

Processing Plan, ITRF2013

IDS Analysis Working Group Meeting

Greenbelt, Maryland

October 14-15, 2013



Proposal



- 1. We agree to apply Starec and Alcatel phase laws, if it is possible within the various POD softwares, *since (a) this follows from principle that we make a reasonable attempt to model better electronic phase center for DORIS technique; (b) POD tests seem to indicate improvement when phase law applied; (c) Behavior in combination seems understood.* AC's who do apply the phase law, should deliver at least two sample years (1995, 2011?) so that application can be tested and verified by Combination Center.**

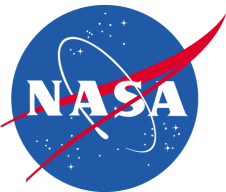
- 2. Jason-1: We leave to AC's decision as to include satellite or not. If satellite is included, the following steps should apply:**
 - A.** Apply downweighting for Jason-1/SAA stations at the least. (e.g. H. Capdeville strategy, downweight SAA stations by 10X in POD)
 - B.** If feasible exclude Jason-1/SAA stations from weekly combination.
 - C.** Recommended period: November 2004 – July 2008.
 - D.** Use Jason-1 (SAA) DORIS data.
 - E.** If data from first DORIS oscillator processed (Jan 2002 – June 2004) – verify separately with combination center that solution in that time frame is not deleteriously affected by inclusion of data from first Jason1 DORIS oscillator



Proposal



4. AC's prioritize remaining (critical) work items. Identify as soon as possible any major problems, or places where data or models might need last minute fixes or external information is required.
5. AC's that have not done so send to DSC/FL their empirical acceleration amplitudes to allow inter-center comparisons of status of non-conservative force modelling, and detect any large errors.
 1. GOP: Results from 1995/2011 tests?
 2. ESA: Latest pre-phase law series?
 3. IGN:?
6. The AC's that can aim to deliver as soon as is practical a complete series. Can 2-3 Acs deliver a series with phase law applied (or not) by December? (ESA, GSC, LCA)? If not full series a partial series (2002-2013)?



Proposal



6. (Continued). This allows IDS Combination to create a preliminary combination – work on verifying discontinuities.
7. Delivery of final series by mid-January? Maybe Acs can deliver their series 3 years at a time to combination center?
8. Can SPOT-5 SAA data for (Jan-July 2013) be made available as soon as possible? (Allows some ACs) to start on 2013 combinations?
9. AC's prioritize remaining work items. All AC's should remember: sometimes **“Better is the enemy of good.”** We might not be able to make all changes/improvements/additions that we would want.