

Assessment of SLR Network Performance

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Why?

... why not ... 😊

The initial motivation for some of the following graphs of station performance arose from an assessment of potential corner cube array design for HEO satellites.

Station Performance

Are there patterns in the SLR data as a function of local time, or as a function of the satellite range?

If so:

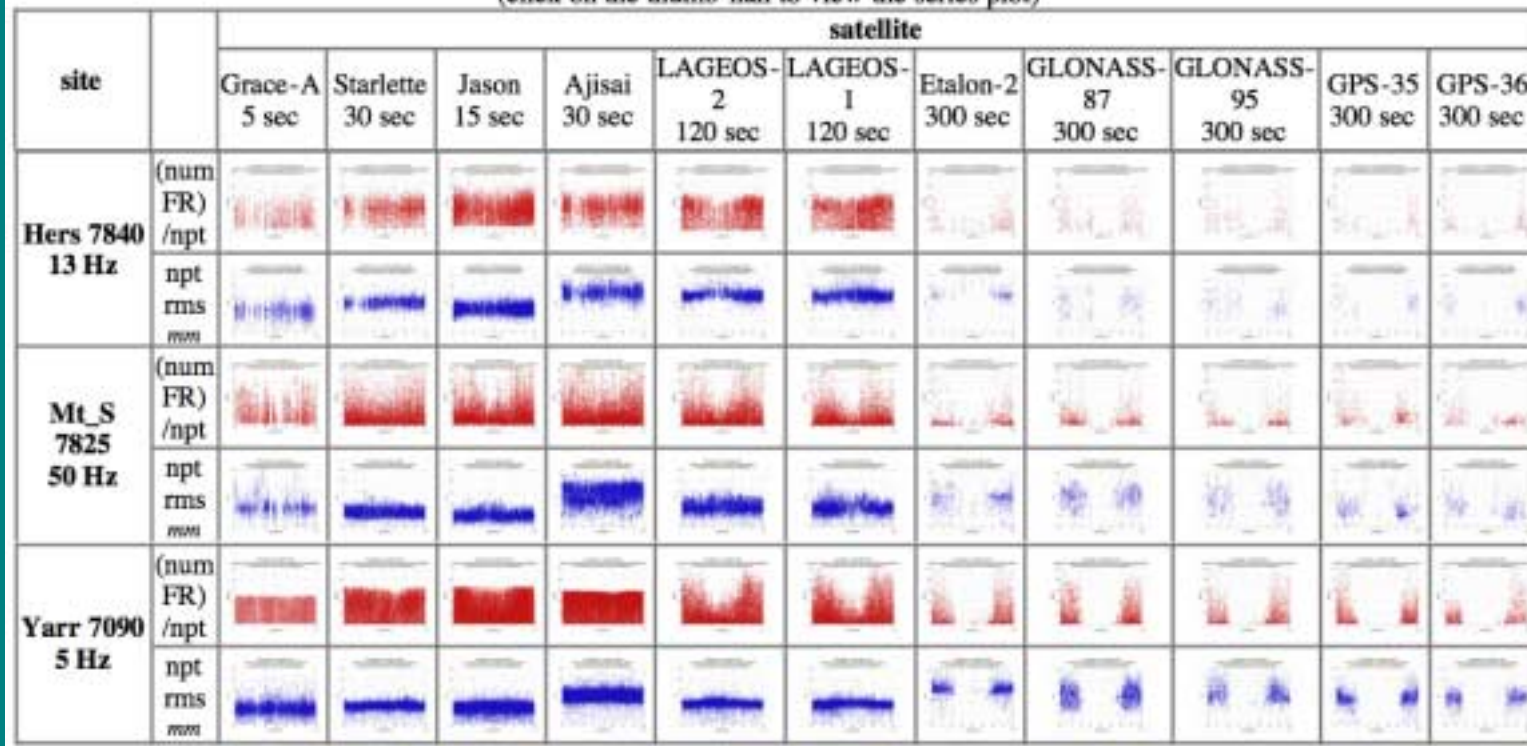
Are the patterns apparent in all of the recent (post 1999) data?

Are there variations from year to year?

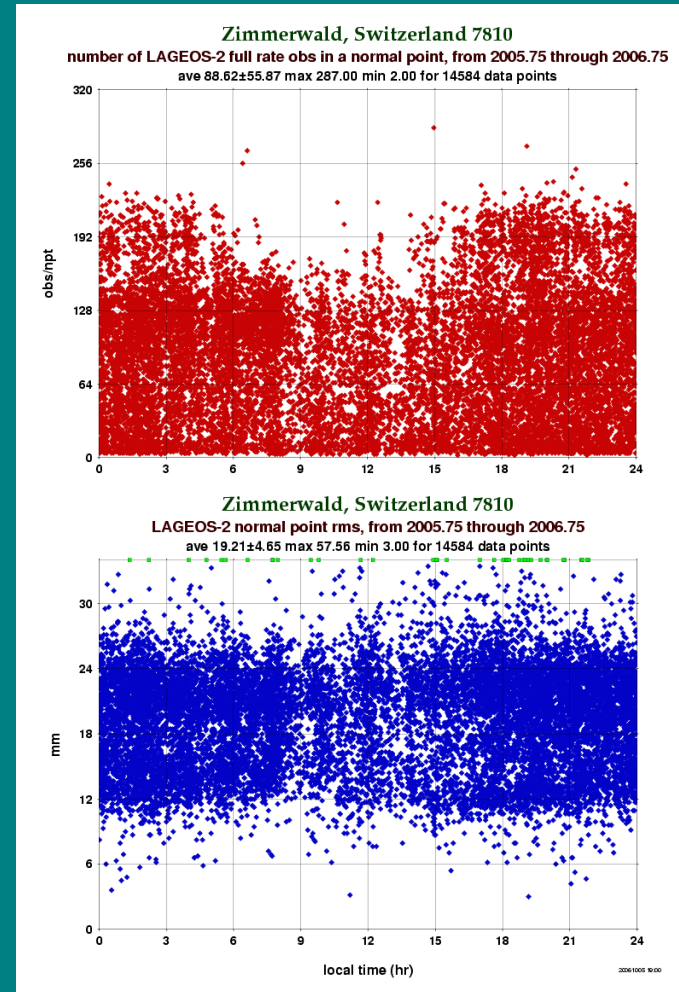
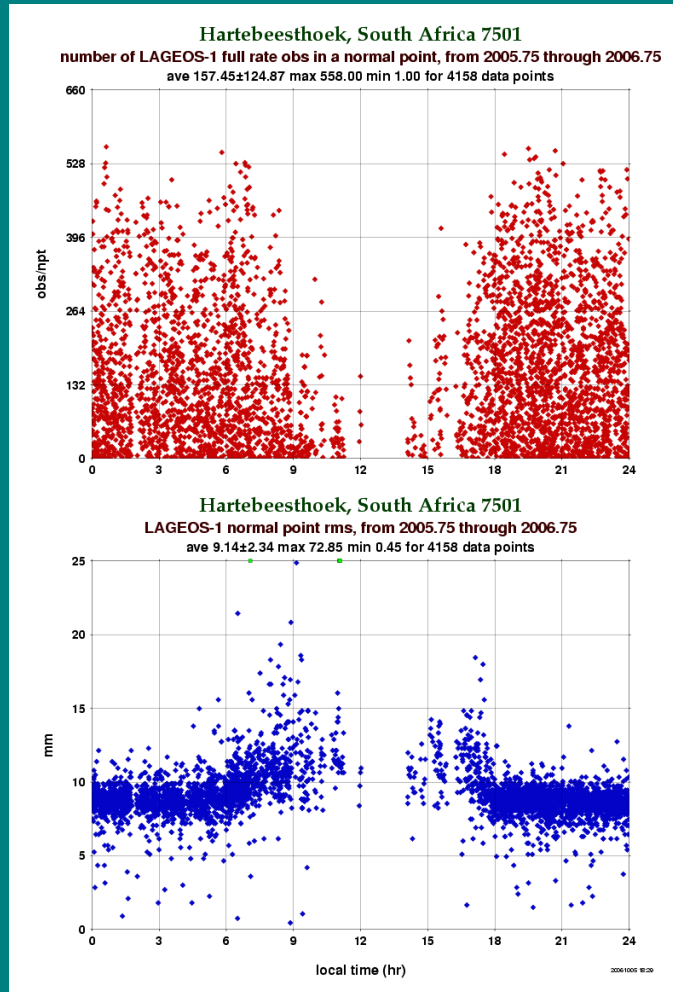
Are there any satellite dependencies?

Function of local time?

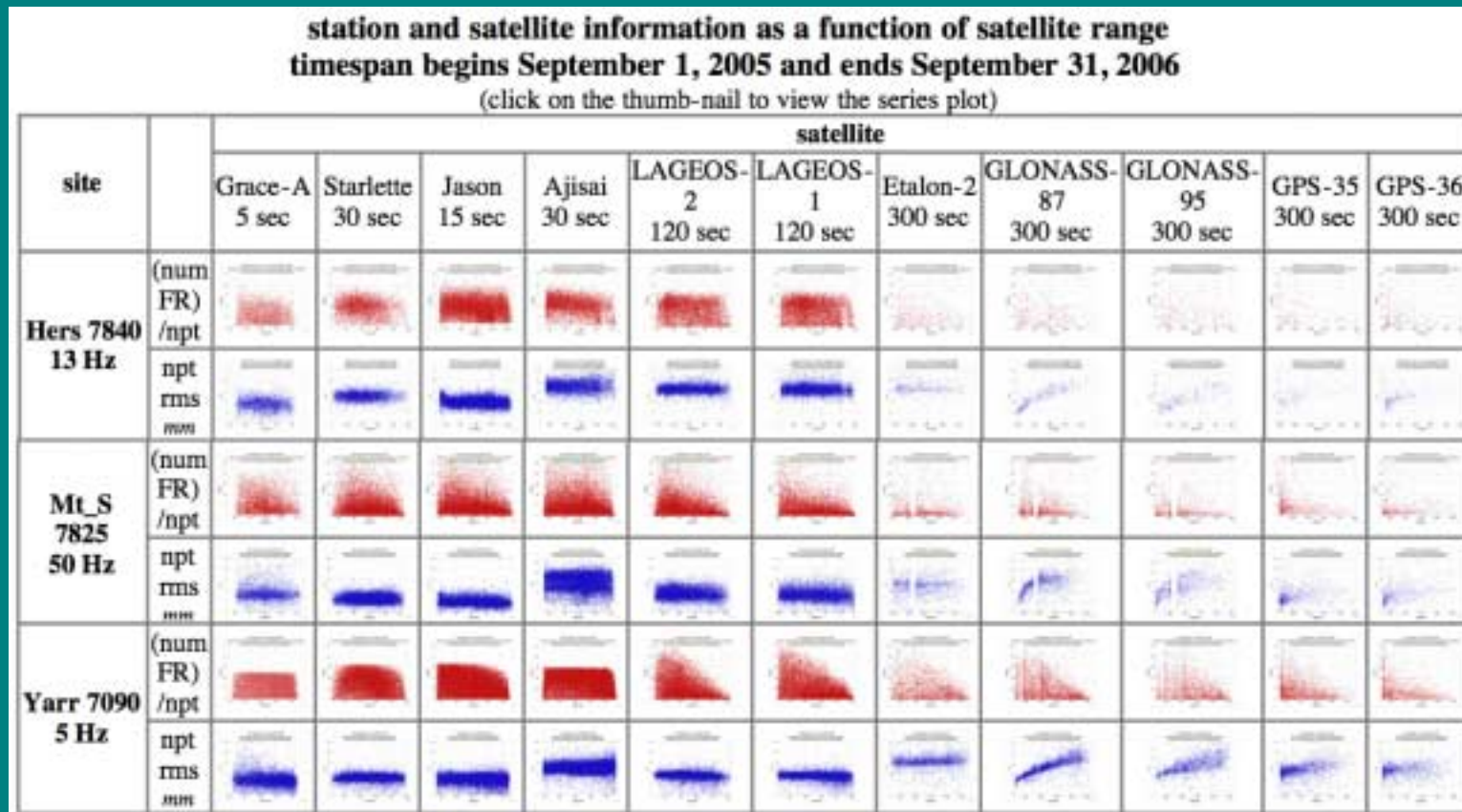
station and satellite information as a function of local time
 timespan begins September 1, 2005 and ends September 31, 2006
 (click on the thumb-nail to view the series plot)



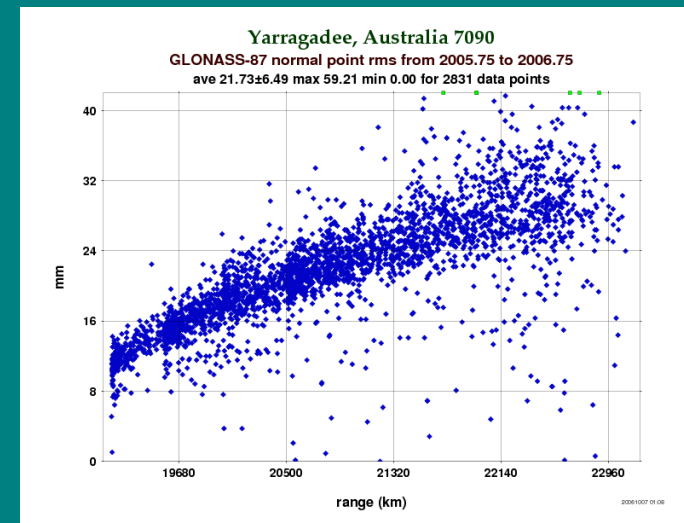
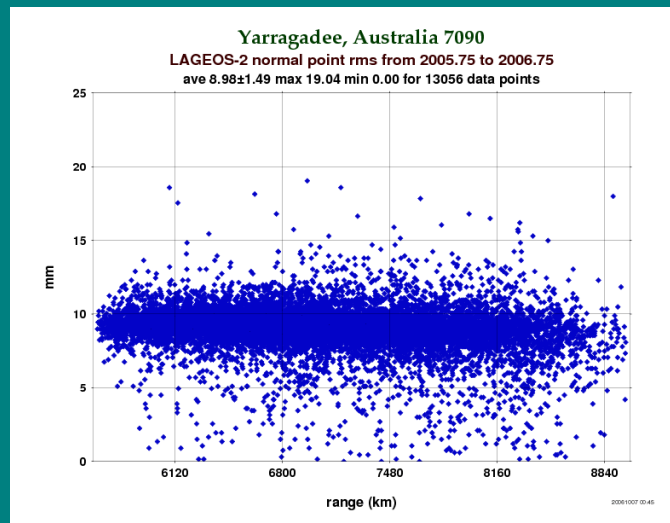
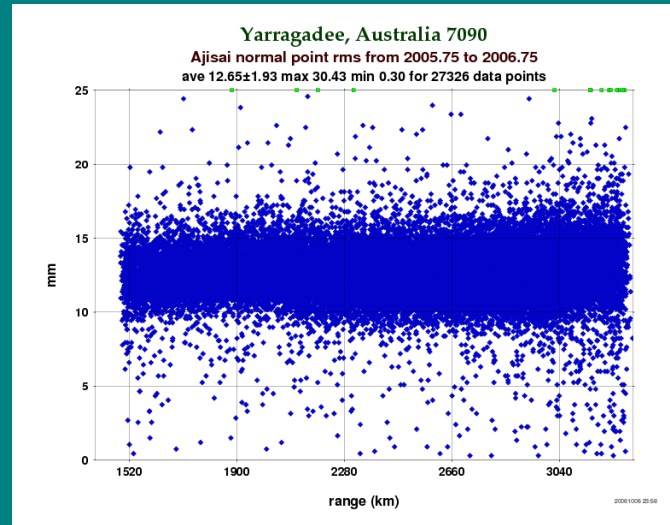
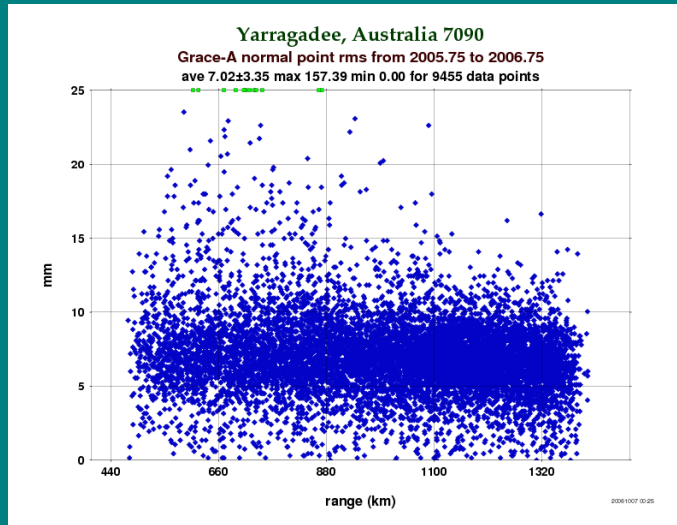
Function of local time?



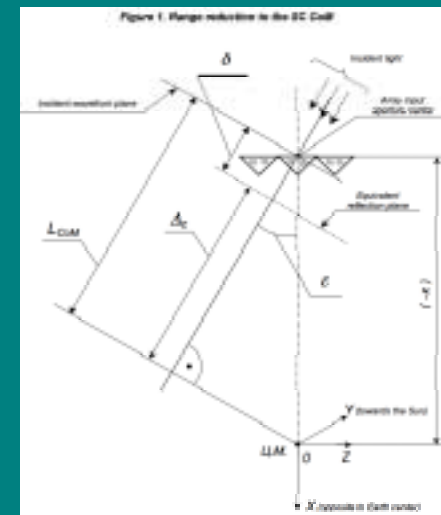
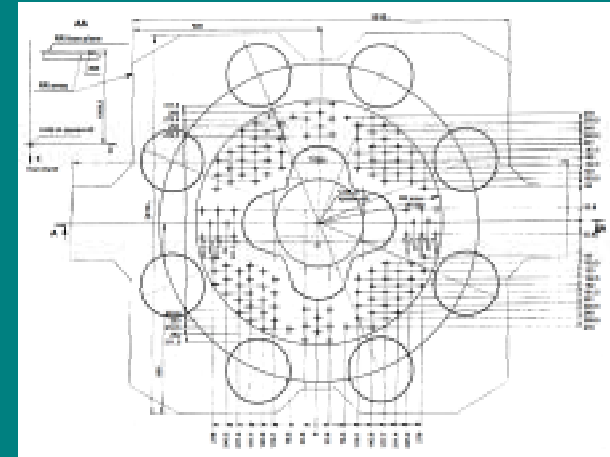
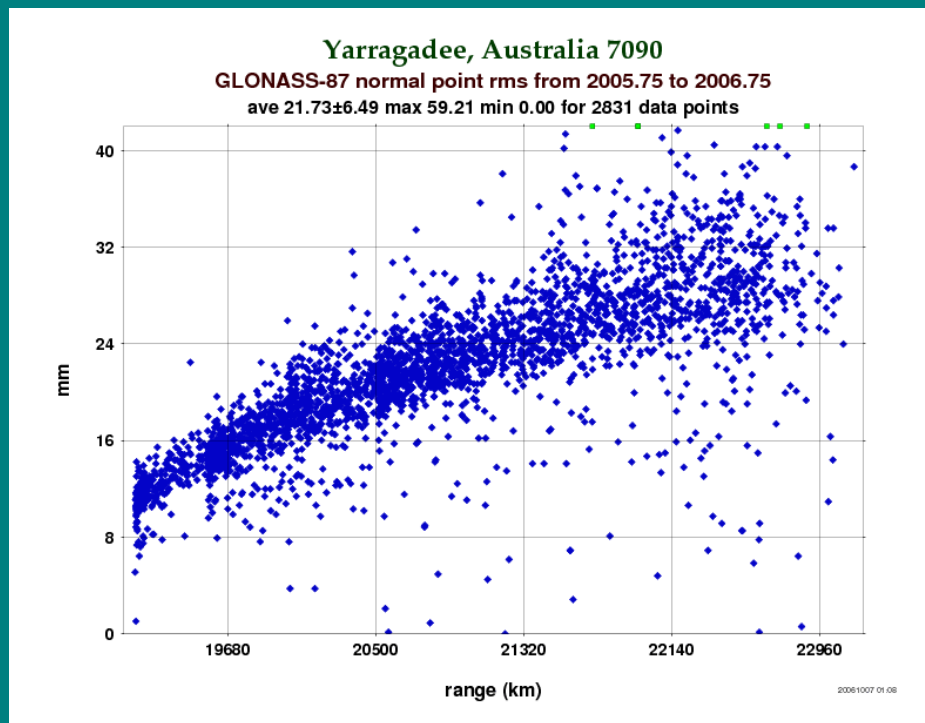
Function of satellite range?



Function of satellite range?

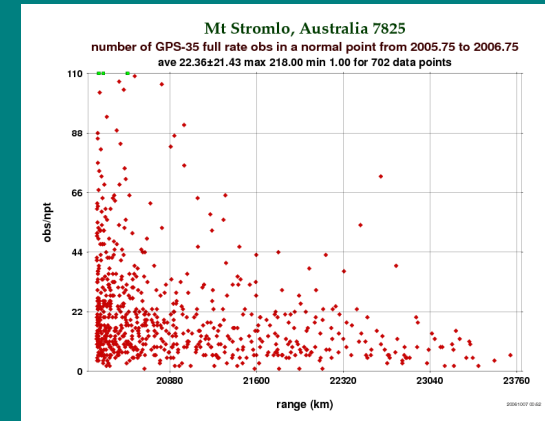
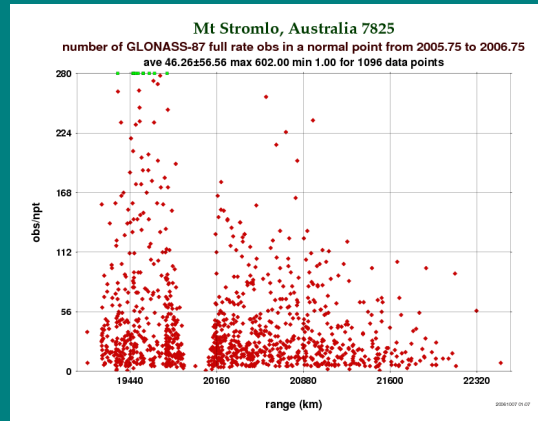
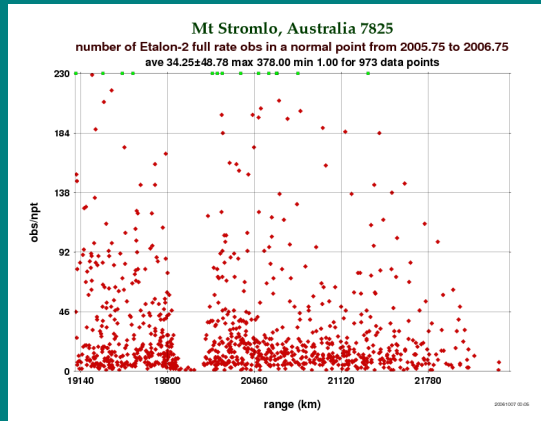
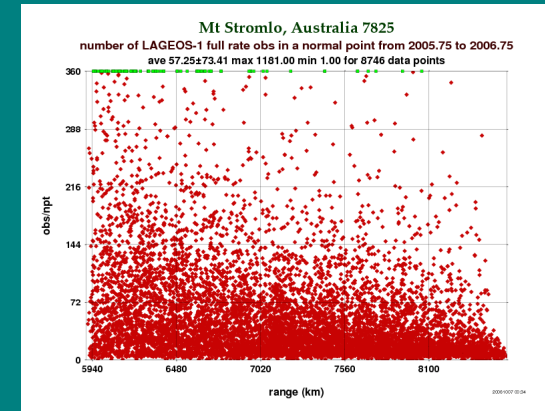
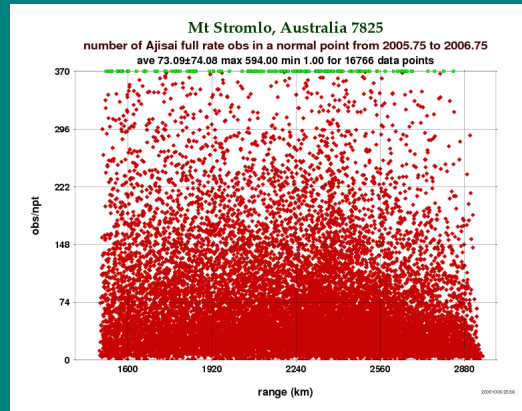
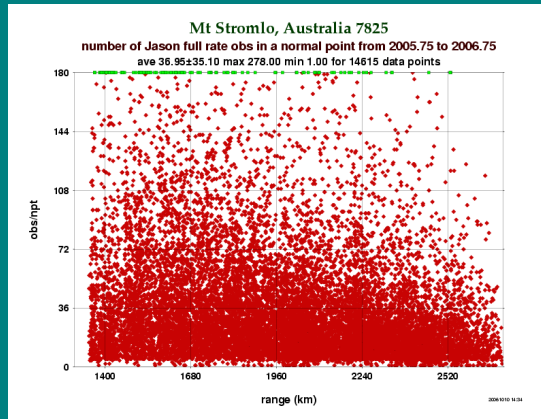


Function of satellite range, or ..?



CoM see: http://ilrs.gsfc.nasa.gov/cgi-bin/satellite_missions/select.cgi?sat_code=GL88&sat_name=GLONASS-88&tab_id=com

Function of satellite range?



Summary

Consult terra.sgt-inc.com/ilrs for your favorite stie.