

## NASA and CODMAC Processing Levels for Science Data Sets

| NASA        | CODMAC                | Description  |
|-------------|-----------------------|--|
| Packet data | Raw<br>Level 1        | Telemetry data stream as received at the ground station, with science and engineering data embedded.   |
| Level 0     | Edited<br>Level 2     | Instrument science data (e.g., raw voltages, counts) at full resolution, time ordered, with duplicates and transmission errors removed.  |
| Level 1A    | Calibrated<br>Level 3 | 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<br>Level 4  | Irreversibly transformed (e.g., resampled, remapped, calibrated) values of the instrument measurements (e.g., radiances, magnetic field strength).   |
| Level 1C    | Derived<br>Level 5    | 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<br>Level 5    | Geophysical parameters, generally derived from Level 1 data, and located in space and time commensurate with instrument location, pointing, and sampling.  |
| Level 3     | Derived<br>Level 5    | 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 2.42; Mar 15, 2011; Gregory A. Neumann; <http://imbrium.mit.edu/DOCUMENT/RDRSIS.HTM>.

CODMAC: Committee On Data Management And Computation