Detection of various SLR systematic errors for mm accuracy

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This is one of the collaboration researches conducted during Otsubo’s stay at Herstmonceux, May-August 2016.
Alert messages sent during the past 12 months:
10 from HIT-U, 5 from DGFI
archived at http://rapidservicemail.dgfi.tum.de/

<table>
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<tr>
<th>sat</th>
<th>orbit fit</th>
<th>WRMS in mm</th>
<th># pass/# NP</th>
<th>1st site(ID)</th>
<th># pass/# NP</th>
<th>2nd site(ID)</th>
<th># pass/# NP</th>
<th>3rd site(ID)</th>
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</table>

and more satellites (GNSS and LEO) are included in the reports!!
Suspect your calibration!

Your system delay varying in time? It can be a major error source.
A huge variety charts on station performance are available at:
• Clinic Session
• ILRS NESC Forum http://sgf.rgo.ac.uk/forumNESC
by which the following issues could be thought as your homework:
• Pass coverage
• Intensity dependence, Full-rate tail clipping
• Day/Night difference
• Validity & stability of system delay
• (and more)

Try to detect & remove any systematic biases.
Pay attention to long-term stability (not much to single-shot RMS during a single NP or pass).