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JCET Web Tools for the Assessment of the ILRS Network's Performance

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Abstract

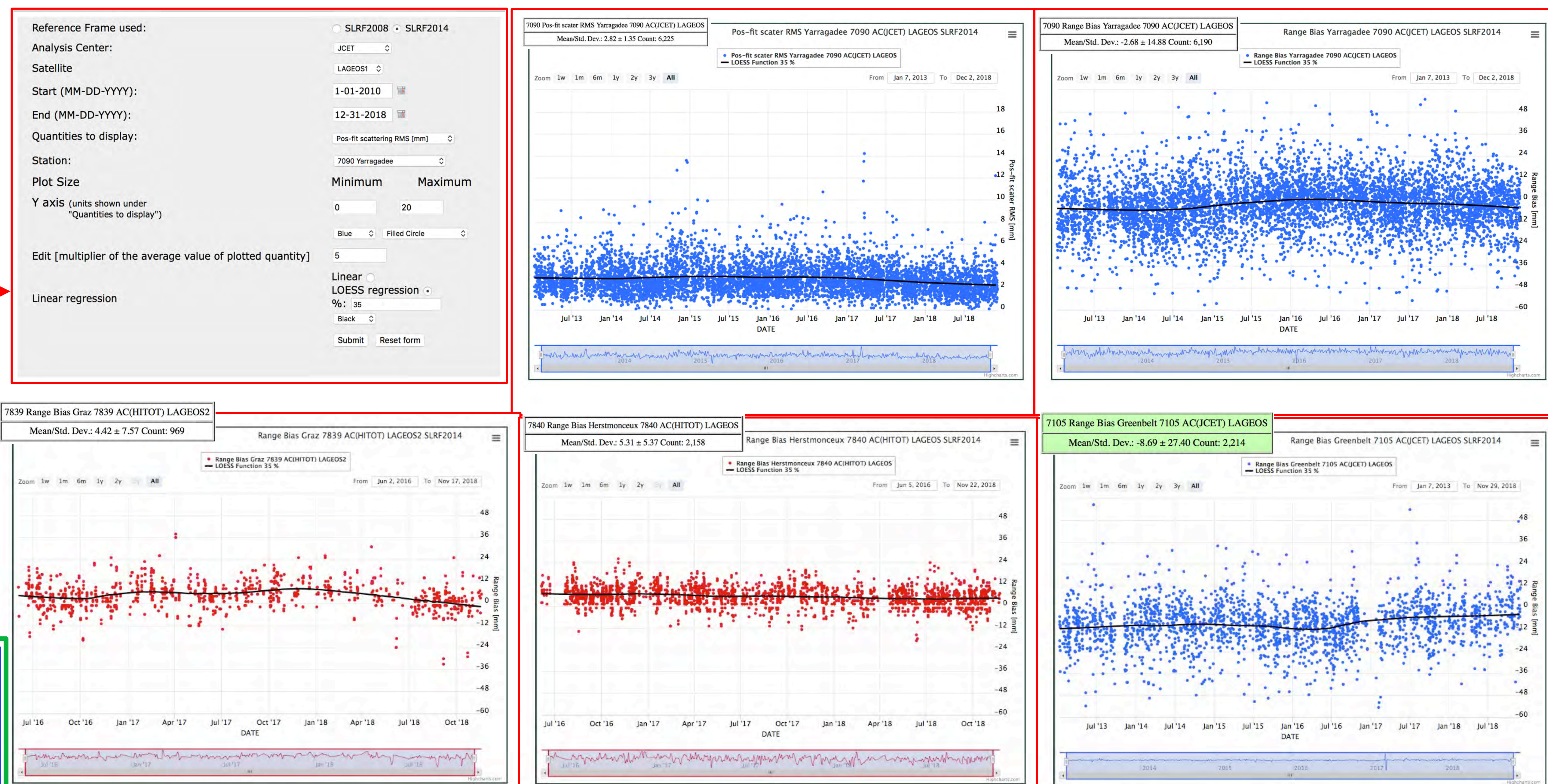
We present, discuss and demonstrate web-accessed tools developed at JCET using the products of the ILRS Analysis and Associate Analysis Centers (AC & AAC) to aid stations, missions and analysts assess the performance of the ILRS network. The ILRS generates a wealth of analysis products that can be used to evaluate the performance of the systems providing the SLR data from which the products themselves are derived. Of interest to SLR data and products users, and in particular, to station operators, are the time series of station position evolution (e.g. detecting unexpected discontinuities), offsets from the current ITRF model (e.g. for monitoring stability at each site), and the time series from continuous monitoring and measurement of the systematic errors (since the stability and small magnitude of which characterize the best stations). This presentation will highlight the various ways that JCET uses these products, and it will introduce the web portal from which users can access these diagnostic tools. Detailed example sessions can be demonstrated to interested users.

JCET Portal to Access ILRS Web Tools & Information

http://geodesy.jcet.umbc.edu/ILRS_AWG_MONITORING/

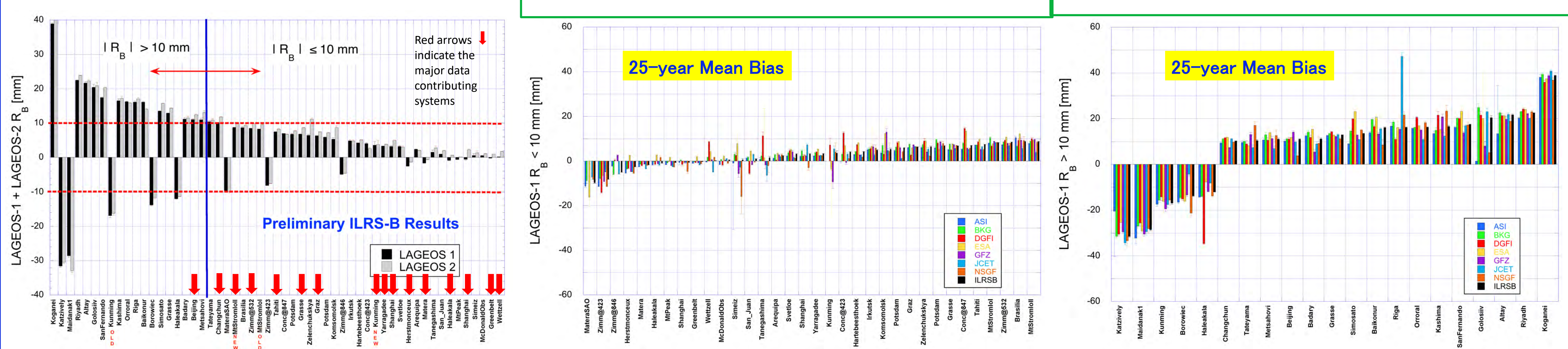
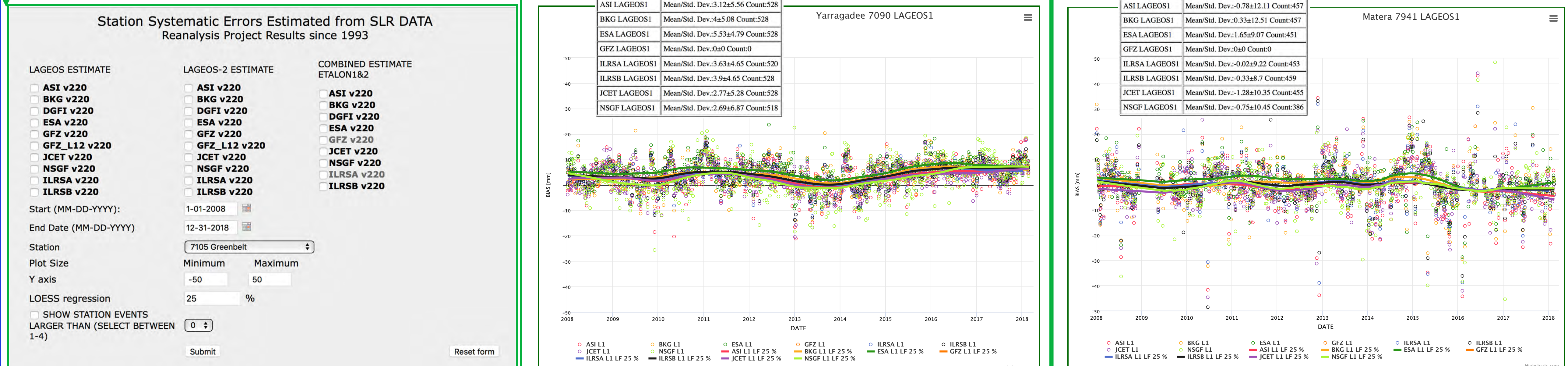
Daily and Sub-daily Updated QC Metrics from Several ILRS Analysis Centers

Pass-by-pass Systematics and Measurement Noise Level Monitoring

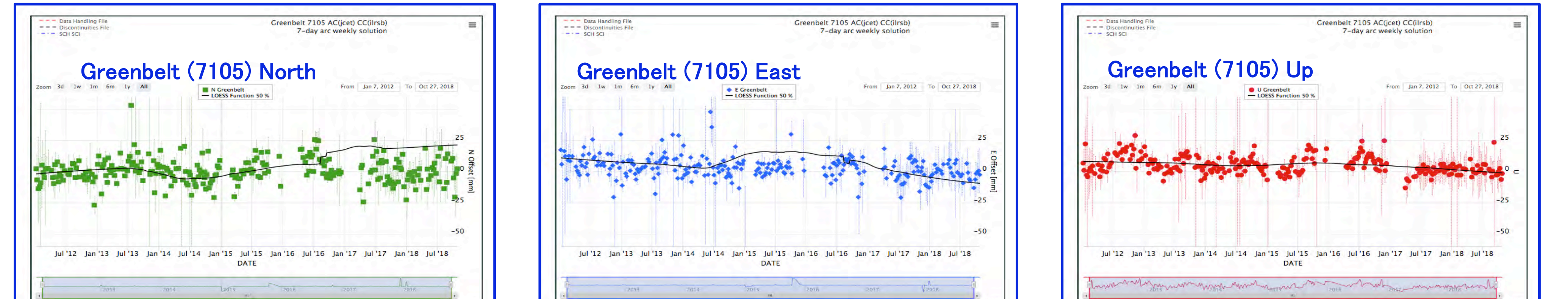


Station Systematic Error Monitoring (SEM) Pilot Project

Freely Adjusted Systematics and Reference Frame with a Weekly Resolution



Evaluation of ILRS ASC 7-day Arc Products



Visualization of Quarterly and Monthly ILRS Report Cards

