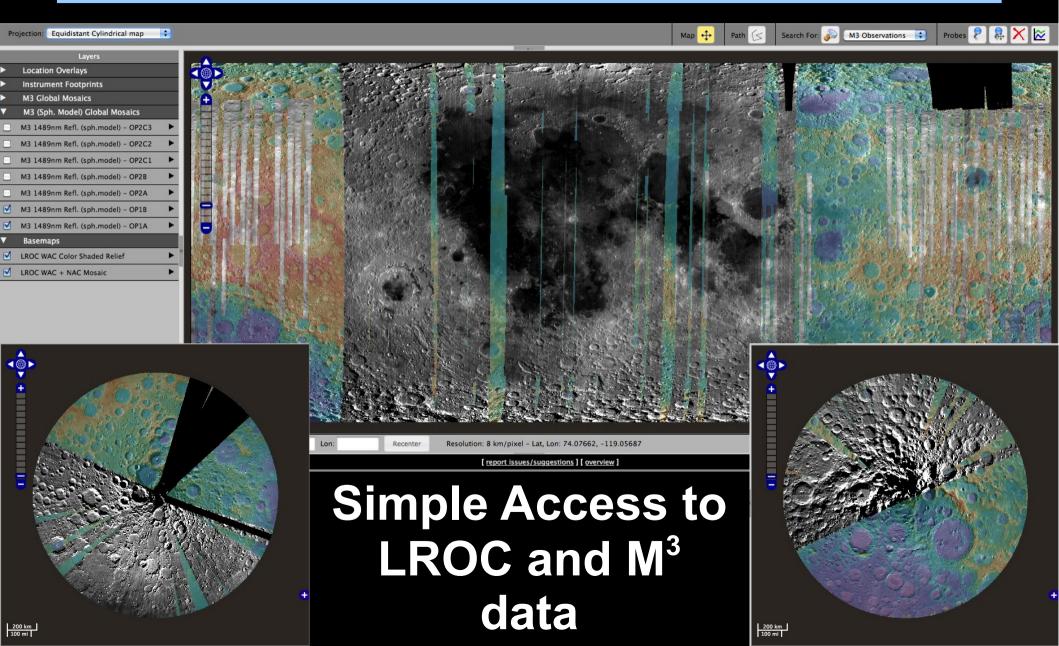




http://mare.actgate.com/qmap2/qmap.html







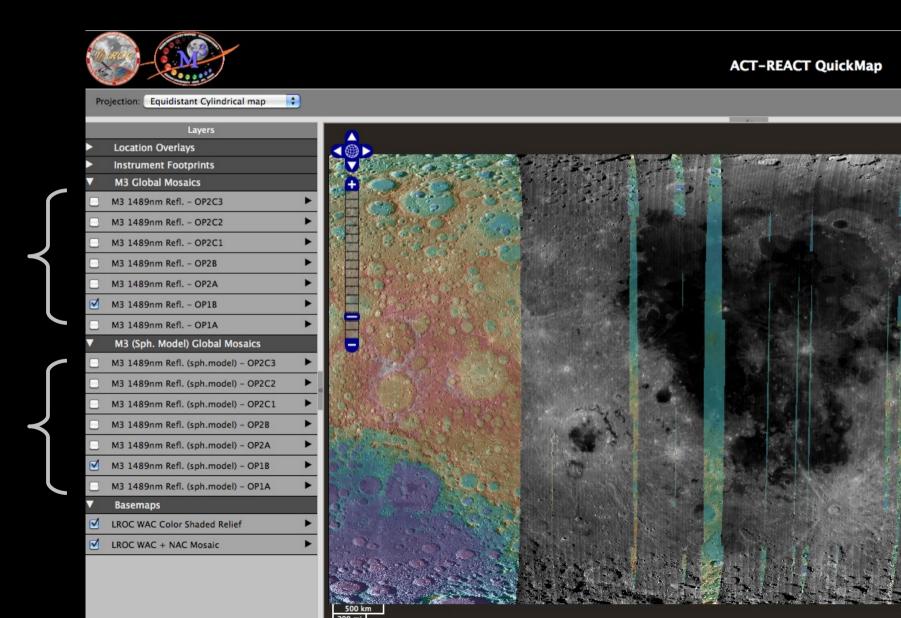
Highlights:

- M³ Mosaics for each OP sub-group: (OP1A, OP1B, OP2A, OP2B, OP2C1, OP2C2, OP2C3)
- Display/validate/compare M³ spectra at any location
- Elevation profiles and 3D topography (based on LROC WAC DTM, GLD100)





Access mosaics by selecting the desired OP (Optical Period) sub-group



L2 reflectance using actual topography (based on LOLA)

L2 reflectance using a sphere model (the local topography is not accounted)

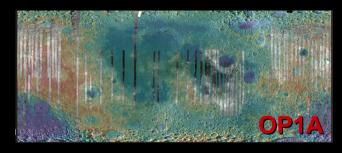


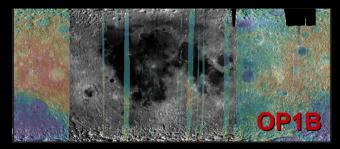


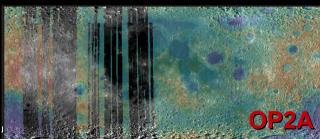
M3 Global Mosaics at 125 meters/pixel generated by ACT

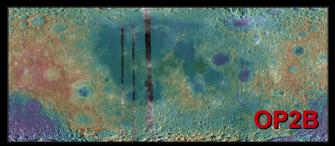
The global mosaics of M3 observations (apparent reflectance at 1489 nm) easily show how the degraded pointing accuracy (due to multiple S/C failures) affects:

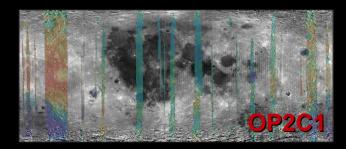
- Spatial registration relative to trusted base maps (LROC WAC mosaic)
- L2 processing: artefacts due to a poor estimation of the local topography

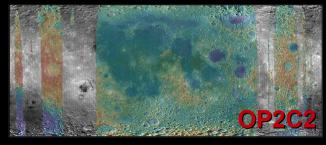


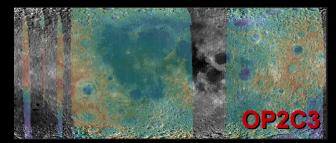








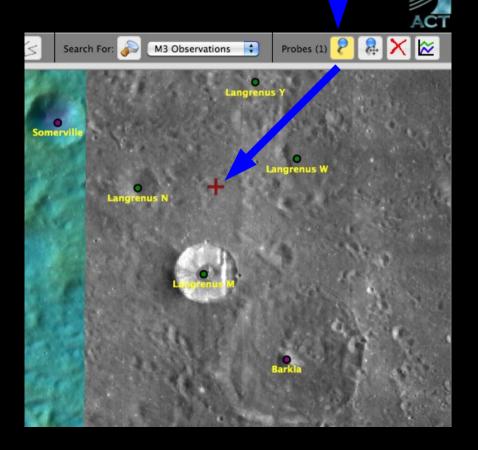




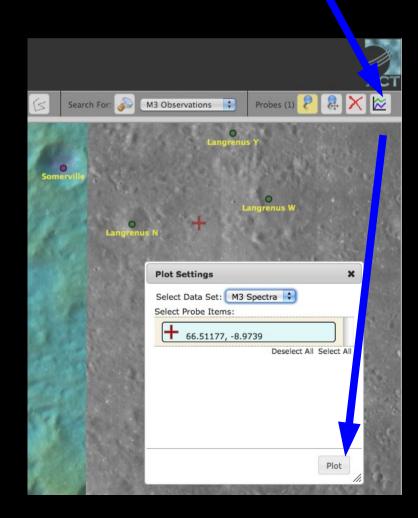




1) Place a probe by selecting the probe icon and clicking on a point of interest



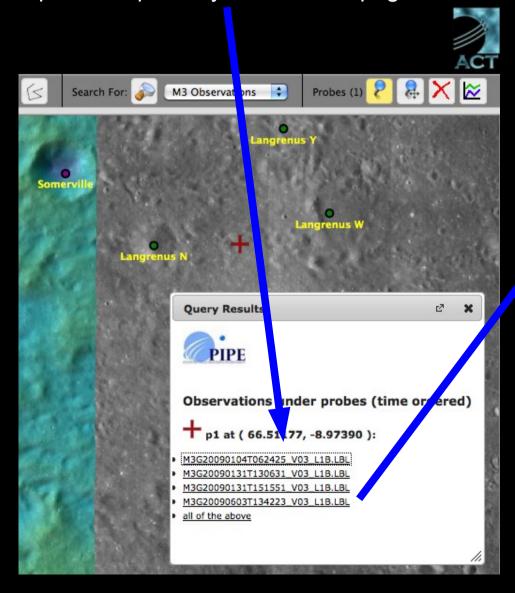
2) Click on the plot icon, and then on the 'Plot' button

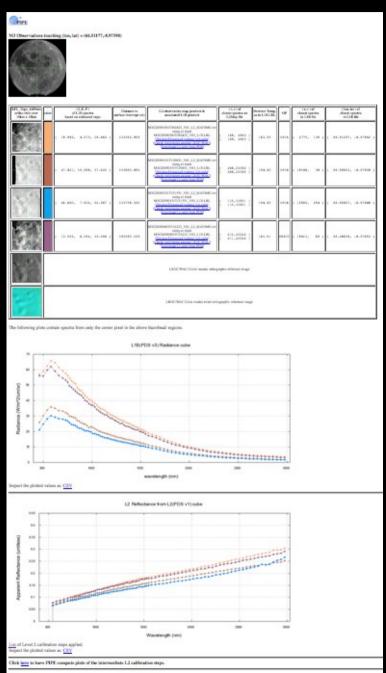






Results: all the Observations covering the point of interest are listed and can be explored separately or all in one page









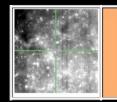
For each M³ observation, the result page shows:

A 15km by 15km context preview for the selected region of interest

> Links to additional visualization, validation and download options:

- Inspect and interact with the selected subregion
- Validate the M3 ↔ LROC spatial registration
- Links to download data from PDS

Basic geometric (I, E, P) and other relevant parameters (e.g. detector temperature)



M3G20090104T062425_V01_L2_MAP.IMG.vrt using as input M3G20090104T062425_V03_L1B.LBL Preview/Download mapped sub-cube [Check registration against LROC/WAC]

[Download L2 cube from PDS]



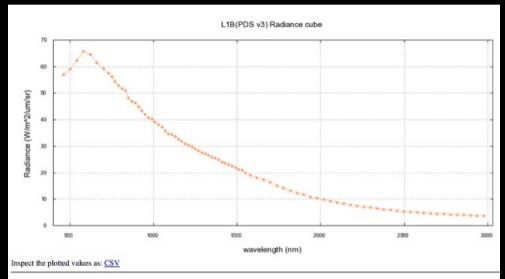


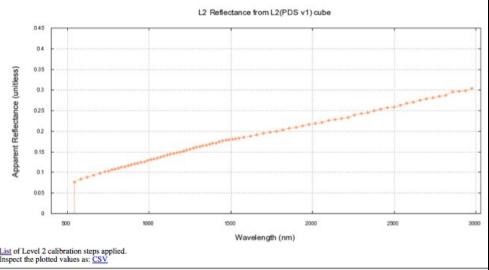
For each M³ observation, the result page shows:

L1B Radiance plot (at probe location)

L2 Reflectance plot (at probe location)

Option to generate additional plots to validate the L2 calibration steps



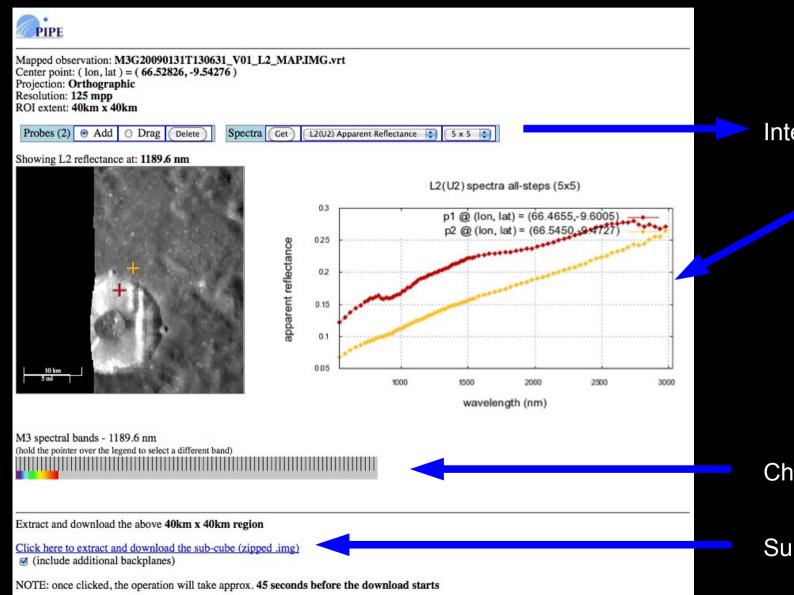


Click here to have PIPE compute plots of the intermediate L2 calibration steps





Interactive access to M³ sub-cubes:



Interactive spectra plots

Choose spectral bands

Sub-cube download

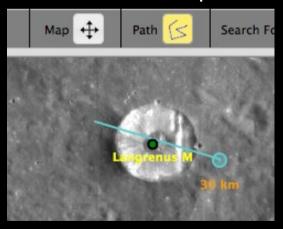




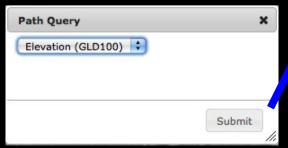
Interactive access to LROC WAC global DTM (GLD100)

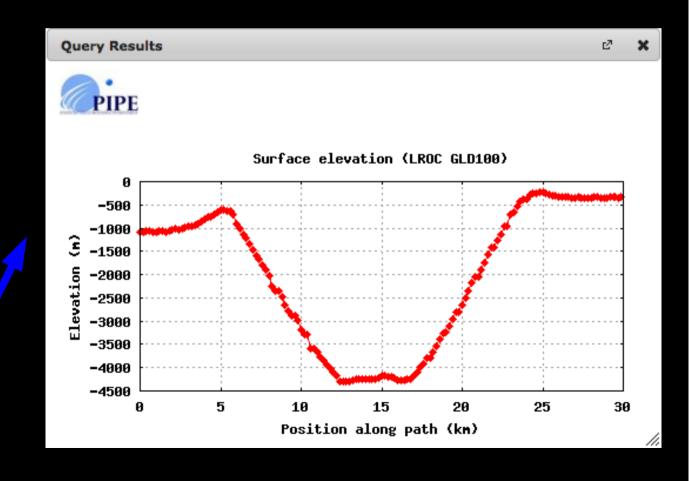
Elevation profiles along paths:

1) Click on the Path icon and draw a path



2) Click Submit









Interactive access to LROC WAC global DTM (GLD100)

3D grounds views:

1) Click on the lens icon and select '3D ground view'



2) draw a rectangle around a region of interest

