

## NASA and CODMAC Processing Levels for Science Data Sets

NASA	CODMAC	Description
Packet data	Raw Level 1	Telemetry data stream as received at the ground station, with science and engineering data embedded.
Level 0	Edited Level 2	Instrument science data (e.g., raw voltages, counts) at full resolution, time ordered, with duplicates and transmission errors removed.
Level 1A	Calibrated Level 3	NASA Level 0 data that have been located in space and may have been transformed (e.g., calibrated, rearranged) in a reversible manner and packaged with needed ancillary and auxiliary data (e.g., radiances with the calibration equations applied).
Level 1B	Resampled Level 4	Irreversibly transformed (e.g., resampled, remapped, calibrated) values of the NASA Level 1A, or possibly Level 0, instrument measurements (e.g., radiances, magnetic field strength).
Level 1C	Derived Level 5	NASA Level 1A or 1B data that have been resampled and mapped onto uniform space-time grids. The data are calibrated (i.e., radiometrically corrected) and may have additional corrections applied (e.g., terrain correction).
Level 2	Derived Level 5	Geophysical parameters, generally derived from NASA Level 1 data, and located in space and time commensurate with instrument location, pointing, and sampling.
Level 3	Derived Level 5	NASA Level 2 geophysical parameters mapped onto uniform space-time grids.

Source: Lunar Reconnaissance Orbiter, Lunar Orbiter Laser Altimeter, Reduced Data Record and Derived Products, Software Interface Specification; Version 2.6; Mar 11, 2016; Gregory A. Neumann; [http://pds-geosciences.wustl.edu/lro/lro-l-lola-3-rdr-v1/lrolol\\_1xxx/document/rdrsis.htm](http://pds-geosciences.wustl.edu/lro/lro-l-lola-3-rdr-v1/lrolol_1xxx/document/rdrsis.htm).

- PDS data set ID, from which this source reference was taken, is LRO-L-LOLA-2-EDR-V1.0.
- URL is current as of December, 2016, but may become out of date in the future; in any case it will not be updated here.

### Abbreviations

CODMAC	Committee On Data Management And Computation
ID	IDentifier
NASA	National Aeronautics and Space Administration
PDS	Planetary Data System
URL	Uniform Resource Locator