target Ilha_Novo_Destino - mosaic position 3 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4214-4221 - best focus image product
		3536MH0003690001204264S00	4264	target Ilha_Novo_Destino - mosaic position 3 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4214-4221 - range map product
		3536MH0003690001204265R00	4265	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4204-4211 - best focus image product
		3536MH0003690001204266S00	4266	target Ilha_Novo_Destino - mosaic position 2 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4204-4211 - range map product
		3536MH0003690001204267R00	4267	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4194-4201 - best focus image product
		3536MH0003690001204268S00	4268	target Ilha_Novo_Destino - mosaic position 1 of 6 - standoff between 17 cm and 32 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4194-4201 - range map product
		3536MH0003690001204269R00	4269	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4184-4191 - best focus image product
		3536MH0003690001204270S00	4270	target Monte_Caburai - APXS spot 1 - standoff near 5 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4184-4191 - range map product
		3536MH0003690001204271R00	4271	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4174-4181 - best focus image product
		3536MH0003690001204272S00	4272	target Monte_Caburai - APXS spot 2 - standoff near 1 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4174-4181 - range map product
		3536MH0003690001204273R00	4273	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4164-4171 - best focus image product
		3536MH0003690001204274S00	4274	target Monte_Caburai - APXS spot 2 - stereo-2 - standoff near 5 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4164-4171 - range map product
		3536MH0003690001204275R00	4275	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4154-4161 - best focus image product
		3536MH0003690001204276S00	4276	target Monte_Caburai - APXS spot 2 - stereo-1 - standoff near 5 cm - focus stack acquired sol 3534 with MSL CAMERA_PRODUCT_IDs 4154-4161 - range map product

updated: 21_July_2022

Sol 3537 - MAHLI Images

acquired/performed date(s):	19-Jul-22
camera positions:	3
total parent images:	22
focus merges performed:	2
total focus merge products:	4
total parent images + focus merge products:	26

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Cerro_Raya and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Cerro_Raya ~24 cm standoff	3537MH0001900001204277C00	4277	autofocus sub-frame for target Cerro_Raya - standoff near 24 cm
		3537MH0001900011204278C00	4278	target Cerro_Raya - standoff near 24 cm
mhli00182	Cerro_Raya stereo-1 ~4 cm standoff	3537MH0001820001204279C00	4279	autofocus sub-frame for target Cerro_Raya - stereo-1 - standoff near 4 cm
		3537MH0001820011204280C00	4280	target Cerro_Raya - stereo-1 - standoff near 4 cm
		3537MH0001820021204281C00	4281	target Cerro_Raya - stereo-1 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3537MH0001820021204282C00	4282	target Cerro_Raya - stereo-1 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3537MH0001820021204283C00	4283	target Cerro_Raya - stereo-1 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3537MH0001820021204284C00	4284	target Cerro_Raya - stereo-1 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3537MH0001820021204285C00	4285	target Cerro_Raya - stereo-1 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3537MH0001820021204286C00	4286	target Cerro_Raya - stereo-1 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3537MH0001820021204287C00	4287	target Cerro_Raya - stereo-1 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3537MH0001820021204288C00	4288	target Cerro_Raya - stereo-1 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00182	Cerro_Raya stereo-2 ~4 cm standoff	3537MH0001820001204289C00	4289	autofocus sub-frame for target Cerro_Raya - stereo-2 - standoff near 4 cm
		3537MH0001820011204290C00	4290	target Cerro_Raya - stereo-2 - standoff near 4 cm
		3537MH0001820021204291C00	4291	target Cerro_Raya - stereo-2 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3537MH0001820021204292C00	4292	target Cerro_Raya - stereo-2 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3537MH0001820021204293C00	4293	target Cerro_Raya - stereo-2 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3537MH0001820021204294C00	4294	target Cerro_Raya - stereo-2 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3537MH0001820021204295C00	4295	target Cerro_Raya - stereo-2 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3537MH0001820021204296C00	4296	target Cerro_Raya - stereo-2 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3537MH0001820021204297C00	4297	target Cerro_Raya - stereo-2 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3537MH0001820021204298C00	4298	target Cerro_Raya - stereo-2 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00265	Focus Merges	3537MH0002650001204299R00	4299	target Cerro_Raya - stereo-2 - standoff near 4 cm - focus stack acquired sol 3537 with MSL CAMERA_PRODUCT_IDs 4291-4298 - best focus image product
		3537MH0002650001204300S00	4300	target Cerro_Raya - stereo-2 - standoff near 4 cm - focus stack acquired sol 3537 with MSL CAMERA_PRODUCT_IDs 4291-4298 - range map product
		3537MH0002650001204301R00	4301	target Cerro_Raya - stereo-1 - standoff near 4 cm - focus stack acquired sol 3537 with MSL CAMERA_PRODUCT_IDs 4281-4288 - best focus image product
		3537MH0002650001204302S00	4302	target Cerro_Raya - stereo-1 - standoff near 4 cm - focus stack acquired sol 3537 with MSL CAMERA_PRODUCT_IDs 4281-4288 - range map product

updated: 22_July_2022

Sol 3539 - MAHLI Images

acquired/performed date(s):	21-Jul-22
camera positions:	7
total parent images:	45
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	45

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Surama and Amajari as well as the wheel-surface interface of the rover right middle wheel.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Surama ~25 cm standoff	3539MH0001900001204303C00	4303	autofocus sub-frame for target Surama - standoff near 25 cm
		3539MH0001900011204304C00	4304	target Surama - standoff near 25 cm
mhli00306	Surama stereo-1 ~5 cm standoff	3539MH0003060001204305C00	4305	autofocus sub-frame for target Surama - stereo-1 - standoff near 5 cm
		3539MH0003060011204306C00	4306	target Surama - stereo-1 - standoff near 5 cm
		3539MH0003060021204307C00	4307	target Surama - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3539MH0003060021204308C00	4308	target Surama - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3539MH0003060021204309C00	4309	target Surama - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3539MH0003060021204310C00	4310	target Surama - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3539MH0003060021204311C00	4311	target Surama - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3539MH0003060021204312C00	4312	target Surama - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3539MH0003060021204313C00	4313	target Surama - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3539MH0003060021204314C00	4314	target Surama - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00306	Surama stereo-2 ~5 cm standoff	3539MH0003060001204315C00	4315	autofocus sub-frame for target Surama - stereo-2 - standoff near 5 cm
		3539MH0003060011204316C00	4316	target Surama - stereo-2 - standoff near 5 cm
		3539MH0003060021204317C00	4317	target Surama - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3539MH0003060021204318C00	4318	target Surama - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3539MH0003060021204319C00	4319	target Surama - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3539MH0003060021204320C00	4320	target Surama - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3539MH0003060021204321C00	4321	target Surama - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3539MH0003060021204322C00	4322	target Surama - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3539MH0003060021204323C00	4323	target Surama - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3539MH0003060021204324C00	4324	target Surama - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00190	Amajari ~24 cm standoff	3539MH0001900001204325C00	4325	autofocus sub-frame for target Amajari - standoff near 24 cm
		3539MH0001900011204326C00	4326	target Amajari - standoff near 24 cm
mhli00182	Amajari stereo-1 ~45 mm standoff	3539MH0001820001204327C00	4327	autofocus sub-frame for target Amajari - stereo-1 - standoff near 45 mm
		3539MH0001820011204328C00	4328	target Amajari - stereo-1 - standoff near 45 mm
		3539MH0001820021204329C00	4329	target Amajari - stereo-1 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3539MH0001820021204330C00	4330	target Amajari - stereo-1 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3539MH0001820021204331C00	4331	target Amajari - stereo-1 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3539MH0001820021204332C00	4332	target Amajari - stereo-1 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3539MH0001820021204333C00	4333	target Amajari - stereo-1 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3539MH0001820021204334C00	4334	target Amajari - stereo-1 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3539MH0001820021204335C00	4335	target Amajari - stereo-1 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3539MH0001820021204336C00	4336	target Amajari - stereo-1 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00182	Amajari stereo-2 ~45 mm standoff	3539MH0001820001204337C00	4337	autofocus sub-frame for target Amajari - stereo-2 - standoff near 45 mm
		3539MH0001820011204338C00	4338	target Amajari - stereo-2 - standoff near 45 mm
		3539MH0001820021204339C00	4339	target Amajari - stereo-2 - standoff near 45 mm - image 1 in 8-image relative focus stack
		3539MH0001820021204340C00	4340	target Amajari - stereo-2 - standoff near 45 mm - image 2 in 8-image relative focus stack
		3539MH0001820021204341C00	4341	target Amajari - stereo-2 - standoff near 45 mm - image 3 in 8-image relative focus stack
		3539MH0001820021204342C00	4342	target Amajari - stereo-2 - standoff near 45 mm - image 4 in 8-image relative focus stack
		3539MH0001820021204343C00	4343	target Amajari - stereo-2 - standoff near 45 mm - image 5 in 8-image relative focus stack
		3539MH0001820021204344C00	4344	target Amajari - stereo-2 - standoff near 45 mm - image 6 in 8-image relative focus stack
		3539MH0001820021204345C00	4345	target Amajari - stereo-2 - standoff near 45 mm - image 7 in 8-image relative focus stack
		3539MH0001820021204346C00	4346	target Amajari - stereo-2 - standoff near 45 mm - image 8 in 8-image relative focus stack
mhli00261	Rover Right Middle Wheel	3539MH0002610011204347E01	4347	rover right middle wheel contact with surface - mobility obstruction assessment - target at about 274 cm - manual focus at motor count 12582

updated: 25_July_2022

Sol 3540 - MAHLI Images

acquired/performed date(s):	22-Jul-22
camera positions:	0
total parent images:	0
focus merges performed:	4
total focus merge products:	8
total parent images + focus merge products:	8

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3539 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00153	Focus Merges	3540MH0001530001204348R00	4348	target Amajari - stereo-2 - standoff near 45 mm - focus stack acquired sol 3539 with MSL CAMERA_PRODUCT_IDs 4339-4346 - best focus image product
		3540MH0001530001204349S00	4349	target Amajari - stereo-2 - standoff near 45 mm - focus stack acquired sol 3539 with MSL CAMERA_PRODUCT_IDs 4339-4346 - range map product
		3540MH0001530001204350R00	4350	target Amajari - stereo-1 - standoff near 45 mm - focus stack acquired sol 3539 with MSL CAMERA_PRODUCT_IDs 4329-4336 - best focus image product
		3540MH0001530001204351S00	4351	target Amajari - stereo-1 - standoff near 45 mm - focus stack acquired sol 3539 with MSL CAMERA_PRODUCT_IDs 4329-4336 - range map product
		3540MH0001530001204352R00	4352	target Surama - stereo-2 - standoff near 5 cm - focus stack acquired sol 3539 with MSL CAMERA_PRODUCT_IDs 4317-4324 - best focus image product
		3540MH0001530001204353S00	4353	target Surama - stereo-2 - standoff near 5 cm - focus stack acquired sol 3539 with MSL CAMERA_PRODUCT_IDs 4317-4324 - range map product
		3540MH0001530001204354R00	4354	target Surama - stereo-1 - standoff near 5 cm - focus stack acquired sol 3539 with MSL CAMERA_PRODUCT_IDs 4307-4314 - best focus image product
		3540MH0001530001204355S00	4355	target Surama - stereo-1 - standoff near 5 cm - focus stack acquired sol 3539 with MSL CAMERA_PRODUCT_IDs 4307-4314 - range map product

updated: 27_July_2022

Sol 3541 - MAHLI Images

acquired/performed date(s):	~~23-Jul-22~~
camera positions:	9
total parent images:	66
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	66

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the targets Benhori_Bumoko and Serra_da_Mocidade as well as the DRT-brushed target Motocuruna.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00190	Benhori_Bumoko ~25 cm standoff	3541MH0001900001204356C00	4356	autofocus sub-frame for target Benhori_Bumoko - standoff near 25 cm
		3541MH0001900011204357C00	4357	target Benhori_Bumoko - standoff near 25 cm
mhli00182	Benhori_Bumoko stereo-1 ~5 cm standoff	3541MH0001820001204358C00	4358	autofocus sub-frame for target Benhori_Bumoko - stereo-1 - standoff near 5 cm
		3541MH0001820011204359C00	4359	target Benhori_Bumoko - stereo-1 - standoff near 5 cm
		3541MH0001820021204360C00	4360	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3541MH0001820021204361C00	4361	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3541MH0001820021204362C00	4362	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3541MH0001820021204363C00	4363	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3541MH0001820021204364C00	4364	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3541MH0001820021204365C00	4365	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3541MH0001820021204366C00	4366	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3541MH0001820021204367C00	4367	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00182	Benhori_Bumoko stereo-2 ~5 cm standoff	3541MH0001820001204368C00	4368	autofocus sub-frame for target Benhori_Bumoko - stereo-2 - standoff near 5 cm
		3541MH0001820011204369C00	4369	target Benhori_Bumoko - stereo-2 - standoff near 5 cm
		3541MH0001820021204370C00	4370	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3541MH0001820021204371C00	4371	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3541MH0001820021204372C00	4372	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3541MH0001820021204373C00	4373	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3541MH0001820021204374C00	4374	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3541MH0001820021204375C00	4375	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3541MH0001820021204376C00	4376	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3541MH0001820021204377C00	4377	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00302	Benhori_Bumoko ~2 cm standoff	3541MH0003020001204378C00	4378	autofocus sub-frame for target Benhori_Bumoko - standoff near 2 cm
		3541MH0003020011204379C00	4379	target Benhori_Bumoko - standoff near 2 cm
		3541MH0003020021204380C00	4380	target Benhori_Bumoko - standoff near 2 cm - image 1 in 8-image relative focus stack
		3541MH0003020021204381C00	4381	target Benhori_Bumoko - standoff near 2 cm - image 2 in 8-image relative focus stack
		3541MH0003020021204382C00	4382	target Benhori_Bumoko - standoff near 2 cm - image 3 in 8-image relative focus stack
		3541MH0003020021204383C00	4383	target Benhori_Bumoko - standoff near 2 cm - image 4 in 8-image relative focus stack
		3541MH0003020021204384C00	4384	target Benhori_Bumoko - standoff near 2 cm - image 5 in 8-image relative focus stack
		3541MH0003020021204385C00	4385	target Benhori_Bumoko - standoff near 2 cm - image 6 in 8-image relative focus stack
		3541MH0003020021204386C00	4386	target Benhori_Bumoko - standoff near 2 cm - image 7 in 8-image relative focus stack
		3541MH0003020021204387C00	4387	target Benhori_Bumoko - standoff near 2 cm - image 8 in 8-image relative focus stack
mhli00190	Serra_da_Mocidade ~24 cm standoff	3541MH0001900001204388C00	4388	autofocus sub-frame for target Serra_da_Mocidade - standoff near 24 cm
		3541MH0001900011204389C00	4389	target Serra_da_Mocidade - standoff near 24 cm
mhli00190	Motocuruna after DRT ~25 cm standoff	3541MH0001900001204390C00	4390	autofocus sub-frame for target Motocuruna - after dust removal tool (DRT) - standoff near 25 cm
		3541MH0001900011204391C00	4391	target Motocuruna - after dust removal tool (DRT) - standoff near 25 cm
mhli00182	Motocuruna after DRT stereo-1 ~5 cm standoff	3541MH0001820001204392C00	4392	autofocus sub-frame for target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3541MH0001820011204393C00	4393	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3541MH0001820021204394C00	4394	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3541MH0001820021204395C00	4395	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3541MH0001820021204396C00	4396	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3541MH0001820021204397C00	4397	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3541MH0001820021204398C00	4398	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3541MH0001820021204399C00	4399	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3541MH0001820021204400C00	4400	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3541MH0001820021204401C00	4401	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00182	Motocuruna after DRT stereo-2 ~5 cm standoff	3541MH0001820001204402C00	4402	autofocus sub-frame for target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3541MH0001820011204403C00	4403	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3541MH0001820021204404C00	4404	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3541MH0001820021204405C00	4405	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3541MH0001820021204406C00	4406	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3541MH0001820021204407C00	4407	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3541MH0001820021204408C00	4408	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3541MH0001820021204409C00	4409	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3541MH0001820021204410C00	4410	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3541MH0001820021204411C00	4411	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00302	Motocuruna after DRT ~2 cm standoff	3541MH0003020001204412C00	4412	autofocus sub-frame for target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm
		3541MH0003020011204413C00	4413	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm
		3541MH0003020021204414C00	4414	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - image 1 in 8-image relative focus stack
		3541MH0003020021204415C00	4415	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - image 2 in 8-image relative focus stack
		3541MH0003020021204416C00	4416	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - image 3 in 8-image relative focus stack
		3541MH0003020021204417C00	4417	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - image 4 in 8-image relative focus stack
		3541MH0003020021204418C00	4418	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - image 5 in 8-image relative focus stack
		3541MH0003020021204419C00	4419	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - image 6 in 8-image relative focus stack
		3541MH0003020021204420C00	4420	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - image 7 in 8-image relative focus stack
		3541MH0003020021204421C00	4421	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - image 8 in 8-image relative focus stack

updated: 26_July_2022

Sol 3543 - MAHLI Images

acquired/performed date(s):	~~25 Jul 22~~
camera positions:	0
total parent images:	0
focus merges performed:	6
total focus merge products:	12
total parent images + focus merge products:	12

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3541 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00163	Focus Merges	3543MH0001630001204422R00	4422	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4414-4421 - best focus image product
		3543MH0001630001204423S00	4423	target Motocuruna - after dust removal tool (DRT) - standoff near 2 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4414-4421 - range map product
		3543MH0001630001204424R00	4424	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4404-4411 - best focus image product
		3543MH0001630001204425S00	4425	target Motocuruna - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4404-4411 - range map product
		3543MH0001630001204426R00	4426	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4394-4401 - best focus image product
		3543MH0001630001204427S00	4427	target Motocuruna - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4394-4401 - range map product
		3543MH0001630001204428R00	4428	target Benhori_Bumoko - standoff near 2 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4380-4387 - best focus image product
		3543MH0001630001204429S00	4429	target Benhori_Bumoko - standoff near 2 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4380-4387 - range map product
		3543MH0001630001204430R00	4430	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4370-4377 - best focus image product
		3543MH0001630001204431S00	4431	target Benhori_Bumoko - stereo-2 - standoff near 5 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4370-4377 - range map product
		3543MH0001630001204432R00	4432	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4360-4367 - best focus image product
		3543MH0001630001204433S00	4433	target Benhori_Bumoko - stereo-1 - standoff near 5 cm - focus stack acquired sol 3541 with MSL CAMERA_PRODUCT_IDs 4360-4367 - range map product

updated: 10_October_2022

Sol 3544 - MAHLI Images

acquired/performed date(s):	~~26-Jul-22~~
camera positions:	3
total parent images:	30
focus merges performed:	3
total focus merge products:	6
total parent images + focus merge products:	36

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Tumereng and the focus stack images were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00628	Tumereng ~25 cm standoff	3544MH0006280001204434C00	4434	autofocus sub-frame for target Tumereng – standoff near 25 cm
		3544MH0006280011204435C00	4435	target Tumereng – standoff near 25 cm
		3544MH0006280021204436C00	4436	target Tumereng – standoff near 25 cm – image 1 in 8-image relative focus stack
		3544MH0006280021204437C00	4437	target Tumereng – standoff near 25 cm – image 2 in 8-image relative focus stack
		3544MH0006280021204438C00	4438	target Tumereng – standoff near 25 cm – image 3 in 8-image relative focus stack
		3544MH0006280021204439C00	4439	target Tumereng – standoff near 25 cm – image 4 in 8-image relative focus stack
		3544MH0006280021204440C00	4440	target Tumereng – standoff near 25 cm – image 5 in 8-image relative focus stack
		3544MH0006280021204441C00	4441	target Tumereng – standoff near 25 cm – image 6 in 8-image relative focus stack
		3544MH0006280021204442C00	4442	target Tumereng – standoff near 25 cm – image 7 in 8-image relative focus stack
		3544MH0006280021204443C00	4443	target Tumereng – standoff near 25 cm – image 8 in 8-image relative focus stack
mhli00673	Tumereng stereo-1 ~45 mm standoff	3544MH0006730001204444C00	4444	autofocus sub-frame for target Tumereng – stereo-1 – standoff near 45 mm
		3544MH0006730011204445C00	4445	target Tumereng – stereo-1 – standoff near 45 mm
		3544MH0006730021204446C00	4446	target Tumereng – stereo-1 – standoff near 45 mm – image 1 in 8-image relative focus stack
		3544MH0006730021204447C00	4447	target Tumereng – stereo-1 – standoff near 45 mm – image 2 in 8-image relative focus stack
		3544MH0006730021204448C00	4448	target Tumereng – stereo-1 – standoff near 45 mm – image 3 in 8-image relative focus stack
		3544MH0006730021204449C00	4449	target Tumereng – stereo-1 – standoff near 45 mm – image 4 in 8-image relative focus stack
		3544MH0006730021204450C00	4450	target Tumereng – stereo-1 – standoff near 45 mm – image 5 in 8-image relative focus stack
		3544MH0006730021204451C00	4451	target Tumereng – stereo-1 – standoff near 45 mm – image 6 in 8-image relative focus stack
		3544MH0006730021204452C00	4452	target Tumereng – stereo-1 – standoff near 45 mm – image 7 in 8-image relative focus stack
		3544MH0006730021204453C00	4453	target Tumereng – stereo-1 – standoff near 45 mm – image 8 in 8-image relative focus stack
mhli00673	Tumereng stereo-2 ~35 mm standoff	3544MH0006730001204454C00	4454	autofocus sub-frame for target Tumereng – stereo-2 – standoff near 35 mm
		3544MH0006730011204455C00	4455	target Tumereng – stereo-2 – standoff near 35 mm
		3544MH0006730021204456C00	4456	target Tumereng – stereo-2 – standoff near 35 mm – image 1 in 8-image relative focus stack
		3544MH0006730021204457C00	4457	target Tumereng – stereo-2 – standoff near 35 mm – image 2 in 8-image relative focus stack
		3544MH0006730021204458C00	4458	target Tumereng – stereo-2 – standoff near 35 mm – image 3 in 8-image relative focus stack
		3544MH0006730021204459C00	4459	target Tumereng – stereo-2 – standoff near 35 mm – image 4 in 8-image relative focus stack
		3544MH0006730021204460C00	4460	target Tumereng – stereo-2 – standoff near 35 mm – image 5 in 8-image relative focus stack
		3544MH0006730021204461C00	4461	target Tumereng – stereo-2 – standoff near 35 mm – image 6 in 8-image relative focus stack
		3544MH0006730021204462C00	4462	target Tumereng – stereo-2 – standoff near 35 mm – image 7 in 8-image relative focus stack
		3544MH0006730021204463C00	4463	target Tumereng – stereo-2 – standoff near 35 mm – image 8 in 8-image relative focus stack
mhli00193	Focus Merges	3544MH0001930001204464R00	4464	target Tumereng – stereo-2 – standoff near 35 mm – focus stack acquired sol 3544 with MSL CAMERA_PRODUCT_IDs 4456-4463 – best focus image product
		3544MH0001930001204465500	4465	target Tumereng – stereo-2 – standoff near 35 mm – focus stack acquired sol 3544 with MSL CAMERA_PRODUCT_IDs 4456-4463 – range map product
		3544MH0001930001204466R00	4466	target Tumereng – stereo-1 – standoff near 45 mm – focus stack acquired sol 3544 with MSL CAMERA_PRODUCT_IDs 4446-4453 – best focus image product
		3544MH0001930001204467500	4467	target Tumereng – stereo-1 – standoff near 45 mm – focus stack acquired sol 3544 with MSL CAMERA_PRODUCT_IDs 4446-4453 – range map product
		3544MH0001930001204468R00	4468	target Tumereng – standoff near 25 cm – focus stack acquired sol 3544 with MSL CAMERA_PRODUCT_IDs 4436-4443 – best focus image product
		3544MH0001930001204469500	4469	target Tumereng – standoff near 25 cm – focus stack acquired sol 3544 with MSL CAMERA_PRODUCT_IDs 4436-4443 – range map product

updated: 10_October_2022

Sol 3546 - MAHLI Images

acquired/performed date(s):	28-Jul-22
camera positions:	7
total parent images:	56
focus merges performed:	0
total focus merge products:	0
total parent images + focus merge products:	56

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: MAHLI imaged the target Simoni and the DRT-brushed target Lilas.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00706	Simoni ~24 cm standoff	3546MH0007060001204470C00	4470	autofocus sub-frame for target Simoni - standoff near 24 cm
		3546MH0007060011204471C00	4471	target Simoni - standoff near 24 cm
		3546MH0007060021204472C00	4472	target Simoni - standoff near 24 cm - alternative auto-exposure
mhli00224	Simoni stereo-1 ~4 cm standoff	3546MH0002240001204473C00	4473	autofocus sub-frame for target Simoni - stereo-1 - standoff near 4 cm
		3546MH0002240011204474C00	4474	target Simoni - stereo-1 - standoff near 4 cm
		3546MH0002240021204475C00	4475	target Simoni - stereo-1 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3546MH0002240021204476C00	4476	target Simoni - stereo-1 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3546MH0002240021204477C00	4477	target Simoni - stereo-1 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3546MH0002240021204478C00	4478	target Simoni - stereo-1 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3546MH0002240021204479C00	4479	target Simoni - stereo-1 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3546MH0002240021204480C00	4480	target Simoni - stereo-1 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3546MH0002240021204481C00	4481	target Simoni - stereo-1 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3546MH0002240021204482C00	4482	target Simoni - stereo-1 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00224	Simoni stereo-2 ~4 cm standoff	3546MH0002240001204483C00	4483	autofocus sub-frame for target Simoni - stereo-2 - standoff near 4 cm
		3546MH0002240011204484C00	4484	target Simoni - stereo-2 - standoff near 4 cm
		3546MH0002240021204485C00	4485	target Simoni - stereo-2 - standoff near 4 cm - image 1 in 8-image relative focus stack
		3546MH0002240021204486C00	4486	target Simoni - stereo-2 - standoff near 4 cm - image 2 in 8-image relative focus stack
		3546MH0002240021204487C00	4487	target Simoni - stereo-2 - standoff near 4 cm - image 3 in 8-image relative focus stack
		3546MH0002240021204488C00	4488	target Simoni - stereo-2 - standoff near 4 cm - image 4 in 8-image relative focus stack
		3546MH0002240021204489C00	4489	target Simoni - stereo-2 - standoff near 4 cm - image 5 in 8-image relative focus stack
		3546MH0002240021204490C00	4490	target Simoni - stereo-2 - standoff near 4 cm - image 6 in 8-image relative focus stack
		3546MH0002240021204491C00	4491	target Simoni - stereo-2 - standoff near 4 cm - image 7 in 8-image relative focus stack
		3546MH0002240021204492C00	4492	target Simoni - stereo-2 - standoff near 4 cm - image 8 in 8-image relative focus stack
mhli00706	Lilas after DRT ~24 cm standoff	3546MH0007060001204493C00	4493	autofocus sub-frame for target Lilas - after dust removal tool (DRT) - standoff near 24 cm
		3546MH0007060011204494C00	4494	target Lilas - after dust removal tool (DRT) - standoff near 24 cm
		3546MH0007060021204495C00	4495	target Lilas - after dust removal tool (DRT) - standoff near 24 cm - alternative auto-exposure
mhli00182	Lilas after DRT stereo-1 ~5 cm standoff	3546MH0001820001204496C00	4496	autofocus sub-frame for target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3546MH0001820011204497C00	4497	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm
		3546MH0001820021204498C00	4498	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3546MH0001820021204499C00	4499	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3546MH0001820021204500C00	4500	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3546MH0001820021204501C00	4501	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3546MH0001820021204502C00	4502	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3546MH0001820021204503C00	4503	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3546MH0001820021204504C00	4504	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3546MH0001820021204505C00	4505	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00182	Lilas after DRT stereo-2 ~5 cm standoff	3546MH0001820001204506C00	4506	autofocus sub-frame for target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3546MH0001820011204507C00	4507	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm
		3546MH0001820021204508C00	4508	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 1 in 8-image relative focus stack
		3546MH0001820021204509C00	4509	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 2 in 8-image relative focus stack
		3546MH0001820021204510C00	4510	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 3 in 8-image relative focus stack
		3546MH0001820021204511C00	4511	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 4 in 8-image relative focus stack
		3546MH0001820021204512C00	4512	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 5 in 8-image relative focus stack
		3546MH0001820021204513C00	4513	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 6 in 8-image relative focus stack
		3546MH0001820021204514C00	4514	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 7 in 8-image relative focus stack
		3546MH0001820021204515C00	4515	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - image 8 in 8-image relative focus stack
mhli00426	Lilas after DRT ~1 cm standoff	3546MH0004260001204516C00	4516	autofocus sub-frame for target Lilas - after dust removal tool (DRT) - standoff near 1 cm
		3546MH0004260011204517C00	4517	target Lilas - after dust removal tool (DRT) - standoff near 1 cm
		3546MH0004260021204518C00	4518	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - image 1 in 8-image relative focus stack
		3546MH0004260021204519C00	4519	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - image 2 in 8-image relative focus stack
		3546MH0004260021204520C00	4520	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - image 3 in 8-image relative focus stack
		3546MH0004260021204521C00	4521	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - image 4 in 8-image relative focus stack
		3546MH0004260021204522C00	4522	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - image 5 in 8-image relative focus stack
		3546MH0004260021204523C00	4523	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - image 6 in 8-image relative focus stack
		3546MH0004260021204524C00	4524	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - image 7 in 8-image relative focus stack
		3546MH0004260021204525C00	4525	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - image 8 in 8-image relative focus stack

updated: 29_July_2022

Sol 3547 - MAHLI Images

acquired/performed date(s):	~~29-Jul-22~~
camera positions:	0
total parent images:	0
focus merges performed:	5
total focus merge products:	10
total parent images + focus merge products:	10

Image ID:
black = best, least-compressed version receive as of date at upper left; orange = only a thumbnail has been received

CDPID:
Camera Data Product Identifier = MSL:CAMERA_PRODUCT_ID in PDS archive product labels

summary of MAHLI activities: Focus stack images from Sol 3546 were merged.

Sequence	Camera Position	Image ID	CDPID	Image Comment/Purpose (RATIONALE_DESC for PDS archive products; 400 character limit)
				0123456789
mhli00227	Focus Merges	3547MH0002270001204526R00	4526	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4518-4525 - best focus image product
		3547MH0002270001204527S00	4527	target Lilas - after dust removal tool (DRT) - standoff near 1 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4518-4525 - range map product
		3547MH0002270001204528R00	4528	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4508-4515 - best focus image product
		3547MH0002270001204529S00	4529	target Lilas - after dust removal tool (DRT) - stereo-2 - standoff near 5 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4508-4515 - range map product
		3547MH0002270001204530R00	4530	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4498-4505 - best focus image product
		3547MH0002270001204531S00	4531	target Lilas - after dust removal tool (DRT) - stereo-1 - standoff near 5 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4498-4505 - range map product
		3547MH0002270001204532R00	4532	target Simoni - stereo-2 - standoff near 4 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4485-4492 - best focus image product
		3547MH0002270001204533S00	4533	target Simoni - stereo-2 - standoff near 4 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4485-4492 - range map product
		3547MH0002270001204534R00	4534	target Simoni - stereo-1 - standoff near 4 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4475-4482 - best focus image product
		3547MH0002270001204535S00	4535	target Simoni - stereo-1 - standoff near 4 cm - focus stack acquired sol 3546 with MSL CAMERA_PRODUCT_IDs 4475-4482 - range map product

7 Definitions, conventions, and acronyms

7.1 Definitions and conventions

absolute focus stack
A MAHLI focus stack acquired using a commanded (manual) focus setting. The starting focus position (a stepper motor count), and the incremental change in focus position (a stepper motor count interval) between frames in the focus stack, are specified by instrument commanding.

best focus image product
A *focus merge product* created onboard the MAHLI instrument from up to 8 *parent images* acquired as a focus stack. The *best focus image product* is a color JPEG that combines the in-focus (or closest to in-focus) elements of the up to 8 *parent images* into a single image. The onboard focus merge software also creates a *range map product*.

focus merge product
Using the methods described by Edgett *et al.* (2012), *focus merge products* are created onboard the MAHLI instrument from up to 8 *parent images* acquired as a focus stack. Two products are created, a *best focus image product* and a *range map product*.

MAHLI toolframe +X distance
Same as *standoff distance*. See *standoff distance*.

parent and child images
Every MAHLI image has a *parent image,* the picture originally commanded to be acquired. Upon command, the parent image can spawn children (each a *child image)* onboard the instrument. Examples of children include *thumbnail images*, focus merge products, and any version of the image that is compressed differently than the parent (Edgett *et al.* 2012). While a parent can be an image that was compressed during image acquisition, our best practice since landing on Mars has been to acquire and store (onboard the instrument) most MAHLI images in uncompressed 8-bit form. An uncompressed 8-bit parent image can be commanded for compression some time after acquisition and storage, whereas a parent that was compressed at the time of acquisition cannot be further compressed onboard the instrument. When a parent is stored onboard in uncompressed form, it can be used to create multiple versions of the image, each time with a different compression scheme, for downlink to Earth. Thus, if the image received is over-compressed, we have the option to retrieve it again (as many times as necessary) in a less compressed form. Indeed, the majority of MAHLI images received from Mars have been losslessly compressed children of an uncompressed, 8-bit parent.

range
Used here in the context of describing a focus merge range map product, this term refers to the distance between the front lens element and in-focus elements of the imaged subject in a given MAHLI focus merge product. As each MAHLI focus stack is acquired at a fixed *working distance*, the range denotes the distance between the camera and the relief elements of the target (*i.e.*, subject), as indicated by grayscale pixel values (data number, DN) in the range map product.

range map product
A grayscale JPEG image *focus merge product* created onboard the MAHLI instrument from up to 8 *parent images* acquired as a focus stack. The *range map product* accompanies a *best focus image product*. The grayscale pixel values (data number, DN) can be correlated with knowledge of instrument focus, *working distance*, *range*, and pixel scale.

RATIONALE_DESC
The term, RATIONALE_DESC, comes from the NASA PDS archivists. The RATIONALE_DESC for a given MAHLI image is a text description of the rationale or purpose behind the acquisition of a given MAHLI parent image or onboard focus merge product. Each parent image RATIONALE_DESC provides information that the MAHLI team desired to communicate to data users, such as the intended image target, intended working or standoff distance, intended purpose of the image (e.g., stereo, mosaic, autofocus sub-frame, range-finding), image position in a focus stack, as well as information regarding how the image supports observations made by other MSL science instruments, especially APXS and ChemCam. The RATIONALE_DESC for a focus merge product tells the user which images were merged (on what sol they were acquired and images of which CDPIDs were merged), as well as the focus merge product type (best focus or range map product).

relative focus stack
A MAHLI focus stack acquired using a starting focus position determined by a preceding instrument command. Usually, this is a focus setting based upon a focus position determined by a preceding autofocus command. The incremental change in focus position (a stepper motor count interval) between frames in the focus stack is specified by instrument commanding.

RP distance
RP refers to Rover Planners, the personnel who drive the Curiosity rover and operate its robotic arm. RP distance is equivalent to *standoff distance*. See definition of *standoff distance*.

sol
A Martian day; duration of ~1.027 Earth days.

Sol
A specific Martian sol during the MSL Curiosity mission. Because it landed during local afternoon, the sol that Curiosity arrived on Mars was designated Sol 0 and the first full sol after landing was Sol 1.

standoff distance
Also known as the MAHLI *toolframe distance* and *RP distance*, this is range between the subject photographed and the Y, Z plane defined by the two MAHLI contact sensor probe tips when they are not in contact with a surface. In the MAHLI toolframe, the X axis is equivalent to the instrument's optic (z) axis; the distance between the Y, Z plane and the subject is +X; the –X-axis goes from the Y, Z plane into the camera. Standoff *distance* and *RP distance* are equivalent to the +X MAHLI toolframe distance. MAHLI *standoff distance* is 1.9 cm less than *working distance*.

thumbnail images
Reduced-size versions of MAHLI *parent images* and *focus merge products*, approximately 1/8th size in terms of pixel dimensions. Under most circumstances, a *thumbnail image* is returned to Earth for every *parent image* acquired or *focus merge product* created, whether a full-size version of the *parent image* (or a *child image*) or *focus merge product* is returned or not.

working distance
A photography term that refers to the range between the front lens element of a camera and the subject imaged. MAHLI working distance is 1.9 cm greater than the toolframe (also known as standoff or RP) distance.

7.2 Acronyms

APXS
Alpha Particle X-ray Spectrometer (science instrument aboard MSL Curiosity rover)

CDPID or **MSL:CAMERA_PRODUCT_ID**
Each MAHLI parent image acquired or onboard focus merge product created and stored in the instrument's DEA flash memory is assigned a Camera Data Product ID (CDPID). This identifier, plus the time at which (or sol on which) the data were acquired, uniquely identify each image. The CDPID and sol are incorporated into the image ID. Data acquired by the camera but not stored in the DEA have less unique CDPIDs; these acquisitions have generally been rare and easy for the operations team to track (*i.e.*, 12 such images were obtained during Interplanetary Cruise, only one such image was obtained during the first 1000 sols of operations on Mars).

ChemCam
Chemistry Camera; Laser Induced Breakdown Spectrometer (LIBS) and Remote Microscopic Imager (RMI) (science instrument suite aboard MSL Curiosity rover)

CheMin
Chemistry and Mineralogy x-ray diffraction (XRD) and x-ray fluorescence (XRF) sample analysis investigation (science instrument aboard MSL Curiosity rover)

CHIMRA
Collection and Handling for Interior Martian Rock Analysis (sample handling and processing subsystem on Curiosity's robotic arm)

DEA
Digital Electronics Assembly, the MAHLI electronics housed inside Curiosity's rover body.

DN
data number (image pixel value)

DOF
image depth of field

DRT
Dust Removal Tool (wire brush tool on Curiosity's robotic arm)

EDR
Experiment Data Record

Hazcam(s)
Hazard cameras (engineering cameras aboard MSL Curiosity rover)

ID or **image ID**
Image identifier (NASA PDS image identifier for MAHLI images and focus merge products).

JPL-Caltech
Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, USA

MAHLI
Mars Hand Lens Imager (science instrument aboard MSL Curiosity rover)

MARDI
Mars Descent Imager (science instrument aboard MSL Curiosity rover)

Mastcam-34 (also M-34 and M34)
34 mm focal length Mast Camera (science instrument aboard MSL Curiosity rover)

Mastcam-100 (also M-100 and M100)
100 mm focal length Mast Camera (science instrument aboard MSL Curiosity rover)

MSL
Mars Science Laboratory

MSSS
Malin Space Science Systems, San Diego, California, USA

NASA
National Aeronautics and Space Administration (USA space agency)

Navcam(s)
Navigation cameras (engineering cameras aboard MSL Curiosity rover)

PDS
Planetary Data System (NASA planetary science data archives)

QMS
Quadrupole Mass Spectrometer (part of the SAM instrument suite aboard MSL Curiosity rover)

RDR
Reduced Data Record

REMS
Rover Environment and Monitoring Station (science instrument suite aboard MSL Curiosity rover)

SAM
Sample Analysis at Mars (science instrument suite aboard MSL Curiosity rover)

TLS
Tunable Laser Spectrometer (part of the SAM instrument suite aboard MSL Curiosity rover)

USA
United States of America

UTC
Coordinated Universal Time

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