

ITRF 2013 Processing Status

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- This presentation will give an overview of the ESA ITRF2013 status as well as a brief summary of the ESAwd10 solution.
- ESAwd10 solution is the ESA contribution to the IDS ITRF2013 solution a full description of the used models and satellites can be found on the IDS website at the following link:
<http://ids-doris.org/contribution-itrf2013.html>
- For this meeting a first solution has been submitted to Guilhem that covers the period from 1993 – 2012 (inclusive)

- The major upgrades (since last meeting in San Diego) in preparation for ITRF2013 have been:
 - Starec and Alcatel phase law correction applied
 - Inclusion of Jason-1 from 2002 until launch of Jason-2
 - new SAA corrected data for Jason-1 and Spot-5 (>2006)
- ESAwd10 uses IERS2010 Conventions, EIGEN-6S2 for gravity and for tides EOT11a
- Includes all DORIS data up to 7 degrees
- Before 2002 no down-weighting and no atmospheric gradients after 2002 $\sin(\text{elevation})$ for down-weighting and one daily atmospheric gradient in North and East
- All DORIS satellites expect SARAL/ALTIKA

For this meeting the period from 1993 to 2012 (inclusive) has been processed and send to Guilhem for analysis

- The year 2013 (finished before April 2014)
- Days with high solar activity to be reprocessed
- Weeks identified by Guilhem with very high helmert parameters to be analyzed
- Last two points to be done in April 2014
- Plan to finish all ITRF2013 processing before end of April 2014

Thank you



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