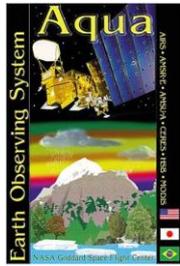


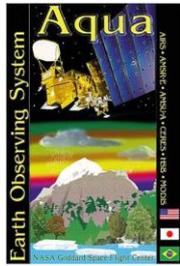
MODIS Instrument Status



- MODIS continues to operate nominally
- No anomalies observed during AMSR-E spin-up
 - Key telemetry temperatures (Focal plane, Instrument, BB) stable
 - No impact on scan-by-scan calibration of thermal bands
 - Supplemental SRCA spatial calibration on 2012/341 data collected – results in process
- Question: When will decision regarding the lunar roll maneuver requested by MODIS for 12/23/12 be made?



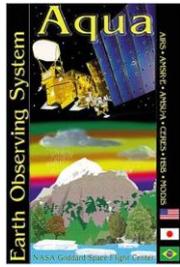
MODIS Geolocation Status



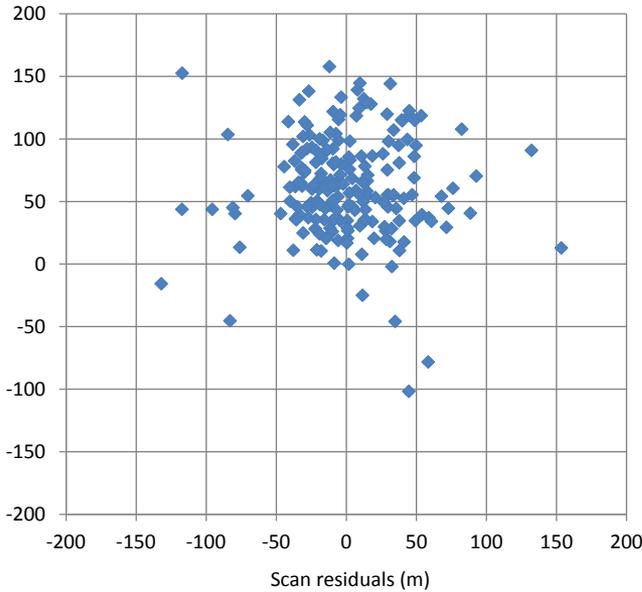
- No significant change observed in MODIS ground control point residuals after AMSR-E spin-up (see following slides)
 - Standard deviation in track and scan direction held steady (~40 m)
 - The number of matchups per day is smaller than nominal, but not so small to be concerned about
 - Residuals from MODAPS forward processing were delayed due to an un-related production issue, but not expected to be significantly different than LANCE (near-real-time) results
- Visual analysis of geolocation quality of gridded land products after spin-up by Land QA and geolocation group did not detect any noticeable geometric artifacts (see following slides)
- No significant change in scan gap or overlap observed (outside of ~2 hour spin-up window)
- Our analysis of quaternions and embedded attitude agrees with John Nidhiry results (no significant concerns)
- We will continue to closely monitor MODIS control point residuals over the next few weeks
- Request: Please notify the MODIS geolocation team if there are deviations from current AMSR-E and/or Aqua attitude “new normal”



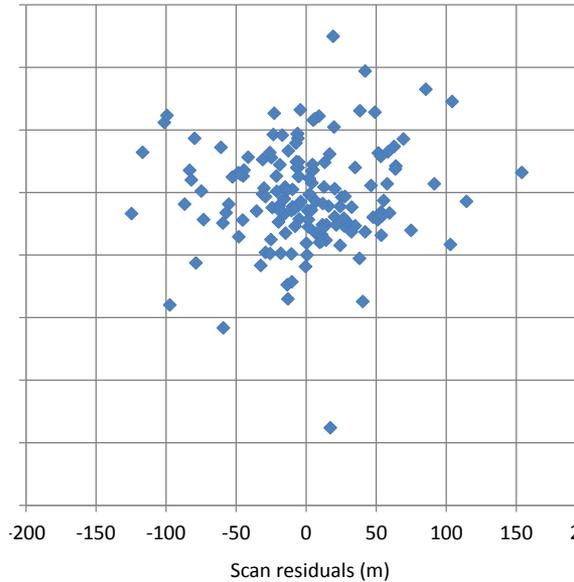
MODIS Control Point Residuals



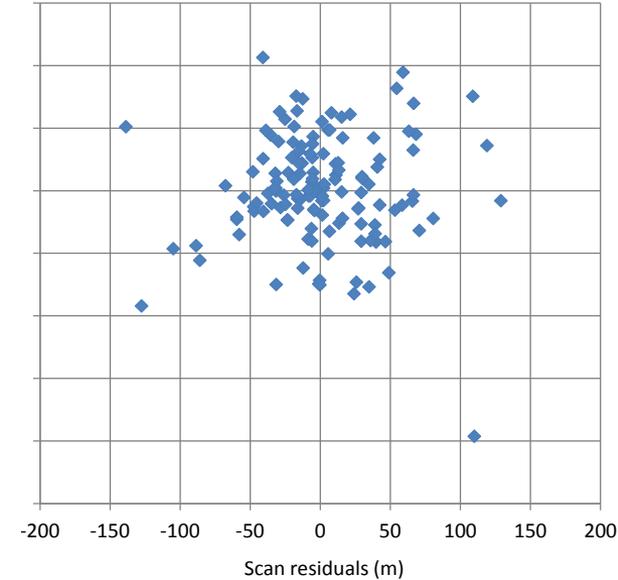
D338 - LANCE



D339 - LANCE



D340 - LANCE



Control point residuals in nadir equivalent units (50 m = 15 arcsec @ 705 km)

Data-day	338	339	340
Matchups	210	155	140
Track Mean (Stdev)	62 m (40 m)	48 m (40 m)	51 (42 m)
Scan Mean (Stdev)	1 m (40 m)	0 m (45 m)	1 m (43 m)

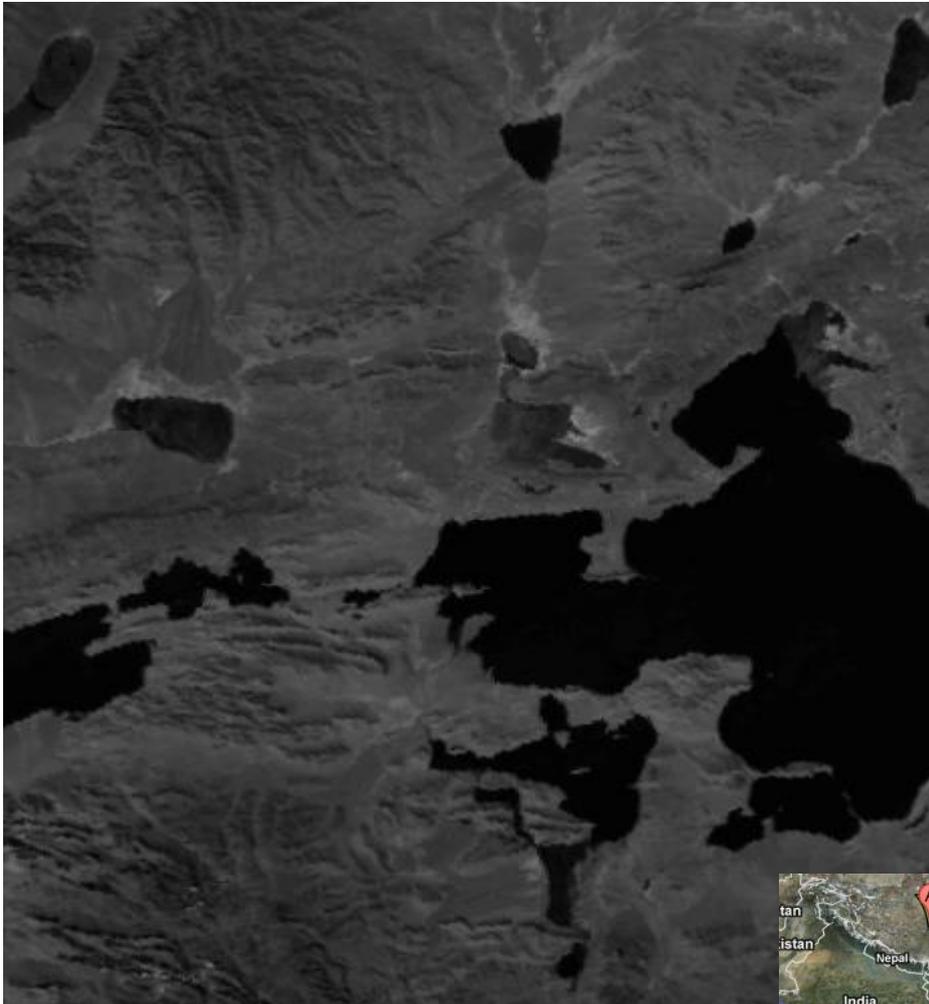
No significant change in MODIS control point residuals after AMSR-E spin-up at 15:12z on Data-day 339 (based on LANCE near-real-time data)



MODIS Image Geometry

Before: 2012/324 07:00z

After: 2012/340 07:00z



Band 2 (NIR) 31.9 N, 88.8 E

Image geometry after spin-up still excellent