Entry, Descent and Landing Cameras (EDLCAM)
Mars 2020 Mission

Release Number: 1
Release Date: 2021-08-20
Data Coverage: 2021-02-18 through 2021-05-21 (Sols 0-89)
Included collections:

- urn:nasa:pds:m2020_edlcam_raw:data_audio
- urn:nasa:pds:m2020_edlcam_raw:document_video
- urn:nasa:pds:m2020_edlcam_raw:document (primary collection)
- urn:nasa:pds:mars2020_ecam:document_camera (secondary collection)
- urn:nasa:pds:mars2020_mission:document (secondary collection)

Overview
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The m2020_edlcam_bundle contains the following primary collections:

- data_audio: Raw audio products acquired by the EDLCAM microphone in WAV format. Includes one-second clips and and concatenated files.
- document_video: Raw and time-lapse videos of data acquired by the EDLCAM cameras in MP4 format
- document: Includes this release notes file and the bundle Software Interface Specification (SIS)

The m2020_edlcam_bundle also contains the following secondary collections:

- From the mars2020_mission bundle, the document collection includes general documentation for the mission
- From the mars2020_ecam bundle, the camera-related document collection includes the bundle SIS and the Camera Data Product SIS

Each product in this bundle is described by a PDS4 label in a separate file with the same base file name with the extension "xml". PDS4 labels are XML (eXtended Markup Language) files that conform to the PDS4 Information Model XML schema at https://pds.nasa.gov/pds4/schema/released/. They are best viewed in an XML-aware text editor, and may be used by software that can manipulate XML documents.

See these sources for more information.

- For information about PDS4, see https://pds.nasa.gov/pds4/about/.
- For information about the Mars Perseverance Rover (Mars 2020) mission, see the document bundle urn:nasa:mars2020_mission/document collection.

This bundle was created by the Engineering Camera / EDLCAM team and is curated by the Cartography and Imaging Science Node of the Planetary Data System. Questions about this bundle may be directed to:

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Web: http://img.pds.nasa.gov/index.html
Email: pds.img@jpl.nasa.gov

Notes for Users
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1. Some of the audio snippets are quiet/have no sound, particularly earlier products in the time series.

2. The following concatenated audio products are provided for user convenience. See the m2020_edlcam_raw_bundle_sis.pdf for specific file names:
Sol 2, session_id=6, wind
Sol 3, session_id=7, background rover pump whine
Sol 16, session_id=8, rover drive
Sol 45, session_id=9, arm motions for selfie part 1
Sol 46, session_id=10, arm motions for selfie part 2

3. In future releases, the mars2020_ecam bundle will complement this (m2020_edlcam_raw) bundle. The mars2020_ecam bundle will include more complete metadata, additional products for Sols > 89, and conform to the Mars2020 Camera SIS.