



1. Overview

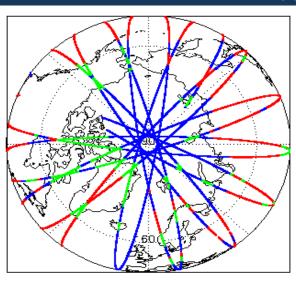
Report Production:	02-Feb-2018	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

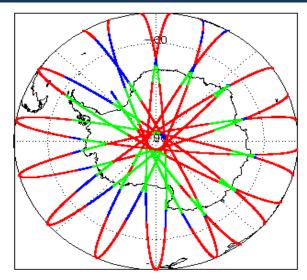
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	See Section 5.2	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

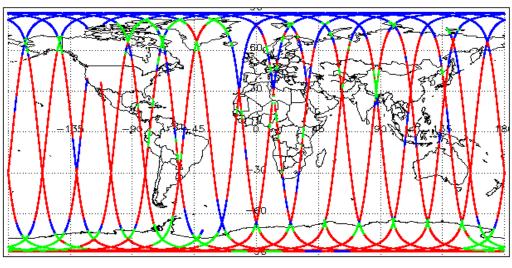
Mission / Instrument News		
03-Jan-2018	None	
04-Jan-2018	None	

05-Jan-2018 Nothing planned

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. GOP 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:

0

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.

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.

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.

Number of products with errors:

Conf. Six. Order. 2019/01/19/20/20/20/20/20/20/20/20/20/20/20/20/20/	Number of products with errors: 67		
Company Comp	Product	Test Failed	
Co. OFT. B. B. COPPR B. 2016/19/19/2042 A 2016/19/19/2045 C 2016 Co. OFT. B. B. COPPR B. 2016/19/2044 D 2016/19/2044 C 2016 Co. OFT. B. B. COPPR B. 2016/19/2044 D 2016/19/2044 C 2016 Co. OFT. B. B. COPPR B. 2016/19/2044 D 2016/19/2044 C 2016 Allada correction missing	CS_OFFL_SIR_GOPM1B_20180104T043116_20180104T045636_C001	Power scaling error	
Co., CHE, SER, COPPER, 2010/10/11/20042, DISCONSTRUCTION CO., CHE, SER, COPPER, 2010/11/20042, DISCONSTRUCTION CO., CHE, SER, COPPER, 2010/11/20047, DISCONS	CS_OFFL_SIR_GOPR1B_20180103T235351_20180104T000050_C001	Attitude correction missing	The attitude has not been corrected
Actual Controlling Actual	CS_OFFL_SIR_GOPR1B_20180104T004324_20180104T004326_C001	Attitude correction missing	The attitude has not been corrected
C., OFT_LSR_COPPRIL_20180047000000000000000000000000000000000	CS_OFFL_SIR_GOPR1B_20180104T004330_20180104T004331_C001	Attitude correction missing	The attitude has not been corrected
S. OFT_SIR_COPPHIS_20160104T02392_20160104T02394_C0011	CS_OFFL_SIR_GOPR1B_20180104T004400_20180104T004406_C001	Attitude correction missing	The attitude has not been corrected
Sc. OFT., SR. COPHIB., 201801017072222, 20180107102230, C001 Adultude correction meeting The attitude has not been corrected Co., OFT., SR. COPHIB., 201801017022317, 20180107102310, C001 Adultude correction meeting The attitude has not been corrected Co., OFT., SR. COPHIB., 201801017031717, 201801071031515, C001 Co., OFT., SR. COPHIB., 201801017031717, 2018010171031515, C001 Co., OFT., SR. COPHIB., 201801017031717, 2018010171031712, C018010171031712, C01801017103112,	CS_OFFL_SIR_GOPR1B_20180104T004458_20180104T004459_C001	Attitude correction missing	The attitude has not been corrected
Se. DEF. S. R. COPPRIL 2018/01/01/02/242. 2018/01/01/02/243. 2018/01/01/02/243. 2018/01/01/02/243. 2018/01/01/02/243. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/01/24/24. 2018/01/01/24/24. 2018/01/01/24/24. 2018/01/01/24/24. 2018/01/01/24/24. 2018/01/01/24/24. 2018/01/01/24/24. 2018/01/01/24/24. 2018/01/01/24/24. 2018/01/01/24/24. 2018/01/24/24/24. 2018/01/24/24/24. 2018/01/24/24/24/24/24/24/24/24/24/24/24/24/24/	CS_OFFL_SIR_GOPR1B_20180104T020609_20180104T020748_C001	Attitude correction missing	The attitude has not been corrected
S. G.F.J. SR. (GOPRIE 2018)0147032912 201801614703183 2010 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)0147033712 201801614703183 2010 Attitude correction missing in the attitude has not been corrected in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)0147033712 2018016147040315.001 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703723 2018016147040315.001 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 2018016147054915 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 2018016147054915 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 2018016147054915 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 2018016147054915 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 201801614707259 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 201801614707259 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 201801614707259 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 2018016147073812 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 2018016147073812 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 20180161470549 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 20180164710549 2019 Attitude correction missing in the attitude has not been corrected in CS_GPFL_SR. (GOPRIE 2018)014703472 20180164710549 2019 Attitude correction missing in the attitude has not b	CS_OFFL_SIR_GOPR1B_20180104T022322_20180104T022324_C001	Attitude correction missing	The attitude has not been corrected
CS_OFF_SIR_COPRITE_20180101T035372_2018010T035495_C001 Allfulde_correction missing The attitude has not been corrected The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035072_2018010T035595_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035072_2018010T035595_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035072_2018010T035950_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035072_2018010T035950_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035950_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035950_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035950_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035950_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035950_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T037910_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T037910_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035010_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035010_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035010_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035014_C001 Allfulde_correction missing The attitude has not been corrected CS_OFF_SIR_COPRITE_2018010T035002_2018010T035014_C001 Allfulde_correcti	CS_OFFL_SIR_GOPR1B_20180104T022327_20180104T022405_C001	Attitude correction missing	The attitude has not been corrected
CS. OPFL.SIR. COPPRIB_201691041703537_2016910417047530_0001 CS. OPFL.SIR. COPPRIB_201691047047047_201691047047045_0001 CS. OPFL.SIR. COPPRIB_201691047047047_201691047047045_0001 CS. OPFL.SIR. COPPRIB_201691047047047_201691047047045_0001 CS. OPFL.SIR. COPPRIB_201691047047047_201691047047045_0001 CS. OPFL.SIR. COPPRIB_201691047047047_20169104704705_0001 CS. OPFL.SIR. COPPRIB_201691047047047_20169104704705_0001 CS. OPFL.SIR. COPPRIB_201691047047047_20169104704705_0001 CS. OPFL.SIR. COPPRIB_20169104706040_201691047060501_0001 CS. OPFL.SIR. COPPRIB_20169104706040_20169104706061_0001 CS. OPFL.SIR. COPPRIB_20169104706040_20169104706061_0001 CS. OPFL.SIR. COPPRIB_20169104706040_20169104706061_0001 CS. OPFL.SIR. COPPRIB_20169104706040_20169104707080_0001 CS. OPFL.SIR. COPPRIB_20169104706040_20169104706040_0001 CS. OPFL.SIR. COPPRIB_20169104706000_20169104706040_0001 CS. OPFL.SIR. COPPRIB_20169104706000_20169104706040_0001 CS. OPFL.SIR. COPPRIB_20169104706000_20169104706040_0001 CS. OPFL.SIR. COPPRIB_201691047060000_20169104706040_0001 CS. OPFL.SIR. COPPRIB_201691047060000_20169104706040_0001 CS. OPFL.SIR. COPPRIB_201691047060000000000000000000000000000000000	CS_OFFL_SIR_GOPR1B_20180104T022843_20180104T022903_C001	Attitude correction missing	The attitude has not been corrected
GS_OFFL_SR_COPRIB_2018010417640711_20180104174075_C001 Altitude correction missing Fine attitude has not been corrected GS_OFFL_SR_COPRIB_20180104764073_2018010417443_C001 Altitude correction missing GS_OFFL_SR_COPRIB_2018010476474_201801041094910_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_2018010476474_201801041700401_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_20180104766474_20180104700401_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_20180104766477_20180104700401_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_20180104766477_20180104700401_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_20180104767847_201801047078819_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_20180104767847_201801047078819_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_2018010476847_201801047078819_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_2018010476847_20180104708829_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_2018010476847_20180104708829_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_2018010476847_20180104708829_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_2018010476847_20180104708829_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_2018010476847_20180104708829_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_2018010476847_20180104710849_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_2018010471047091_20180104710819_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SR_COPRIB_201801047104792_20180104710819_C001 Altitude correction missing The attitud	CS_OFFL_SIR_GOPR1B_20180104T031712_20180104T031815_C001	Attitude correction missing	The attitude has not been corrected
CS_OFF_SR_COPRIB_20180104704073_20180104704143_C001 ABribde correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_20180104704047_201801047105091_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_201801047060404_201801047105091_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_201801047060404_20180104706090_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_20180104707304_20180104707309_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_201801047073732_201801047073809_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_201801047073732_201801047073819_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_201801047073732_201801047073819_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_201801047073732_201801047073819_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_201801047073732_201801047073819_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_20180104707382_20180104703829_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_20180104707382_20180104703829_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_20180104707382_20180104703829_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_20180104707382_20180104703829_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_20180104707382_20180104703810_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_20180104707382_20180104703910_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_20180104710492_20180104711309_C001 Altitude correction missing The attitude has not been corrected CS_OFF_SR_COPRIB_2018010471	CS_OFFL_SIR_GOPR1B_20180104T035337_20180104T035434_C001	Attitude correction missing	The attitude has not been corrected
GS_OFFL_SIR_GORRIS_201801647045837_201801041704579_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_201801047065747_201801041704595_C001 Altitude correction missing GS_OFFL_SIR_GORRIS_20180104706582_201801041706255_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_20180104706582_201801041706255_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_2018010470678167_20180104170559_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_20180104707379_20180104170559_C001 Altitude correction missing GS_OFFL_SIR_GORRIS_20180104707379_20180104170579_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_20180104707379_20180104170579_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_20180104707379_20180104170579_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_20180104707389_201801041705740_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_20180104707389_201801041708274_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_20180104707408056_201801041708274_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_2018010470740056_201801041708058_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_2018010470740050_201801041700590_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_201801047104707_20180104170050_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_201801047104707_20180104170050_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_201801047104707_20180104170050_C001 Altitude correction missing The attitude has not been corrected GS_OFFL_SIR_GORRIS_2018010471047000_C001 Altitude correction missing The attitude has not	CS_OFFL_SIR_GOPR1B_20180104T040711_20180104T040753_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_201801047054734_20180104705591_C001 Altitude correction missing The altitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104705490_20180104705500_C001 Altitude correction missing The altitude has not been corrected CS_OFFL_SIR_GOPRIB_201801041072200_20180104705205_C001 Altitude correction missing The altitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104707200_20180104707205_C001 Altitude correction missing The altitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104707200_20180104707393_C001 Altitude correction missing The altitude has not been corrected CS_OFFL_SIR_GOPRIB_2018010470730_20180104707393_C001 Altitude correction missing The altitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104708202_20180104708221_C001 Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude has not been corrected Altitude correction missing The altitude h	CS_OFFL_SIR_GOPR1B_20180104T040753_20180104T041435_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_201801047064940_201801047068261_C001 Abitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104707294_20180104706286_C001 Abitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104707294_20180104707280_C001 Abitude correction missing The attitude has not been corrected Abitude correction missing The attitude has not been corrected Abitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104707390_201801047073816_C001 Abitude correction missing The attitude has not been corrected Abitude correction missing The	CS_OFFL_SIR_GOPR1B_20180104T045637_20180104T045750_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20180104T080826_20180104T080821_C0011 Attlude correcton missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T08187_20180104T082384_C0011 Attlude correcton missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T073750_20180104T073818_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T073750_20180104T073818_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T081424_20180104T083221_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083022_20180104T083221_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083022_20180104T083221_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083418_20180104T08322_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083418_20180104T08322_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083022_20180104T083410_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T080005_20180104T080459_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T080005_20180104T080459_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T1080005_20180104T1080010_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T108015_20180104T1080104_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T108015_20180104T1080104_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T108015_20180104T1080104_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T108015_20180104T11800104_C0011 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20	CS_OFFL_SIR_GOPR1B_20180104T054734_20180104T054919_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_COPRIB_20180104T02304_20180104T02366_C001 Attlude correction missing The attlutide has not been corrected CS_OFFL_SIR_COPRIB_20180104T02364_20180104T02368_C001 Attlude correction missing The attlutide has not been corrected CS_OFFL_SIR_COPRIB_20180104T08424_20180104T082740_C001 Attlude correction missing The attlutide has not been corrected CS_OFFL_SIR_COPRIB_20180104T082686_20180104T082740_C001 Attlude correction missing The attlutide has not been corrected CS_OFFL_SIR_COPRIB_20180104T082686_20180104T082740_C001 Attlude correction missing The attlutide has not been corrected CS_OFFL_SIR_COPRIB_20180104T082416_20180104T083620_C001 Attlude correction missing The attlutide has not been corrected CS_OFFL_SIR_COPRIB_20180104T082416_20180104T083608_C001 Attlude correction missing The attlutide has not been corrected CS_OFFL_SIR_COPRIB_20180104T08242_20180104T083610_C001 Attlude correction missing The attlutide has not been corrected CS_OFFL_SIR_COPRIB_20180104T08252_20180104T083110_C001 Attlude correction missing The attlutide has not been corrected CS_OFFL_SIR_COPRIB_20180104T108252_20180104T083680_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_COPRIB_20180104T108252_20180104T093480_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_COPRIB_20180104T109322_20180104T109449_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_COPRIB_20180104T109407_20180104T109449_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_COPRIB_20180104T109407_20180104T109449_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_COPRIB_20180104T109407_20180104T109490_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_COPRIB_20180104T109407_20180104T109400_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_COPRIB_20180104T109407_20180104T132330_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_	CS_OFFL_SIR_GOPR1B_20180104T054940_20180104T055501_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20180104T073304_20180104T072506_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T082506_20180104T082740_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T082626_20180104T082740_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T082626_20180104T082740_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083022_20180104T082221_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083447_20180104T083522_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T08447_20180104T083580_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T08262_20180104T093110_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T08262_20180104T093110_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T08262_20180104T093310_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T100282_20180104T09033_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T100282_20180104T10033_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T100282_20180104T10033_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T10815_20180104T100312_20104T100312_20180104T100312_20104T100312_2	CS_OFFL_SIR_GOPR1B_20180104T060626_20180104T060821_C001	Attitude correction missing	The attitude has not been corrected
Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_201801041708322_201801041708322_CO01 Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude h	CS_OFFL_SIR_GOPR1B_20180104T061817_20180104T062354_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20180104T083552_20180104T082740_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T0825552_20180104T082740_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083542_20180104T088580_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083412_20180104T088580_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T0804712_20180104T088580_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T080321_20180104T0893110_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T082322_20180104T083410_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T08232_20180104T00331_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T00322_20180104T100332_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T10347_20180104T104111_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T104312_20180104T106012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T104312_20180104T106012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113322_20180104T11330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113322_20180104T11330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113322_20180104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113322_20180104T113346_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T13222_20180104T13235_C001 Attitude correction missing The attitud	CS_OFFL_SIR_GOPR1B_20180104T072304_20180104T072506_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_2018010417083022_2018010417083022_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_2018010417083022_2018010417083022_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_2018010417080322_2018010417080322_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_2018010417090262_2018010417090144_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_2018010417090262_2018010417093110_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_2018010417090262_2018010409031_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_201801041709026_201801041700033_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_201801041709026_201801041100033_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_201801041709026_201801041100012_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_201801041100013_201801041106012_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_201801041110302_2018010411103001_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_201801041113024_201801041113090_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_201801041113024_201801041113090_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104113094_20180104113094_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104113094_20180104113094_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104113132_20180104113094_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104113132_20180104113094_C001 Altitude correction missing The attitude has not bee	CS_OFFL_SIR_GOPR1B_20180104T073750_20180104T073818_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20180104T083022_20180104T083021_C001 Althude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T083048_20180104T085082_C001 Althude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T080505_20180104T085082_C001 Althude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T092825_20180104T093110_C001 Althude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T092825_20180104T093110_C001 Althude correction missing The attitude has not been corrected The attitud	CS_OFFL_SIR_GOPR1B_20180104T081424_20180104T081711_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T083418_20180104T083629_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T080005_20180104T089144_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T090005_20180104T093110_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T0902825_20180104T093110_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T100302_20180104T1093459_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T103407_20180104T100411_C001 Attitude correction missing The attitude has not been corrected The attitude has not been co	CS_OFFL_SIR_GOPR1B_20180104T082656_20180104T082740_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20180104T085047_20180104T095080_20180104T090144_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T0902825_20180104T0903110_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T090321_20180104T090345_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T100320_20180104T100034_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T100320_20180104T100033_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T100315_20180104T100111_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T104815_20180104T105012_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T104815_20180104T105012_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113222_20180104T113230_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113337_20180104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113337_20180104T113333_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T12333_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T12374_20180104T123235_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T12374_20180104T12335_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T131333_20180104T131340_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T131333_20180104T132749_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T142911_20180104T143732_C001	CS_OFFL_SIR_GOPR1B_20180104T083022_20180104T083221_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T090005_20180104T090110_C001 CS_OFFL_SIR_GOPR1B_20180104T095321_20180104T095150_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T100026_20180104T100035_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T100026_20180104T100035_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T100026_20180104T104111_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T10315_20180104T104414_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T10513_20180104T104449_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T105013_20180104T10502_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113222_20180104T113230_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113337_20180104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T11337_20180104T113392_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1123742_20180104T112395_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1227142_0180104T12395_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13374_20180104T13295_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131335_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131355_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T14291_20180104T132740_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T14291_20180104T145	CS_OFFL_SIR_GOPR1B_20180104T083418_20180104T083629_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20180104T092825_20180104T0993110_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T103002_20180104T100033_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T1030407_20180104T1040033_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T103407_20180104T104104T0411_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T104155_20180104T104140_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T104152_20180104T105012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113224_20180104T113230_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113324_20180104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T113347_20180104T113343_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T123712_20180104T123253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T123744_20180104T123253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T133132_20180104T133135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T133132_20180104T133135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T131353_20180104T133135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T13353_20180104T133730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T140315_20180104T133730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20180104T140315_20180104T140412_C001 Attitude correction missing The attitude has no	CS_OFFL_SIR_GOPR1B_20180104T085447_20180104T085808_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T1095321_20180104T100033_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T104015_20180104T104011_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T104315_20180104T104111_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T104315_20180104T105012_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T104515_20180104T105012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T105013_20180104T105002_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113222_20180104T113230_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113237_20180104T113394_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T122712_20180104T122735_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T123745_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1313135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1313135_C0180104T131355_001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131335_20180104T13355_001001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131335_20180104T133573_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140515_0180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140515_0180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145012_20180104T13508_C001 Attitude corre	CS_OFFL_SIR_GOPR1B_20180104T090005_20180104T090144_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T103407_20180104T104111_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T103407_20180104T104449_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T103415_20180104T105012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T105013_20180104T105012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113232_20180104T113230_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113324_20180104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1133307_20180104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123232_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123232_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T124024_20180104T123956_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131332_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131332_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131335_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131355_20180104T133730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13015_20180104T1301500_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142011_20180104T143013_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142011_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_2018	CS_OFFL_SIR_GOPR1B_20180104T092825_20180104T093110_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T103407_20180104T104419_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T104315_20180104T105012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T104315_20180104T105002_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113222_20180104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113222_20180104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113330_Z010104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113337_20180104T113330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T127212_20180104T123255_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T123956_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1313132_20180104T1313135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1313135_20180104T1313135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13353_20180104T13135_20180104T131353_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13353_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T1453123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T145730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T165034_C001 Attitude correction missing The attitude has not been	CS_OFFL_SIR_GOPR1B_20180104T095321_20180104T095459_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T104315_20180104T105012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T105013_20180104T105012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T105013_20180104T10502_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113222_20180104T113230_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113222_20180104T113394_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113394_2001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T122712_20180104T12325_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T123956_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T124024_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13132_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13132_20180104T131841_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145132_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145732_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T16503_20180104T16503_C001 Attitu	CS_OFFL_SIR_GOPR1B_20180104T100026_20180104T100033_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T104815_20180104T105012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113222_20180104T113230_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113924_20180104T113930_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113937_20180104T113930_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123712_20180104T113935_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T122712_20180104T123253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T123956_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1313132_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13132_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131335_20180104T131841_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13530_C011 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13530_C011 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T1323_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T14012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145039_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145039_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145043_20180104T145039_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR	CS_OFFL_SIR_GOPR1B_20180104T103407_20180104T104111_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T105013_20180104T113230_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113924_20180104T113930_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T113937_20180104T113934_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T122712_20180104T12253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T122742_20180104T12253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T122742_20180104T123253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T124026_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131352_20180104T131135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131835_20180104T131135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131835_20180104T131841_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T132242_20180104T132749_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145008_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164242_20180104T165008_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_	CS_OFFL_SIR_GOPR1B_20180104T104315_20180104T104449_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T113222_20180104T11323_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T11393_20180104T11393_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T122712_20180104T123253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T123253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T123956_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T124024_20180104T124026_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131132_20180104T131135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131322_2180104T131841_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T132242_20180104T132749_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T14911_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corre	CS_OFFL_SIR_GOPR1B_20180104T104815_20180104T105012_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T113924_20180104T113930_c001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T12712_20180104T123253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T12744_20180104T123956_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T124024_20180104T124026_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13132_20180104T131135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13132_20180104T131135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13135_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T135519_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T135519_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145015_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T15040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T15040_C001 Attitude correction missing The attitude has	CS_OFFL_SIR_GOPR1B_20180104T105013_20180104T105602_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T113937_20180104T113944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T122712_20180104T123253_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T123956_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13132_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131132_20180104T131135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131335_20180104T131841_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13242_20180104T132749_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T135519_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155008_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1640303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1640303_C001 Attitude correction missing The attitude has not been	CS_OFFL_SIR_GOPR1B_20180104T113222_20180104T113230_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T122712_20180104T123253_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T124024_20180104T123956_CO01 Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correctio	CS_OFFL_SIR_GOPR1B_20180104T113924_20180104T113930_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T123956_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131132_20180104T13135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13135_20180104T131841_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T132242_20180104T132749_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T135519_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T14012_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155008_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164030_20180104T164030_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected Attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been	CS_OFFL_SIR_GOPR1B_20180104T113937_20180104T113944_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T124024_20180104T124026_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131132_20180104T131135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131835_20180104T131841_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T13242_20180104T132749_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155147_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected The attitude has	CS_OFFL_SIR_GOPR1B_20180104T122712_20180104T123253_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T131132_20180104T131135_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T131835_20180104T131841_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T132242_20180104T132749_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T135519_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155047_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160504_20180104T16504_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160504_20180104T164030_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T173257_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T123744_20180104T123956_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T131835_20180104T131841_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T132242_20180104T132749_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T135519_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155008_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155147_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T17325T_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T124024_20180104T124026_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T132242_20180104T135730_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145519_20180104T140412_C001 CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T140412_C001 CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T15043_20180104T15043_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T1505043_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T173257_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T173257_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T131132_20180104T131135_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T135519_20180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T15508_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T15043_20180104T155147_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T173257_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T131835_20180104T131841_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T140412_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T154449_20180104T155008_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155147_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T173257_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T132242_20180104T132749_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T143123_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155008_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155147_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T173257_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T135519_20180104T135730_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T140315_20180104T140412_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001 Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T142911_20180104T143123_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T154449_20180104T155008_C001 Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T145019_20180104T145040_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155147_C001 Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T145732_20180104T145739_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001 Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T154449_20180104T155008_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001 Attitude correction missing The attitude has not been corrected Attitude correction missing	CS_OFFL_SIR_GOPR1B_20180104T155043_20180104T155147_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T173257_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T160505_20180104T160534_C001	Attitude correction missing	The attitude has not been corrected
	CS_OFFL_SIR_GOPR1B_20180104T164224_20180104T164303_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T180918_20180104T180925_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20180104T172306_20180104T173257_C001	Attitude correction missing	The attitude has not been corrected
	CS_OFFL_SIR_GOPR1B_20180104T180918_20180104T180925_C001	Attitude correction missing	The attitude has not been corrected

CS_OFFL_SIR_GOPR1B_20180104T190039_20180104T190816_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T190841_20180104T191327_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T194852_20180104T194943_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T195952_20180104T200236_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T203728_20180104T203801_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T203913_20180104T204621_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T204839_20180104T204935_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T205723_20180104T210059_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T212814_20180104T212854_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T221805_20180104T221830_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T222520_20180104T224002_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T231958_20180104T232134_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20180104T235803_20180104T235859_C001	Attitude correction missing	The attitude has not been corrected

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180104T125546_20180104T131131_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180104T041435_20180104T041925_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180104T090145_20180104T090312_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180104T104449_20180104T104814_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180104T122616_20180104T122711_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180104T140015_20180104T140145_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180104T140413_20180104T140625_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180104T164033_20180104T164223_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180104T204821_20180104T204838_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180104T045637_20180104T045750_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180104T081424_20180104T081711_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180104T132242_20180104T132749_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180104T135911_20180104T140015_C001	Loss of Echo	The tracking echo is missing for one or more records
CS OFFL SIR GOPR1B 20180104T205723 20180104T210059 C001	Loss of Echo	The tracking echo is missing for one or more records

5. GOP 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:

Product	Test Failed
CS_OFFL_SIR_GOPR_2_20180104T004347_20180104T004357_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

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:

CS_OFFL_SIR_GOPM_2_20180104T043116_20180104T045636_C001 Power scaling error There is an error in the scaling of the L2 waveform for one or more record	Product	Test Failed	Description
	CS_OFFL_SIR_GOPM_2_20180104T043116_20180104T045636_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

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.

Product	Test Failed	Description
CS OFFL SIR GOPM 2 20180104T000325 20180104T000519 C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T000821_20180104T000949_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20180104T001152 20180104T002940 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T003420_20180104T004123_C001		records. The Ocean Range Averaging Status Flag has been set for one or more
	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T005717_20180104T010054_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T010247_20180104T011821_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T012441_20180104T013617_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T014212_20180104T014433_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180104T014506_20180104T014928_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T015110_20180104T020609_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T020748_20180104T022213_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T024555_20180104T025148_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T025311_20180104T025748_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T030112_20180104T031712_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T032000_20180104T032836_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T033052_20180104T035336_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T043116_20180104T045636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T045913_20180104T050102_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T050200_20180104T050636_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T050918_20180104T053909_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T060821_20180104T061817_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T062355_20180104T063436_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T064117_20180104T064711_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T073942_20180104T081423_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T082024_20180104T082542_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T082740_20180104T083022_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T083221_20180104T083417_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T090312_20180104T090538_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T090656_20180104T090723_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T091947_20180104T092824_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T093110_20180104T095320_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T100645_20180104T101945_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20180104T102133 20180104T102748 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T102923_20180104T103406_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20180104T105920 20180104T113222 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T103920_20180104T113222_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_201801041113941_201801041113924_C001 CS_OFFL_SIR_GOPM_2_20180104T113944_20180104T114234_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
		records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T115024_20180104T122053_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T124033_20180104T125359_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T125546_20180104T131131_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T131318_20180104T131821_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T132749_20180104T133800_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T134419_20180104T135519_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T143123_20180104T143406_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180104T143546_20180104T145018_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180104T145232_20180104T145732_C001	Ice Range Averaging Status	The Local Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T150404_20180104T152755_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T152813_20180104T153747_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T160710_20180104T163019_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T163711_20180104T164032_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20180104T164303_20180104T171118_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T174347_20180104T180918_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T181058_20180104T181602_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T181610_20180104T181937_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T182327_20180104T183409_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T183946_20180104T185706_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T194246_20180104T194851_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T195057_20180104T195634_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T200236_20180104T203541_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T210904_20180104T212814_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T213020_20180104T213529_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T214105_20180104T221533_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T224520_20180104T230256_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T231226_20180104T231432_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T232135_20180104T235050_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180104T005556_20180104T005717_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180104T025800_20180104T030112_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180104T031816_20180104T031959_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20180104T204745_20180104T204806_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180104T061817_20180104T062354_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180104T182110_20180104T182327_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20180104T222520_20180104T224002_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. 70

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180104T000325_20180104T000519_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T001152_20180104T002940_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_GOPM_2_20180104T003420_20180104T004123_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_GOPM_2_20180104T005717_20180104T010054_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T010247_20180104T011821_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_GOPM_2_20180104T012441_20180104T013617_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_GOPM_2_20180104T014212_20180104T014433_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T014506_20180104T014928_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T015110_20180104T020609_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_GOPM_2_20180104T020748_20180104T022213_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_GOPM_2_20180104T024555_20180104T025148_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_GOPM_2_20180104T025311_20180104T025748_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_GOPM_2_20180104T030112_20180104T031712_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_GOPM_2_20180104T032000_20180104T032836_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T033052_20180104T035336_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_GOPM_2_20180104T043116_20180104T045636_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_GOPM_2_20180104T045913_20180104T050102_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T050200_20180104T050636_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180104T050918_20180104T053909_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_GOPM_2_20180104T060821_20180104T061817_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_GOPM_2_20180104T062355_20180104T063436_C001	SWH Averaging Status, Ocean 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 SWH Averaging Status, Ocean CS OFFL SIR GOPM 2 20180104T073942 20180104T081423 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180104T082024_20180104T082542_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T090312_20180104T090538_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T090656 20180104T090723 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T091947_20180104T092824_C001 Backscatter Averaging Status more records The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS OFFL SIR GOPM 2 20180104T093110 20180104T095320 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T100645 20180104T101945 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T102133_20180104T102748_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T102923_20180104T103406_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T105920 20180104T113222 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180104T113410_20180104T113924_C001 Ice Backscatter Averaging Status records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180104T113944 20180104T114234 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T115024_20180104T122053_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180104T122230_20180104T122535_C001 records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T124033 20180104T125359 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T125546_20180104T131131_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180104T131318_20180104T131821_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T132749_20180104T133800_C001 **Backscatter Averaging Status** more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T134419_20180104T135519_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T141955_20180104T142910_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T143123 20180104T143406 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T143546 20180104T145018 C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180104T145232 20180104T145732 C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T150404 20180104T152755 C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T160710_20180104T163019_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180104T163711_20180104T164032_C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T164303_20180104T171118_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T174347_20180104T180918_C001 more records The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180104T181058 20180104T181602 C001 Ice Backscatter Averaging Status The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180104T181610_20180104T181937_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T182327_20180104T183409_C001 Backscatter Averaging Status more records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T183946 20180104T185706 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T194246_20180104T194851_C001 **Backscatter Averaging Status** more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180104T195057_20180104T195634_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T200236 20180104T203541 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T210904_20180104T212814_C001 Backscatter Averaging Status more records. The Ice Backscatter Averaging Status Flag has been set for one or more CS OFFL SIR GOPM 2 20180104T213020 20180104T213529 C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T214105 20180104T221533 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPM_2_20180104T224520_20180104T230256_C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPM_2_20180104T231226_20180104T231432_C001 Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPM 2 20180104T232135 20180104T235050 C001 **Backscatter Averaging Status** more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPN_2_20180104T005556_20180104T005717_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPN 2 20180104T025800 20180104T030112 C001 Backscatter Averaging Status more records The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOPN_2_20180104T031816_20180104T031959_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPN_2_20180104T204745_20180104T204806_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOPR 2 20180104T061817 20180104T062354 C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPR_2_20180104T182110_20180104T182327_C001 Backscatter Averaging Status more records. SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOPR_2_20180104T222520_20180104T224002_C001 Backscatter Averaging Status more records.

Ice Backscatter Averaging Status

records

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

CS_OFFL_SIR_GOPM_2_20180104T064117_20180104T064711_C001

6. GOP 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:

0

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).

Number of products with errors:

Λ

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:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180104T041253_20180104T050233_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180103T231513_20180104T000452_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T000452_20180104T005426_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_GOP_2_20180104T005426_20180104T014406_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_GOP_2_20180104T014406_20180104T023340_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_GOP_2_20180104T023340_20180104T032319_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_GOP_2_20180104T032319_20180104T041253_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_GOP_2_20180104T041253_20180104T050233_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_GOP_2_20180104T050233_20180104T055207_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_GOP_2_20180104T055207_20180104T064147_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T064147_20180104T073121_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_GOP_220180104T073121_20180104T082100_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_GOP_2_20180104T082100_20180104T091034_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_GOP_2_20180104T091034_20180104T100014_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_GOP_2_20180104T100014_20180104T104948_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_GOP_2_20180104T104948_20180104T113927_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T113927_20180104T122901_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_GOP_2_20180104T122901_20180104T131841_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_GOP_220180104T140815_20180104T145754_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T145754_20180104T154728_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T154728_20180104T163708_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_GOP_220180104T163708_20180104T172642_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_GOP_220180104T172642_20180104T181622_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_GOP_220180104T181622_20180104T190556_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_GOP_220180104T190556_20180104T195535_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_GOP_2_20180104T195535_20180104T204509_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220180104T231402_20180105T000336_C001	IUcean 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

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.

Number of products with errors:

Test Failed Product The Ice Backscatter Averaging Status Flag has been set for one or more CS_OFFL_SIR_GOP_2__20180103T231513_20180104T000452_C001 Ice Backscatter Averaging Status records SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180104T000452 20180104T005426 C002 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180104T005426 20180104T014406 C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180104T014406 20180104T023340 C001 Backscatter Averaging Status, Ice or more records. **Backscatter Averaging Status** The SWH and Ocean Averaging Status Flags have been set for one or SWH Averaging Status, Ocean CS_OFFL_SIR_GOP_2__20180104T023340_20180104T032319_C001 **Backscatter Averaging Status** more records. SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180104T032319_20180104T041253_C001 Backscatter Averaging Status, Ice or more records. **Backscatter Averaging Status** SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180104T041253 20180104T050233 C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one Backscatter Averaging Status, Ice CS_OFFL_SIR_GOP_2__20180104T050233_20180104T055207_C001 or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOP 2 20180104T055207 20180104T064147 C001 **Backscatter Averaging Status** more records. SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180104T064147 20180104T073121 C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180104T073121 20180104T082100 C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180104T082100_20180104T091034_C001 Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180104T091034_20180104T100014_C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one Backscatter Averaging Status, Ice CS_OFFL_SIR_GOP_2__20180104T100014_20180104T104948_C001 or more records. **Backscatter Averaging Status** SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOP_2__20180104T104948_20180104T113927_C001 more records. SWH Averaging Status, Ocean Backscatter Averaging Status, Ice The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180104T113927_20180104T122901_C001 or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180104T122901 20180104T131841 C001 Backscatter Averaging Status, Ice or more records. **Backscatter Averaging Status** SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180104T140815_20180104T145754_C001 Backscatter Averaging Status, Ice or more records Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS OFFL SIR GOP 2 20180104T145754 20180104T154728 C001 SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOP_2__20180104T154728_20180104T163708_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180104T163708_20180104T172642_C001 Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2_20180104T172642_20180104T181622_C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180104T181622_20180104T190556_C001 Backscatter Averaging Status, Ice or more records. Backscatter Averaging Status SWH Averaging Status, Ocean Backscatter Averaging Status, Ice The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180104T190556_20180104T195535_C001 or more records. Backscatter Averaging Status SWH Averaging Status, Ocean The SWH and Ocean Averaging Status Flags have been set for one or CS_OFFL_SIR_GOP_2__20180104T195535_20180104T204509_C001 Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS OFFL SIR GOP 2 20180104T204509 20180104T213449 C001 Backscatter Averaging Status, Ice Backscatter Averaging Status SWH Averaging Status, Ocean The SWH, Ocean and Ice Averaging Status Flags have been set for one CS_OFFL_SIR_GOP_2__20180104T213449_20180104T222423_C001 Backscatter Averaging Status, Ice

Backscatter Averaging Status

CS_OFFL_SIR_GOP_220180104T222423_20180104T231402_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_GOP_220180104T231402_20180105T000336_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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180104T000452_20180104T005426_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T005426_20180104T014406_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T014406_20180104T023340_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T023340_20180104T032319_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T032319_20180104T041253_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T041253_20180104T050233_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T050233_20180104T055207_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T055207_20180104T064147_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T064147_20180104T073121_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T073121_20180104T082100_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T082100_20180104T091034_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T091034_20180104T100014_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T100014_20180104T104948_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T104948_20180104T113927_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T113927_20180104T122901_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T122901_20180104T131841_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T140815_20180104T145754_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T145754_20180104T154728_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T163708_20180104T172642_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T172642_20180104T181622_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T190556_20180104T195535_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T195535_20180104T204509_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T204509_20180104T213449_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T213449_20180104T222423_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180104T222423_20180104T231402_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180104T231402_20180105T000336_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.