

IDEAS+ Daily Report for IOP data:

<u>16/11/2017</u>



		1. Overview		
	00 D	Check	L1 & L2	P2P
port Production:	08-Dec-2017	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
rocessor Used:	CriveSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
ocessor Usea:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal
Data USeu.	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	Nominal	Nominal
		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
		Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.
		Ocean Retracking Quality Check	See Section 5.8	See Section 6.8
sion / Instrument Ne	ws			
5-Nov-2017 None 6-Nov-2017 None				
7-Nov-2017 Nothing p	planned			
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3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL - A

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SIRAL instrument(s) in use:

4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

4.3 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

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Number of products with errors:

4.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

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CS_QFH_SB_QFH_SCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	CS_OFFL_SIR_IOPR1B_20171116T030822_20171116T030957_C001	Attitude correction missing	The attitude has not been corrected
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C6, OFH_SR, OPH8, 201111610964, 2011116109047, 0001Athade correcton means the athade has not been correctedC6, OFH_SR, OPH8, 2011111019214, 2011116100240, 0010Athade correcton means C6, OFH, SR, OPR8, 2011116100260, 20101Athade correcton means the athade has not been correctedC6, OFH_SR, OPH8, 20111116100260, 20111116100260, 0010Athade correcton means the athade has not been correctedC6, OFH_SR, OPH18, 20111116100260, 20111116100260, 0010Athade correcton means the athade has not been correctedC6, OFH_SR, OPH18, 201111161002764, 2011116100260, 0010Athade correcton means the athade has not been correctedC6, OFH_SR, OPH18, 201111161002764, 2011116100260, 0010Athade correcton means the athade has not been correctedC6, OFH_SR, OPH18, 20111116100260, 20111161002600, 0010Athade correcton means the athade has not been correctedC6, OFH_SR, OPH18, 201111161002600, 20111161002600, 0010Athade correcton means the athade has not been correctedC6, OFH, SR, OPH18, 201111161002600, 2011Athade correcton means the athade has not been correctedC6, OFH, SR, OPH18, 201111161002600, 2011Athade correcton means the athade has not been correctedC6, OFH, SR, OPH18, 2011111611002600, 2011Athade correcton means the athade has not been correctedC6, OFH, SR, OPH18, 2011111611002600, 2011Athade correcton means the athade has not been correctedC6, OFH, SR, OPH18, 2011111611002600, 2011Athade correcton means the athade has not been correctedC6, OFH, SR, OPH18, 2011111611002600, 2011Athade correcton means the athade has not been correctedC6, OFH, SR, OPH18, 20111116110102600, 2011At	CS_OFFL_SIR_IOPR1B_20171116T041802_20171116T042022_C001	Attitude correction missing	The attitude has not been corrected
C6. OFTL_SRI_OPH18_201711161705191_2017111617052040_0001 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_2017111057053_2017111607064_0001 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_20171110570706_0001 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_20171110570706_0001 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_20171110570706_0011 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_2017111057076_01711017070706_0011 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_20171110170706_00101 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_20171110170706_00101 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_20171110170706_00101 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_20171110170706_00101 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_2017111017062_0011 Attude consider missing The attude has not been consolid C6. OFTL_SRI_OPH18_2017111017062_0011 Attude consolid missing The attude has not been consolid <	CS_OFFL_SIR_IOPR1B_20171116T042806_20171116T043023_C001	Attitude correction missing	The attitude has not been corrected
CG_OFFL_SR_OFFRB_20171116705422_20171116705432_001 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_20171110704432_0011 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_2017111070542_00111 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_2017111070742_0011 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_2017111070742_0011 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_20171110707432_0011 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_20171110707432_0011140714432_001 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_20171110711452_0171116710522_001114116714525_001 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_201711111711471422_01711167114525_00111167125_001 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_201711111711471252_01711167115725_00111167125_001 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_20171111671252_01711167115732_001 Alkade correction missing The athabe has not been corrected CG_OFFL_SR_OFFRB_20171111671252_01711167115732_001 Alkade correction missing The athab	CS_OFFL_SIR_IOPR1B_20171116T050515_20171116T050647_C001	Attitude correction missing	The attitude has not been corrected
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Cd_GFF_SR_UGPRIB_20171116706444_2017116706440_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_2017116707742_017116707044_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171167077440_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171116707440_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171116707440_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171116707440_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171116707440_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_2017111670542_20171116710915_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171116710552_201711167109152_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171116710552_20171116710522_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171116710524_20171116710523_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171116710524_20171116712352_001 Athade correction missing The athade has not been corrected Cd_GFFL_SR_UGPRIB_20171116712447_20171116712352_001 Athade correction missing The athade ha	CS_OFFL_SIR_IOPR1B_20171116T054221_20171116T054330_C001	Attitude correction missing	The attitude has not been corrected
GS_OFFL_SIR_IOPRIB_2017111670734_20171116707344_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_2017111670734_20171116704540_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_2017111670234_20171116704510_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_20171116704514_20171116704510_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_20171116704514_20171116704510_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_201711167052_20171116710451_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_201711167052_20171116710452_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_20171116710452_001711167114520_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_20171116711452_001711167114520_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_201711116712402_0171116712350_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_20171116712402_0171116712350_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_2017111671340_0171116713340_001 Attude correction missing The atthude has not been corrected GS_OFFL_SIR_IOPRIB_20	CS_OFFL_SIR_IOPR1B_20171116T055735_20171116T060353_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPRIB_2017116170746_201711161707460_C011 Attlude correcton missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161703912_20171116170440_C011 Attlude correcton missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161703204_201711161703264_C011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161703204_201711161703264_C011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161703204_201711161703264_C011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161703204_201711161703264_C011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161710523_20171161710520_C011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161710523_C0111461710523_C011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_2017111617135247_20171161713525_C011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161713547_20171161713530_C011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161713547_20171161713530_C011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_20171116171354	CS_OFFL_SIR_IOPR1B_20171116T064446_20171116T064640_C001	Attitude correction missing	The attitude has not been corrected
Call OPRIL	CS_OFFL_SIR_IOPR1B_20171116T065902_20171116T070048_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_OPRIB_20171161708208_201711161708268_0001 Attlude correcton missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_20171161708208_201711161708268_0001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711617010632_201711161708260_0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_2017116170204_20171116170826_0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_20171161708204_201711617016202_0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_20171161710820_20171161710822_0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_20171161710823_201711161710822_0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161710824_201711161710822_0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161710820_20171161710820_0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161710822_201711161710820_20011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161710822_201711161710820_20011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_OPRIB_201711161710822	CS_OFFL_SIR_IOPR1B_20171116T073746_20171116T073843_C001	Attitude correction missing	The attitude has not been corrected
GS_OFFL_SIR_JOPR1B_201711107082304_20171110708200_C010 Attlude correction missing The attlude has not been corrected GS_OFFL_SIR_JOPR1B_20171110708164_20171110708200_C010 Attlude correction missing The attlude has not been corrected GS_OFFL_SIR_JOPR1B_20171110710823_201711107108250_C011 Attlude correction missing The attlude has not been corrected GS_OFFL_SIR_JOPR1B_20171110710825_201711107108250_C011 Attlude correction missing The attlude has not been corrected GS_OFFL_SIR_JOPR1B_20171110710825_20171110710825_C011 Attlude correction missing The attlude has not been corrected GS_OFFL_SIR_JOPR1B_2017110711852_201711107113825_C011 Attlude correction missing The attlude has not been corrected GS_OFFL_SIR_JOPR1B_20171107113825_20171107113825_C011 Attlude correction missing The attlude has not been corrected GS_OFFL_SIR_JOPR1B_201711111111111111111111111111111111111	CS_OFFL_SIR_IOPR1B_20171116T073912_20171116T074406_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_OPR18_20171187108164_20171187109260_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_2017118710932_2017118710926_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_2017118710925_2017118710926_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118710925_20171187114628_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118711628_20171118711928_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118711824_20171118711928_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118713247_20171118713285_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118713247_20171118713285_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118713247_20171118713285_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118713824_20171118713826_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118715824_20171118715826_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118715824_20171118715824_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118715824_20171118715824_C001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_OPR18_20171118715824_20171118715824_C001Attlude correction missingThe attlude ha	CS_OFFL_SIR_IOPR1B_20171116T080738_20171116T081314_C001	Attitude correction missing	The attitude has not been corrected
GS_OFFL_SRL_OPR1B_20171116T101632_02171116T10261C_0011 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T10230_20171116T10255_00011 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T10525_20171116T10525_00011 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T11525_20171116T11525_00011 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T12340_20171116T112355_0001 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T12340_20171116T123555_0001 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T13240_20171116T132805_0001 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T13340_20171116T132805_0001 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T13340_20171116T133805_0001 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T15072_0011116T15072_0001 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T15072_001116T15072_0001 Attlude correction missing The attlude has not been corrected GS_OFFL_SRL_OPR1B_20171116T15072_001116T15072_0001 Attlude correction missing The attlude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T082304_20171116T082606_C001	Attitude correction missing	The attitude has not been corrected
CS_OFF_SR_JOPR1B_20171116T10230_20171116T10255_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T10252_1071116T110252_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T11452_20171116T11452_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T11553_20171116T115332_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T13247_20171116T115325_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T13247_20171116T13250_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T13247_20171116T13250_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T13247_20171116T13250_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T15022_20171116T150502_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T15072_001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T15072_001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T15072_001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T15082_0011116T15080_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20171116T15082_0011116T15080_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_JOPR1B_20	CS_OFFL_SIR_IOPR1B_20171116T091646_20171116T092604_C001	Attitude correction missing	The attitude has not been corrected
CS_OFF_SR_OPR18_20171116T10525_20171116T116325_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T11611542_20171116T11632_20011Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T116542_20171116T116325_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T123402_20171116T123555_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T123402_20171116T123555_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T123402_20171116T13255_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T13240_20171116T13205_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T13401_20171116T13340_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T1515052_20171116T150592_0011Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T1515052_20171116T150592_0011Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T151525_20171116T150592_0171116T1	CS_OFFL_SIR_IOPR1B_20171116T101632_20171116T101911_C001	Attitude correction missing	The attitude has not been corrected
CS_OFF_SR_OPR18_20171116T114152_20171116T114522_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T115252_00171116T115232_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T1152340_20171116T1123255_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T123402_20171116T123255_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T132402_20171116T12355_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T132402_20171116T132300_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T132427_20171116T150300_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T15032_20171116T150300_0001Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T150372_0011Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T15030_0011Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T161520_20171116T15030_0014Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T16032_00171116T16030_0014Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T16032_0171116T16030_0014Attlude correction missingThe attlude has not been correctedCS_OFF_SR_OPR18_20171116T161322_0171116T16030_0014Attlude correction missingThe attlude has not been corrected <td< td=""><td>CS_OFFL_SIR_IOPR1B_20171116T102304_20171116T102616_C001</td><td>Attitude correction missing</td><td>The attitude has not been corrected</td></td<>	CS_OFFL_SIR_IOPR1B_20171116T102304_20171116T102616_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SR_IOPR1B_20171116T115522_20171116T115522_20171116T115522_20171Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T123247_20171116T115235_2001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T123247_20171116T13285_2001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T13247_20171116T13285_2001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T13200_20171116T132805_2001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T15002_20171116T12000_201Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T15022_20171116T15023_20171116T120304_20171116T120304_20171116T120304_20171116T120304_20171116T120304_20171116T20304_20171116T20304_20171116T20304_20171116T20304_20171116T20304_20171116T20304_20171116T20304_20171	CS_OFFL_SIR_IOPR1B_20171116T105251_20171116T105259_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SR_IOPR1B_20171116T115634_20171116T115932_001Attiude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T123402_20171116T12355S_001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T132402_20171116T132905_001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T13340_20171116T133400_001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T13400_20171116T150050_001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T15002_20171116T150050_001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T150758_20171116T150050_001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T150758_20171116T150050_001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T150202_20171116T15020_001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T15020_20171116T15020_001Attitude correction missingThe attitude has not been correctedCS_OFFL_SR_IOPR1B_20171116T165228_20171116T165236_20171116T165236_20171116T15534_20171116T15	CS_OFFL_SIR_IOPR1B_20171116T114152_20171116T114526_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_JOPR1B_20171116T123552_001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T132807_20171116T132805_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T133800_20171116T133800_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T133800_20171116T133800_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T143827_20171116T150052_0011Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T15078_20171116T150752_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T15078_20171116T15072_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T15072_0171116T15072_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T165028_20171116T15027_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T165028_20171116T165027_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T165028_20171116T165028_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T165028_20171116T165028_0001Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T165028_20171116T162027_0010Attlude correction missingThe attlude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T1671620207_0011Attlude correction missingThe	CS_OFFL_SIR_IOPR1B_20171116T115525_20171116T115623_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_JOPR1B_20171116T132847_20171116T132853_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T132801_20171116T133800_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T133802_20171116T143882_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T153022_20171116T143827_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T150742_20171116T150752_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T150758_20171116T150758_00171116T150752_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T150758_20171116T155020_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T165282_00171116T165282_0011116T165280_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T165282_0171116T165240_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T165282_0171116T165297_0001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T165282_00171116T165292_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T126522_00171116T126522_0011116T165282_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_JOPR1B_20171116T126522_0011116T125292_0001Attitude correction missingThe attitude has not been corrected <t< td=""><td>CS_OFFL_SIR_IOPR1B_20171116T115634_20171116T115932_C001</td><td>Attitude correction missing</td><td>The attitude has not been corrected</td></t<>	CS_OFFL_SIR_IOPR1B_20171116T115634_20171116T115932_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T13201_20171116T13205_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T133410_20171116T133800_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T143827_20171116T150052_C0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T150752_C0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T150752_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T150752_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T150752_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T151532_0011116T15534_0010Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T16238_20171116T16654_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165384_20171116T16654_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T17672_20171116T16654_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T1671542_20171116T16752_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T17642_20171116T19752_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T19645_20171116T19545_0011Attitude correction missingThe attitude has	CS_OFFL_SIR_IOPR1B_20171116T123402_20171116T123558_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T133410_20171116T133800_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T143827_20171116T14308_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T150022_20171116T150058_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T150768_20171116T150758_20171116T150758_20011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T15157_20171116T150804_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T15152_20171116T15304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T15528_20171116T16250_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T16354_20171116T16250_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T16354_20171116T165634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T1617642_20171116T167529_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T19648_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T19304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T19663_20171116T20304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20304_20	CS_OFFL_SIR_IOPR1B_20171116T132847_20171116T132853_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_OPR1B_20171116T143827_20171116T14430B_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T150022_20171116T15005_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T150764_20171116T150752_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T150768_20171116T150804_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T150206_20171116T155340_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T150262_20171116T165340_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T162328_20171116T162507_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T165828_20171116T166834_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T165642_20171116T166834_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T19642_20171116T19203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T19642_20171116T19203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T19642_20171116T120130_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T19063_20171116T20390_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_OPR1B_20171116T20390_20171116T20390_C001A	CS_OFFL_SIR_IOPR1B_20171116T132901_20171116T132905_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPRIB_20171116T150022_20171116T150050_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPRIB_20171116T150762_00711116T150762_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPRIB_20171116T150758_20171116T150804_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPRIB_20171116T1515026_20171116T155206_20171116T155206_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPRIB_20171116T165228_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165226_20171116T165222_20101Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPRIB_20171116T165226_20171116T16522_20171116T16522_20171116T16522_20171116T16522_20171116T16522_20171116T16522_20171116T16522_20171116T16522_20171116T16522_20171116T16522_20171116T16522_20171116T16522_20171116T17522_2001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPRIB_20171116T16T16542_20171116T195203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPRIB_20171116T195232_20171116T195246_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPRIB_20171116T20108_20171116T201920_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPRIB_20171116T20592_0011Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOP	CS_OFFL_SIR_IOPR1B_20171116T133410_20171116T133800_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T150746_20171116T150752_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T150756_20171116T151820_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T151157_20171116T151820_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T155206_20171116T155340_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165232_20171116T165267_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165282_20171116T165634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165628_20171116T165634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T175642_20171116T175729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T195729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T195729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T195729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T19529_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T205729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20580_20171116	CS_OFFL_SIR_IOPR1B_20171116T143827_20171116T144308_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116715058_20171116715080_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116715157_201711167151530_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116715202_20171116715530_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_201711167162328_201711167162507_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_201711167163854_201711167164005_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116716562_20171116716563_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_201711167118674_2001711167175729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_2017111671181747_20171116711912023_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_201711167191642_201711167195846_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116719565_201711167195846_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116720108_20171116720305_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116720308_200171116720529_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116720590_20171116720572_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116720500_201711167205720_	CS_OFFL_SIR_IOPR1B_20171116T150022_20171116T150050_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T15157_20171116T151820_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T155026_20171116T155340_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T162328_20171116T165207_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165854_20171116T165634_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165626_20171116T165634_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T175642_20171116T175729_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T181747_20171116T181911_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T19203_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T2018_20171116T2034_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20327_20171116T203905_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T203904_20171116T205918_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205904_20171116T205918_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205904_20171116T23837_C001Attilude correction missingThe attilude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T22918_20171116T223494	CS_OFFL_SIR_IOPR1B_20171116T150746_20171116T150752_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T155026_20171116T155340_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T162328_20171116T162607_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165626_20171116T165634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165626_20171116T165634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T175642_20171116T175729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T181747_20171116T181911_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T1915633_20171116T195846_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T201302_201701Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T201302_201701Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20327_20171116T20305_2001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20504_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T2304_20171116T23337_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T23298_20171116T23249_2001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T23249_20171116T23349_C001Attitude corre	CS_OFFL_SIR_IOPR1B_20171116T150758_20171116T150804_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T162322_20171116T162507_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T163854_20171116T166634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165626_20171116T165634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T175642_20171116T175729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T181747_20171116T181911_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T19203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T195633_20171116T195864_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T19563_20171116T19203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20138_2071116T20304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20327_20171116T20390_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20327_20171116T20590_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T213604_20171116T23599_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T229298_C001Atti	CS_OFFL_SIR_IOPR1B_20171116T151157_20171116T151820_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T163854_20171116T165634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T165626_20171116T165634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T175642_20171116T175729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T181747_20171116T181911_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T19203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T195633_20171116T195846_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20138_20171116T201304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20237_20171116T202905_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T204950_20171116T205729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20504_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T22918_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T23	CS_OFFL_SIR_IOPR1B_20171116T155026_20171116T155340_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T165626_20171116T165634_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T175642_20171116T175729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T181747_20171116T181911_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T19203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T195653_20171116T195846_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T201018_20171116T201304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T202327_20171116T202905_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T204950_20171116T20579_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T213604_20171116T213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T22918_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T	CS_OFFL_SIR_IOPR1B_20171116T162328_20171116T162507_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T175642_20171116T175729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T181747_20171116T181911_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T19203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T195653_20171116T195846_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20108_20171116T20304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T202327_20171116T202905_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T204950_20171116T20592_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T20504_20171116T20598_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T213604_20171116T213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T2298_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T23181	CS_OFFL_SIR_IOPR1B_20171116T163854_20171116T164005_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T181747_20171116T181911_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T191642_20171116T192203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T195653_20171116T195846_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T201018_20171116T201304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T202327_20171116T202905_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T204950_20171116T205729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T22918_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T23111_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T165626_20171116T165634_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T191642_20171116T192203_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T195653_20171116T195846_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T201018_20171116T201304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T202327_20171116T202905_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T204950_20171116T205729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T22918_20171116T223494_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_2017111	CS_OFFL_SIR_IOPR1B_20171116T175642_20171116T175729_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T195653_20171116T195846_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T201018_20171116T201304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T202327_20171116T202905_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T204950_20171116T205729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T213604_20171116T213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T22918_20171116T223499_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T22349_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T181747_20171116T181911_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T201018_20171116T201304_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T202327_20171116T202905_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T204950_20171116T205729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T213604_20171116T213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T22918_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T191642_20171116T192203_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T202327_20171116T20905_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T204950_20171116T205729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T213604_20171116T213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T22918_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T195653_20171116T195846_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_201711167204950_201711167205729_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_201711167205804_201711167205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_201711167213604_201711167213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116722918_201711167223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_201711167224055_201711167224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_201711167231355_201711167231811_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_201711167231355_201711167231811_C001Attitude correction missingThe attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T201018_20171116T201304_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T213604_20171116T213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T222918_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T202327_20171116T202905_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T213604_20171116T213837_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T222918_20171116T223549_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001Attitude correction missingThe attitude has not been correctedCS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001Attitude correction missingThe attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T204950_20171116T205729_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T222918_20171116T223549_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T213604_20171116T213837_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T222918_20171116T223549_C001	Attitude correction missing	The attitude has not been corrected
	CS_OFFL_SIR_IOPR1B_20171116T224055_20171116T224124_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_IOPR1B_20171116T232758_20171116T233147_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_IOPR1B_20171116T231355_20171116T231811_C001	Attitude correction missing	The attitude has not been corrected
	CS_OFFL_SIR_IOPR1B_20171116T232758_20171116T233147_C001	Attitude correction missing	The attitude has not been corrected

Attitude correction missing

4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

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Number of products with errors:

CS_OFFL_SIR_IOPMIB_20171116T034053_20171116T035608_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPMIB_20171116T035809_20171116T040733_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPMIB_20171116T03954_20171116T03954_20171116T031640_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPMIB_20171116T03339_20171116T03303_20171116T15026_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPMIB_20171116T170318_20171116T15026_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPMIB_20171116T170318_20171116T1230816_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPMIB_20171116T0322_20171116T020816_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPNIB_20171116T04237_20171116T020816_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPNIB_20171116T0322_20171116T020916_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPNIB_20171116T0322_20171116T0322_20101Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPNIB_20171116T03343_20171116T03912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPNIB_20171116T03343_20171116T0344_20171116T0344_20101Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPNIB_20171116T145432_20171116T105442_20171116T105442_20171116T105442_20171116T105442_20171116T105442_20171116T105442_20171116T1	Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20171116T083954_20171116T09101g_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPM1B_20171116T091423_20171116T091646_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPM1B_20171116T07318_20171116T170338_20171116T170733_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPM1B_20171116T073012_20171116T07031_20011Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPM1B_20171116T07438_20171116T020013_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T02023_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T045814_20171116T050222_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T04581_20171116T060242_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T04581_20171116T00342_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T07324_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T05342_20171116T0343_20171116T03912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T05342_20171116T104511_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T05342_20171116T14545_C001Loss of EchoThe tracking echo is missing for one or more records<	CS_OFFL_SIR_IOPM1B_20171116T034053_20171116T035608_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20171116T091443_20171116T091646_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPM1B_20171116T17033_20171116T170733_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPM1B_20171116T170318_20171116T170733_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPM1B_20171116T015439_20171116T020013_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T020013_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T042546_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T042546_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T045814_20171116T05022_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T045814_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T0343_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T05342_20171116T05411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14563_20171116T14563_20171116T14563_2001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T145634_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_	CS_OFFL_SIR_IOPM1B_20171116T035809_20171116T040733_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPMIB_20171116T15333_20171116T155026_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPMIB_20171116T17031_20171116T170733_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPMIB_20171116T17031_20171116T1020013_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPMIB_20171116T015439_20171116T020013_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T042546_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T045814_20171116T050222_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T045814_20171116T060353_20171116T060948_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073722_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T105342_20171116T105411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T145634_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T172922_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T104309_20171116T163064_C001Loss of EchoThe tracking echo is missing for one or more recordsC	CS_OFFL_SIR_IOPM1B_20171116T083954_20171116T091019_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20171116T170318_20171116T170733_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPM1B_20171116T230816_2001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T015439_20171116T020013_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T042546_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T04254_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T045814_20171116T050222_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T045814_20171116T060232_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073742_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073742_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073843_20171116T14643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14552_20171116T14643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14552_20171116T14643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14552_20011116T16572_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14309_20171116T165029_C001<	CS_OFFL_SIR_IOPM1B_20171116T091423_20171116T091646_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20171116T230012_20171116T2300816_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T015439_20171116T042437_20171116T042546_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T042437_20171116T042546_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T042437_20171116T050222_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T060353_20171116T06048_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073722_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T05342_20171116T015411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14553_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T0432401_20171116T032400_20171116T032406_C001Loss of EchoThe tracking echo is m	CS_OFFL_SIR_IOPM1B_20171116T153339_20171116T155026_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T015439_20171116T020013_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T042437_20171116T042546_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T045814_20171116T050222_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T060353_20171116T060948_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073722_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T05342_20171116T105411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T105342_20171116T105411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14553_20171116T141643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14553_42_0171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T043201_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T043201_20171116T04522_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1	CS_OFFL_SIR_IOPM1B_20171116T170318_20171116T170733_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T042437_20171116T042546_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T045814_20171116T060928_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T060353_20171116T060948_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073722_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T05342_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T105342_20171116T105411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14535_20171116T141643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T145534_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14309_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T03401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04403_20171116T03420_207011Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_	CS_OFFL_SIR_IOPM1B_20171116T230012_20171116T230816_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T045814_20171116T050222_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T060353_20171116T060948_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073722_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073743_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T07343_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T105342_20171116T105411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14553_20171116T14443_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T145634_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T165634_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T0432401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1	CS_OFFL_SIR_IOPN1B_20171116T015439_20171116T020013_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T0600353_20171116T0600948_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073722_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T105342_20171116T105411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14535_20171116T141643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T165634_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T172922_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T014309_20171116T05006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04432_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04432_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04443_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20171116T042437_20171116T042546_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T073722_20171116T073746_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T105342_20171116T105411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T141535_20171116T141643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T165634_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T165634_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T172922_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04430_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04430_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20171116T045814_20171116T050222_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073912_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T105342_20171116T105411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T14535_20171116T141643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T165634_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T165634_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T0172922_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T01309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04403_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20171116T060353_20171116T060948_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T105342_20171116T105411_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T141535_20171116T141643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T165634_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T172922_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04430_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20171116T073722_20171116T073746_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T141535_20171116T141643_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T165634_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T172922_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04403_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T104403_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20171116T073843_20171116T073912_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T165634_20171116T165729_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPN1B_20171116T172922_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T04403_20171116T04452_C001Loss of EchoThe tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20171116T105342_20171116T105411_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20171116T172922_20171116T173435_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T014309_20171116T015006_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_IOPR1B_20171116T104403_20171116T104452_C001Loss of EchoThe tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20171116T141535_20171116T141643_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20171116T014309_20171116T015006_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPR1B_20171116T104403_20171116T104452_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20171116T165634_20171116T165729_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_IOPR1B_20171116T104403_20171116T104452_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_IOPN1B_20171116T172922_20171116T173435_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20171116T104403_20171116T104452_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_IOPR1B_20171116T014309_20171116T015006_C001	Loss of Echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_IOPR1B_20171116T032401_20171116T032906_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFEL_SIR_IOPR1B_20171116T151157_20171116T151820_C001	CS_OFFL_SIR_IOPR1B_20171116T104403_20171116T104452_C001	Loss of Echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_IOPR1B_20171116T151157_20171116T151820_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20171116T165729_20171116T165821_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_IOPR1B_20171116T165729_20171116T165821_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_IOPR1B_20171116T205804_20171116T205918_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors:

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767). Number of products with errors:

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 78

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20171115T234907_20171116T000451_C001		The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T001027_20171116T001535_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T002231_20171116T005755_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T012016_20171116T012447_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T012532_20171116T014309_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOPM_2_20171116T015242_20171116T015439_C001 CS_OFFL_SIR_IOPM_2_20171116T020210_20171116T021900_C001 CS_OFFL_SIR_IOPM_2_20171116T022342_20171116T023518_C001 CS_OFFL_SIR_IOPM_2_20171116T025040_20171116T030822_C001 CS_OFFL_SIR_IOPM_2_20171116T030957_20171116T032401_C001 CS_OFFL_SIR_IOPM_2_20171116T033146_20171116T033349_C001 CS OFFL SIR IOPM 2 20171116T033451 20171116T033850 C001 CS OFFL SIR IOPM 2 20171116T034053 20171116T035608 C001 CS_OFFL_SIR_IOPM_2_20171116T035809_20171116T040733_C001 CS_OFFL_SIR_IOPM_2_20171116T043023_20171116T044637_C001 CS OFFL SIR IOPM 2 20171116T045258 20171116T045814 C001 CS_OFFL_SIR_IOPM_2_20171116T050949_20171116T051752_C001 CS OFFL SIR IOPM 2 20171116T052049 20171116T053516 C001 CS_OFFL_SIR_IOPM_2_20171116T061017_20171116T061047_C001 CS_OFFL_SIR_IOPM_2_20171116T061117_20171116T064446_C001 CS OFFL SIR IOPM 2 20171116T065105 20171116T065636 C001 CS_OFFL_SIR_IOPM_2_20171116T070048_20171116T072425_C001 CS_OFFL_SIR_IOPM_2_20171116T075621_20171116T080738_C001 CS_OFFL_SIR_IOPM_2_20171116T081314_20171116T082304_C001 CS_OFFL_SIR_IOPM_2_20171116T082748_20171116T082853_C001 CS_OFFL_SIR_IOPM_2_20171116T083036_20171116T083520_C001 CS OFFL SIR IOPM 2 20171116T083954 20171116T091019 C001 CS_OFFL_SIR_IOPM_2_20171116T091423_20171116T091646_C001 CS OFFL SIR IOPM 2 20171116T093011 20171116T100141 C001 CS OFFL SIR IOPM 2 20171116T100945 20171116T101516 C001 CS OFFL SIR IOPM 2 20171116T101911 20171116T102304 C001 CS_OFFL_SIR_IOPM_2_20171116T105411_20171116T105700_C001 CS_OFFL_SIR_IOPM_2_20171116T110858_20171116T114152_C001 CS_OFFL_SIR_IOPM_2_20171116T114847_20171116T115401_C001 CS OFFL SIR IOPM 2 20171116T115932 20171116T121543 C001 CS_OFFL_SIR_IOPM_2_20171116T124517_20171116T132038_C001 CS_OFFL_SIR_IOPM_2_20171116T132430_20171116T132847_C001 CS OFFL SIR IOPM 2 20171116T132905 20171116T133301 C001 CS_OFFL_SIR_IOPM_2_20171116T133800_20171116T141133_C001 CS_OFFL_SIR_IOPM_2_20171116T141249_20171116T141535_C001 CS_OFFL_SIR_IOPM_2_20171116T142623_20171116T143827_C001 CS_OFFL_SIR_IOPM_2_20171116T144308_20171116T144435_C001 CS OFFL SIR IOPM 2 20171116T144437 20171116T150022 C001 CS OFFL SIR IOPM 2 20171116T150228 20171116T150746 C001 CS_OFFL_SIR_IOPM_2_20171116T150804_20171116T151001_C001 CS_OFFL_SIR_IOPM_2_20171116T151820_20171116T153124_C001 CS OFFL SIR IOPM 2 20171116T153339 20171116T155026 C001 CS_OFFL_SIR_IOPM_2_20171116T161303_20171116T162328_C001 CS_OFFL_SIR_IOPM_2_20171116T162507_20171116T163854_C001 CS_OFFL_SIR_IOPM_2_20171116T164154_20171116T164656_C001 CS_OFFL_SIR_IOPM_2_20171116T170318_20171116T170733_C001 CS_OFFL_SIR_IOPM_2_20171116T171239_20171116T171717_C001 CS_OFFL_SIR_IOPM_2_20171116T171840_20171116T172551_C001 CS_OFFL_SIR_IOPM_2_20171116T175729_20171116T181747_C001 CS OFFL SIR IOPM 2 20171116T182209 20171116T182613 C001 CS_OFFL_SIR_IOPM_2_20171116T183327_20171116T190712_C001

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CS_OFFL_SIR_IOPM_2_20171116T193427_20171116T195653_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T200000_20171116T200527_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T200533_20171116T200858_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T201304_20171116T202327_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T202905_20171116T204452_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T210848_20171116T212931_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T213151_20171116T213604_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T214001_20171116T214805_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T215332_20171116T222524_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T223832_20171116T223944_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T230012_20171116T230816_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T230832_20171116T231355_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T231936_20171116T232453_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T233147_20171116T235306_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPM_2_20171116T235552_20171117T000619_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20171116T001535_20171116T001848_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20171116T015006_20171116T015242_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20171116T044657_20171116T045258_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPN_2_20171116T205729_20171116T205804_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20171116T025028_20171116T025040_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20171116T061047_20171116T061117_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOPR_2_20171116T123402_20171116T123558_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 77

Cis_OFFL_SIR_IOPM_2_20171116100491_0001 Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM_2_201711167001027_201711167001535_0001 Ice Backscatter Averaging Status The SWH and Obsan Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711167001223_201711167002555_0001 SWH Ardvarging Status The SWH and Obsan Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711167012632_201711167012447_0001 SWH Ardvarging Status The SWH and Obsan Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711167012632_201711167012430_0001 SWH Ardvarging Status Coean The SWH and Obsan Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711167022142_201711167012430_2001 SWH Ardvarging Status Coean The SWH and Obsan Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116702342_20171116702340_2011 SWH Ardvarging Status Coean The SWH and Obsan Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116703346_20171116703240_C001 SWH Arvarging Status Coean The SWH and Obsan Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116703346_20171116703346_2001 Ice Backscatter Averaging Status The SWH and Obsan Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711116703346_20171116703346_2001 Ice	Product	Test Failed	Description
CS_OFFL_SIR_JOPM_2_20171116100123_20171116100153_0001 Inter Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_201711161012632_20171116101247_0001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_201711161012532_20171116101247_0001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_201711161022342_201711161012532_201711161023518_0001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_201711161022342_201711161022342_201711161023518_0001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20171116102346_201711161023491_0001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_20171116103346_201711161033490_0001 Ice Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_JOPM_2_201711161033461_201711161033490_0001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status CS_OFFL_SIR_JOPM_2_201711161033490_0011 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status The Ice Backscatter Averaging S	CS_OFFL_SIR_IOPM_2_20171115T234907_20171116T000451_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOPM2_20171116100233_00171116100375_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM2_20171116101206_20171116101247_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM2_201711161012532_201711161012532_201711161012900_C001 SWH Averaging Status. Cean The SWH and Ocean Averaging Status Flags have been set for one or Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM2_201711161022342_201711161022342_201711161023518_C001 SWH Averaging Status. Cean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM2_201711161022342_201711161030822_C001 SWH Averaging Status. Cean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM2_201711161030852_201711161030824_C001 SWH Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM2_201711161030851_20171116103346_001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status CS_OFFL_SIR_IOPM2_20171116103465_201711161033460_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status CS_OFFL_SIR_IOPM2_20171116103465_020171116103465_C001 SWH Averaging Status The Ice Backscatter Averaging Status CS_OFFL_SIR_IOPM2_201711161034653_201711116104637_C001 SWH Averaging	CS_OFFL_SIR_IOPM_2_20171116T001027_20171116T001535_C001	Ice Backscatter Averaging Status	
CS_OFFL_SIR_IOPM_2_2017111610216_201711161012440001 Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM_2_201711161012532_201711161014309_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116102201_201711161023518_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161023518_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161023518_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161030852_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116103346_C0011 SWH Averaging Status, Ocean The Ice Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_201711161033451_201711161033560_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116103450_20171116103560_C001 SWH Averaging Status, Ocean The Ice Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116103450_20171116103560_C001 SWH Averaging Status, Ocean The SWH and Ocean A	CS_OFFL_SIR_IOPM_2_20171116T002231_20171116T005755_C001		0 0 0
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CS_OFFL_SIR_IOPM_2_20171116102210_20171116102190_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM_2_20171116T022342_20171116T023518_C001 Backscatter Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T023042_20171116T030822_C001 BWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T030957_20171116T030401_C001 Backscatter Averaging Status The Ioe Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20171116T03346_20171116T033349_C001 Ice Backscatter Averaging Status The Ioe Backscatter Averaging Status CS_OFFL_SIR_IOPM_2_20171116T033451_20171116T033860_C001 Ice Backscatter Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T030580_20171116T036608_C001 BWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T035809_20171116T04733_C001 BWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T043023_20171116T045814_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711116T045258_20171116T045814_C001 SWH Averaging Statu	CS_OFFL_SIR_IOPM_2_20171116T012532_20171116T014309_C001	Backscatter Averaging Status	
CS_OFFL_SIR_IOPM_2_201711161022342_20171116102358_C001 Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM_2_20171116T030822_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T030957_20171116T033490_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T03345_20171116T033850_C001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T03345_20171116T033850_C001 Ice Backscatter Averaging Status The loe Backscatter Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T034053_20171116T033650_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T034053_20171116T046637_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T046372_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T046372_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20171116T045258_20171116T045314_C001 <td>CS_OFFL_SIR_IOPM_2_20171116T020210_20171116T021900_C001</td> <td></td> <td></td>	CS_OFFL_SIR_IOPM_2_20171116T020210_20171116T021900_C001		
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CS_OFFL_SIR_IOPM_2_201711161033451_201711161033630_C001 Ice Backscatter Averaging Status records. CS_OFFL_SIR_IOPM_2_201711161033609_201711161035608_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161033609_201711161040733_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161043023_201711161044637_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161045258_201711161045814_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161045258_201711161045814_C001 Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161053049_201711161051752_C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status more records. CS_OFFL_SIR_IOPM_2_201711161051017_201711161051047_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161061017_201711161061047_C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201711161061017_2017111610644646_	CS_OFFL_SIR_IOPM_2_20171116T033146_20171116T033349_C001	Ice Backscatter Averaging Status	
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SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or	CS_OFFL_SIR_IOPM_2_20171116T065105_20171116T065636_C001	Ice Backscatter Averaging Status	
CS_OFFL_SIR_IOPM_2_201/111610/0048_201/111610/2425_C001 Backscatter Averaging Status more records.	CS_OFFL_SIR_IOPM_2_20171116T070048_20171116T072425_C001		

CS_OFFL_SIR_IOPM_2_20171116T075621_20171116T080738_C001 CS OFFL SIR IOPM 2 20171116T081314 20171116T082304 C001 CS_OFFL_SIR_IOPM_2_20171116T082748_20171116T082853_C001 CS_OFFL_SIR_IOPM_2_20171116T083036_20171116T083520_C001 CS_OFFL_SIR_IOPM_2_20171116T083954_20171116T091019_C001 CS_OFFL_SIR_IOPM_2_20171116T091423_20171116T091646_C001 CS OFFL SIR IOPM 2 20171116T093011 20171116T100141 C001 CS OFFL SIR IOPM 2 20171116T100945 20171116T101516 C001 CS_OFFL_SIR_IOPM_2_20171116T101911_20171116T102304_C001 CS_OFFL_SIR_IOPM_2_20171116T105411_20171116T105700_C001 CS_OFFL_SIR_IOPM_2_20171116T110858_20171116T114152_C001 CS_OFFL_SIR_IOPM_2_20171116T114847_20171116T115401_C001 CS_OFFL_SIR_IOPM_2_20171116T115932_20171116T121543_C001 CS_OFFL_SIR_IOPM_2_20171116T124517_20171116T132038_C001 CS_OFFL_SIR_IOPM_2_20171116T132430_20171116T132847_C001 CS OFFL SIR IOPM 2 20171116T132905 20171116T133301 C001 CS_OFFL_SIR_IOPM_2_20171116T133800_20171116T141133_C001 CS_OFFL_SIR_IOPM_2_20171116T141249_20171116T141535_C001 CS_OFFL_SIR_IOPM_2_20171116T142623_20171116T143827_C001 CS_OFFL_SIR_IOPM_2_20171116T144308_20171116T144435_C001 CS_OFFL_SIR_IOPM_2_20171116T144437_20171116T150022_C001 CS_OFFL_SIR_IOPM_2_20171116T150228_20171116T150746_C001 CS_OFFL_SIR_IOPM_2_20171116T150804_20171116T151001_C001 CS_OFFL_SIR_IOPM_2_20171116T151820_20171116T153124_C001 CS OFFL SIR IOPM 2 20171116T153339 20171116T155026 C001 CS_OFFL_SIR_IOPM_2_20171116T161303_20171116T162328_C001 CS_OFFL_SIR_IOPM_2_20171116T162507_20171116T163854_C001 CS_OFFL_SIR_IOPM_2_20171116T164154_20171116T164656_C001 CS_OFFL_SIR_IOPM_2_20171116T170318_20171116T170733_C001 CS OFFL SIR IOPM 2 20171116T171239 20171116T171717 C001 CS_OFFL_SIR_IOPM_2_20171116T171840_20171116T172551_C001 CS_OFFL_SIR_IOPM_2_20171116T175729_20171116T181747_C001 CS OFFL SIR IOPM 2 20171116T182209 20171116T182613 C001 CS_OFFL_SIR_IOPM_2_20171116T183327_20171116T190712_C001 CS_OFFL_SIR_IOPM_2_20171116T193427_20171116T195653_C001 CS_OFFL_SIR_IOPM_2_20171116T200000_20171116T200527_C001 CS_OFFL_SIR_IOPM_2_20171116T200533_20171116T200858_C001 CS OFFL SIR IOPM 2 20171116T201304 20171116T202327 C001 CS OFFL SIR IOPM 2 20171116T202905 20171116T204452 C001 CS_OFFL_SIR_IOPM_2_20171116T210848_20171116T212931_C001 CS_OFFL_SIR_IOPM_2_20171116T213151_20171116T213604_C001 CS OFFL SIR IOPM 2 20171116T214001 20171116T214805 C001 CS_OFFL_SIR_IOPM_2_20171116T215332_20171116T222524_C001 CS OFFL SIR IOPM 2 20171116T223832 20171116T223944 C001 CS_OFFL_SIR_IOPM_2_20171116T230012_20171116T230816_C001 CS_OFFL_SIR_IOPM_2_20171116T230832_20171116T231355_C001 CS OFFL SIR IOPM 2 20171116T231936 20171116T232453 C001 CS_OFFL_SIR_IOPM_2_20171116T233147_20171116T235306_C001 CS_OFFL_SIR_IOPM_2_20171116T235552_20171117T000619_C001 CS OFFL SIR IOPN 2 20171116T001535 20171116T001848 C001 CS_OFFL_SIR_IOPN_2_20171116T015006_20171116T015242_C001

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

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Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

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Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more

records. The SWH and Ocean Averaging Status Flags have been set for one or

more records. The SWH and Ocean Averaging Status Flags have been set for one or

more records. The SWH and Ocean Averaging Status Flags have been set for one or

more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The SWH and Ocean Averaging Status Flags have been set for one or more records.

The Ice Backscatter Averaging Status Flag has been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Number of products with errors:

6. IOP L2 Pole-to-Pole Data Quality Check

6.1 P2P Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc).

Number of products with errors:

6.2 P2P Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors:

6.3 P2P Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

66

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Number of products with errors:

6.6 P2P Range Measurement Check

CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the P2P products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 23

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220171115T232523_20171116T001457_C002	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T015411_20171116T024350_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T033324_20171116T042304_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T042304_20171116T051238_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T051238_20171116T060217_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T060217_20171116T065151_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T074131_20171116T083105_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T083105_20171116T092045_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T092045_20171116T101019_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T101019_20171116T105958_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T114932_20171116T123912_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T123912_20171116T132846_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T132846_20171116T141825_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T141825_20171116T150759_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T150759_20171116T155739_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T155739_20171116T164713_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T182626_20171116T191606_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T191606_20171116T200540_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T200540_20171116T205520_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T205520_20171116T214454_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T214454_20171116T223433_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T223433_20171116T232407_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T232407_20171117T001347_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags raised in the P2P products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 23

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220171115T232523_20171116T001457_C002	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T015411_20171116T024350_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T033324_20171116T042304_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T042304_20171116T051238_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T051238_20171116T060217_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T060217_20171116T065151_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T074131_20171116T083105_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T083105_20171116T092045_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T092045_20171116T101019_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T101019_20171116T105958_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T114932_20171116T123912_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T123912_20171116T132846_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T132846_20171116T141825_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T141825_20171116T150759_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T150759_20171116T155739_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T155739_20171116T164713_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T182626_20171116T191606_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T191606_20171116T200540_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T200540_20171116T205520_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T205520_20171116T214454_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T214454_20171116T223433_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_220171116T223433_20171116T232407_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_IOP_2_20171116T232407_20171117T001347_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

6.8 P2P Ocean Retracking Quality Check

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

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Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220171116T015411_20171116T024350_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T033324_20171116T042304_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T042304_20171116T051238_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T060217_20171116T065151_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T074131_20171116T083105_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T083105_20171116T092045_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220171116T092045_20171116T101019_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.

CS_OFFL_SIR_IOP_2_20171116T101019_20171116T105958_C001 CS_OFFL_SIR_IOP_2_20171116T114932_20171116T123912_C001 CS_OFFL_SIR_IOP_2_20171116T123912_20171116T132846_C001 CS_OFFL_SIR_IOP_2_20171116T132846_20171116T141825_C001 CS_OFFL_SIR_IOP_2_20171116T132846_20171116T150759_C001 CS_OFFL_SIR_IOP_2_20171116T150759_20171116T155739_C001 CS_OFFL_SIR_IOP_2_20171116T155739_20171116T164713_C001 CS_OFFL_SIR_IOP_2_20171116T182626_20171116T191606_C001 CS_OFFL_SIR_IOP_2_20171116T191606_20171116T20540_C001 CS_OFFL_SIR_IOP_2_20171116T205520_20171116T214454_C001 CS_OFFL_SIR_IOP_2_20171116T214454_20171116T223433_C001 CS_OFFL_SIR_IOP_2_20171116T223433_20171116T232407_C001 CS_OFFL_SIR_IOP_2_20171116T223433_20171116T232407_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records.