Response to Problems with the Scanning Mirror

The Juno spacecraft is spin stabilized, therefore, in an effort to produce images with highest resolution, the JIRAM team relied on a scanning mirror. The goal was to hold the image steady on the detector. Beginning in orbit 43 problems developed with the scanning mirror that interfered with planned targeting and severely impacted the science. The result is that many of the planned sequences generated images and spectra that were off the planet, these data have been listed in an index named N/A and geometry in the Jupiter indexes has been limited to sub solar and sub spacecraft values to provide a rough idea of observing conditions.

The parameters used in the Jupiter indexes are listed at the end of the tables. The WebGeocalc tool https://wgc.jpl.nasa.gov:8443/webgeocalc/#NewCalculation was used utilizing Sub-solar Point and Sub-observer Point to generate the geometry for start times of each image exposure.