

Main reasons of the RB&TB differences:

- Different SLR stations coordinate sets (for new stations)
- Differences in the “bad” points rejection procedures
- Differences in the final precise orbits
- Incorrect attempts to interpret the measurement residuals as function of RB&TB

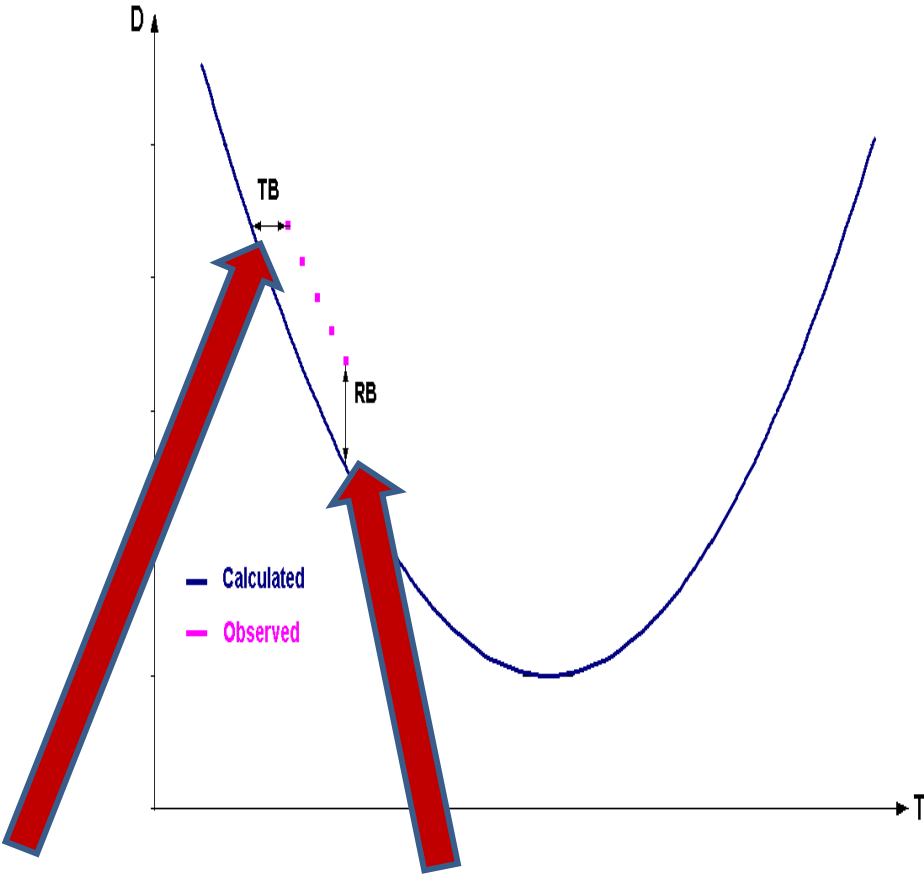


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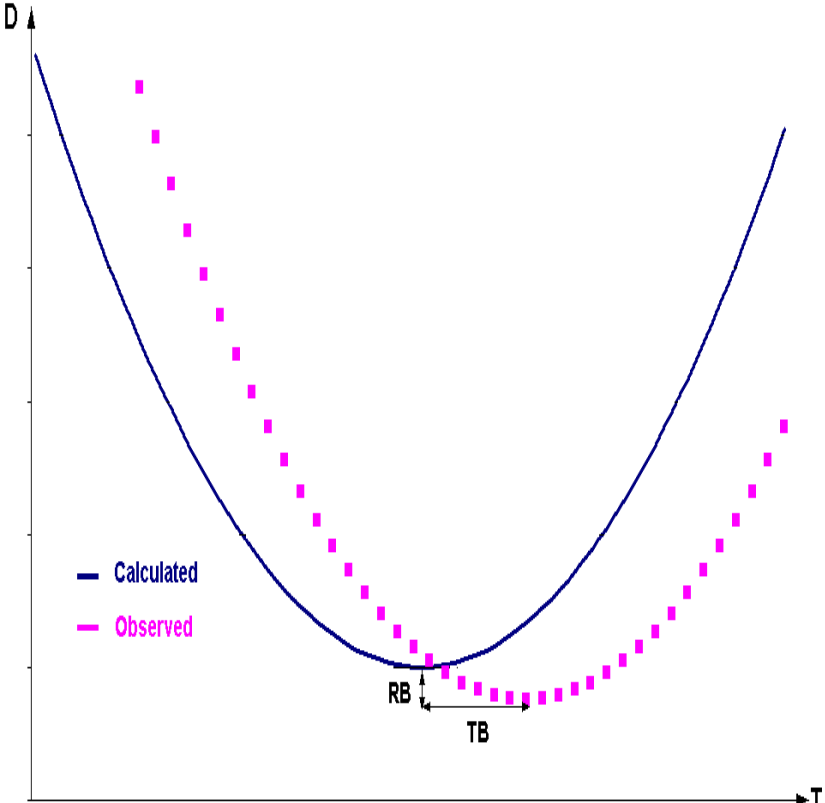


ILRS Technical Symposium
Matera, 2015

RB and TB estimation procedure (IAC PNT)



**Ambiguous results for the short passes
(results are incorrect)**



**Precise results for the long passes
(results are correct)**



Tracking recommendations for stations (if you need the correct RB&TB estimation):

- Both ascending and descending branches tracking (**Especially for calibration**);
- Min 10-minutes session duration **for both LAGEOSes**;
- Min 20 deg elevation;
- As much passes duration as possible (**especially for calibration and precise TB and RB estimation**).



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Recommendations for Analysis Centers:

- Agreement of the stations coordinates sets (for the new stations especially);
- Separation of the short and long (calibrating) passes estimation; (use the long passes for the correct RB&TB estimation)
- Timely and quickly contacts with other and main (???) Analysis Centers in the case of necessity
- To coordinate the final RB&TB estimation from ILRS