AWG Discussions / Action Item Review

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AWG DISCUSSIONS

Standards/Model
Choice of the mean pole model (JM. Lemoine)
Others

Scale issues
- on SPOT-5 (sawtooth pattern) / Spot attitude
- HY-2A high scale: adopt the value of COM estimated by IGN and CNES POD
- estimation of the DORIS CoP position for all DORIS satellites
- impact of using in the doris2.2 data file:
        the corrections of CoP-CoM
        the flagged data (from CNES pre-processing)
tests of IGN and GOP in progress
- which elevation cut off, tropospheric model + mapping function, downweighting law
- provide to IDS CC a solution without scale jump

DORIS RINEX data processing status

Inclusion of Jason-3 and Sentinel-3A in the multi-satellite solution

Strategy to minimize the SAA impact on the positioning for Jason-2 and Jason-3:
Rename of the SAA stations in the multi-satellite solution
Adjust frequency biais+drift

When switch to ITRF/DPOD2014 for operational products

Action Item Review

Action	Title	Description	who	date	status
AWG_01	SPOT5 scale issue	provide the list of suspect attitudes for SPOT satellites (apart from 2011).	F. Lemoine		open
AWG_02		plot histogram of residuals for SPOT-4/5, JASON-2 and CRYOSAT-2. See if the center moves according to the elevation	Volunteer ACs		open
AWG_03	Tropespheric gradient	Ask Michiel whether he does multi-sat or single-satellite gradient estimation	Analysis Coordinators		open
AWG_04		Check when GOP AC has problems in the SRP estimation (Saral and Cryostat-2) if it could be related to an event	GOP AC		open
AWG_05	HY-2A informations	CNES has to contact Chinese agency to have information in particular for the CoP DORIS position. The goal is to obtain information by showing results of HY-2A of scale factor for example. They could also ask if they have GPS-only orbits.	P. Ferrage		open
AWG_06	ITRF2014 processing	IDS BC invites ACs to check the information given in the Table on the IDS website at http://ids-doris.org/contribution-itrf2013.html. The table was filled in before it was decided to include year 2014 for the ITRF.	All ACs		open
AWG_07	Next DPOD2014	concerning the next DPOD 2014, two approaches will be compared by G. Moreaux and a version of the DPOD2014 will be submitted to the evaluation of the users by the end of June 2016	IDS CC (G. Moreaux)		open
AWG_08	DORIS data SAA corrective model for Jason-2	GRG AC is volunteer to test the model of AB for Jason-2 to analyze its impact on the position estimation of SAA stations	GRG AC		open
AWG_09	Increase of the DORIS residuals	Analysis Coordinators require the ACs who are willing to participate to provide their time series of DORIS measurement residuals since 2011.0 for each satellite available	Volunteer ACs and associated		open
AWG_10	HY-2A CoM-CoP vector estimation	GSFC, CNES-POD, GRG, INA and IGN have agreed to make a multi-year determination of the HY-2A radial offset	GSFC, GRG, IGN and INA ACs and CNES-POD team		open
AWG_11	Scale factor increase in 2012	IDS CC has to confirm by analyzing all the AC contributions that only AC not using the flagged data in the doris2.2 file (from CNES pre-processing) are impacted	IDS CC		open
AWG_12	Scale factor increase in 2012	ACs could provide a Jason-2 single satellite solution obtained from processing using homogeneous editing criteria since 2011 (i.e. not relying on the CNES editing flags in the doris2.2 file). Then, if the problem is solved for Jason-2, it has been decided to reprocess all data using these homogeneous editing criteria for the whole period of each satellite having data in 2012	ACs		open
AWG_13	Orbit comparison	On voluntary basis and for test purpose (maybe not on regular basis), ACs and associated may deliver their sp3 orbit to the CDDIS/IGN data centers in the appropriate directory: ftp://cddis.gsfc.nasa.gov/pub/doris/products/orbits/	Volunteer ACs and associated		open