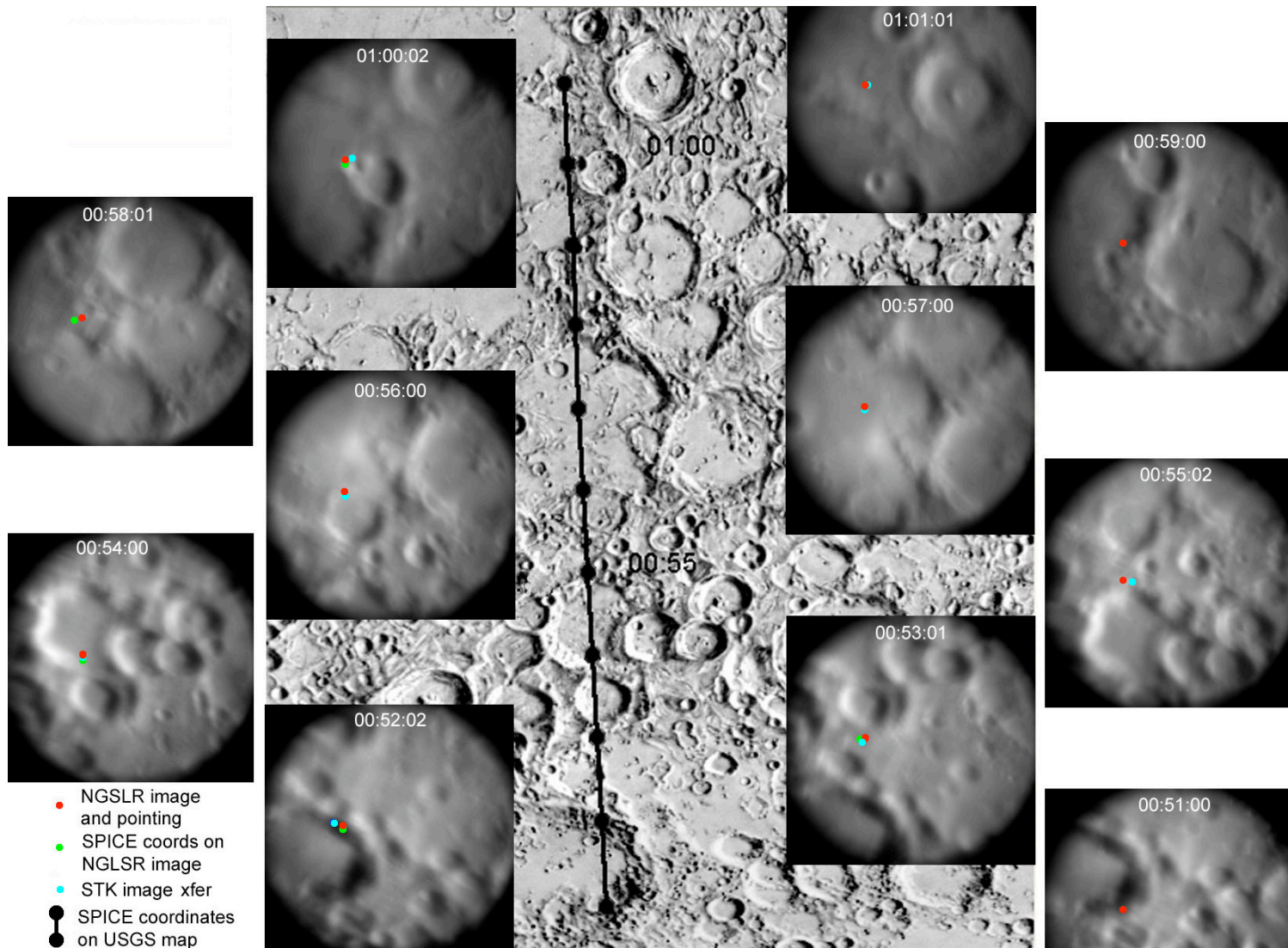


# Laser Ranging Ground System

- **Progress**
  - **SCLK file conversion now includes information from APID05 (for fixed STCF offset between MET and s/c UT).**
  - **Hope to do website testing with playback from MOC next week (have not yet coordinated with MOC).**
  - **Timing testing with Instrument Scientist will occur in early September.**
  - **One-way system delay analysis ongoing.**
  - **We continue to range to earth orbiting satellites to keep system ready.**
  - **Selection of international stations to participate in LRO ranging is now delayed until the end of August. Discussions now ongoing with the stations interested in participating. Have 2 proposals in: Zimmerwald (Switzerland), and Herstmonceux (Gr.Britain). Expecting to hear from Matera (Italy), Mt Stromlo (Eastern Australia), Wettzell (Germany). We are also working with MOBLAS-6 in South Africa and MOBLAS-5 in Western Australia) to upgrade to their system to possibly allow them to participate.**
  - **A more realistic LOLA-SOC CRD was given to FDF in late June. However, updates to this are still needed and will be supplied shortly.**
  - **We would like another set of predictions from FDF to do testing with (to last until launch).**
- **Issues & Risks: None.**

# Laser Ranging Ground System (cont)



The projected orbit track from 00:51 to 01:01. The large background image is the USGS product and the small insets are NGSLR images. Each NGSLR image can be matched with the USGS map by tracing horizontally from the red dot across to the black dot on the orbit track.