



1. Overview

Report Production:	15-Jan-2018	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

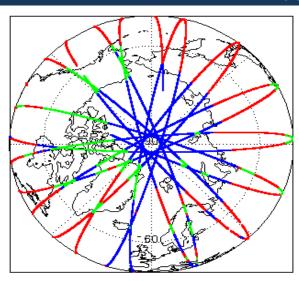
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 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

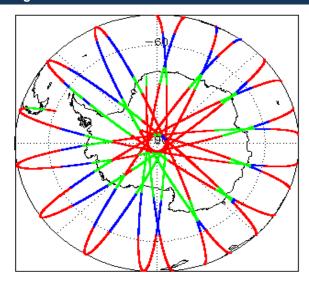
Mission / Instru		
23-Nov-2017	None	

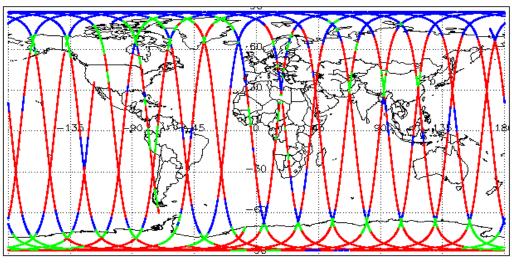
24-Nov-2017 None

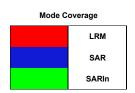
25-Nov-2017 Nothing planned

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:

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:

47

CS_OFF_SIR_GOPNIB_20171124T07444_20171124T1074515_C001	Product	Test Failed	Description
CS_OFFL_SIR_COPRIB_20171124T000807_20171124T001240_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T001325_20171124T014023_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T013255_20171124T014023_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T02338_20171124T023433_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T02338_20171124T023433_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T024069_20171124T024102_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T024069_20171124T024102_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T024033_20171124T030011_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T033302_C00171124T03333_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T033302_20171124T03331_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T034020_20171124T034821_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T041203_20171124T044821_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T041373_20171124T041452_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T041373_20171124T041435_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T041373_20171124T041435_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T054823_20171124T060036_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_SIR_COPRIB_20171124T054823_20171124T060036_C001 Altitude correction missing The attitude has not been corrected CS_OFFL_S	CS_OFFL_SIR_GOPM1B_20171124T174444_20171124T174515_C001	Power scaling error	
CS_OFFL_SIR_GOPRIB_20171124T004857_20171124T001530_C001	CS_OFFL_SIR_GOPR1B_20171124T000907_20171124T001240_C001	Attitude correction missing	
CS_OFFL_SIR_GOPRIB_20171124T03325_20171124T03433_2001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T023433_20171124T023433_2001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T023433_20171124T03541_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T023809_20171124T035133_0001 CS_OFFL_SIR_GOPRIB_20171124T031344_20171124T031533_0001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T031442_0711124T031533_0001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T034420_20171124T034513_0001 CS_OFFL_SIR_GOPRIB_20171124T034420_20171124T034421_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T040816_20171124T041040_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T040313_20171124T044055_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T04373_20171124T04455_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T043310_20171124T053339_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T05310_20171124T053338_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T06390_20171124T053388_C001 CS_OFFL_SIR_GOPRIB_20171124T06390_20171124T05390_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T072790_20171124T072900_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T072790_20171124T072900_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T073753_20171124T072900_C001 Attlude correction missing The attlude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T096350_C001 Attlude correction missing The attlude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T004857_20171124T005543_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20171124T022838_20171124T023432_0011 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T0224059_20171124T024102_001 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_GOPRIB_20171124T0330201_20011124T03030301_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T0333042_20171124T03353_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T033020_20171124T034821_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T0440616_20171124T044004_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T04103_20171124T04455_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T04103_20171124T04195_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T062701_20171124T062939_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T062701_20171124T062939_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T065030_20171124T065336_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T066930_20171124T069300_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T067750_20171124T069030_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T066753_20171124T069030_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T066753_20171124T069406_0001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T106642_20171124T1067400001 Attitude correction missing The attitude has n	CS_OFFL_SIR_GOPR1B_20171124T010015_20171124T010139_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20171124T02433_20171124T02501_20101 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T025801_20171124T03013133_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T031442_00171124T031333_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T034442_00171124T033133_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T0340342_00171124T033131_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T0400816_20171124T034821_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T040320_20171124T041455_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T041203_20171124T041925_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T05270_20171124T041925_2001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T052519_20171124T052393_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T052532_20171124T055393_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T05832_20171124T055402_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T072750_20171124T065402_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T072750_20171124T089830_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T0270520_20171124T098830_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T10403_20171124T109840_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T114032_20171124T109840_CO01 Attitude correction missing The attitude has not been	CS_OFFL_SIR_GOPR1B_20171124T013325_20171124T014023_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20171124T024059_20171124T03310_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 correction missing The attitude has not been corrected Attitude correction missing The attitude has not been corrected Attitude correction missing The attitude	CS_OFFL_SIR_GOPR1B_20171124T022836_20171124T023433_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20171124T034042_20171124T031533_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T034042_20171124T034531_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T034042_20171124T03451_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T03462_20171124T03451_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T041034_20171124T041045_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T04173_20171124T041455_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T04173_20171124T052590_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T053150_20171124T052539_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T053150_20171124T055430_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T053150_20171124T055430_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T05232_20171124T06908_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T076753_20171124T085310_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T056536_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T069526_C0171124T0695636_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T1044124_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	CS_OFFL_SIR_GOPR1B_20171124T023433_20171124T023541_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20171124T031444_20171124T031533_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T03042_20171124T0334821_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T040816_20171124T04104_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T040816_20171124T04104_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T041203_20171124T041495_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T041737_20171124T041925_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T053150_20171124T05399_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T053150_20171124T05358_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T064823_20171124T053486_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T072750_20171124T07290_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T072750_20171124T07290_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T075750_20171124T07290_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T075750_20171124T095540_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T100642_20171124T109540_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T1100642_20171124T100642_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T1140032_20171124T114006_CO01 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPRIB_20171124T114053_20171124T11006_CO01 Attitude correction missing The attitude has not been correc	CS_OFFL_SIR_GOPR1B_20171124T024059_20171124T024102_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T033042_20171124T0340821_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T034020_20171124T041004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T04120_20171124T041455_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T04120_20171124T04155_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T041737_20171124T04155_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T052701_20171124T052393_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T053150_20171124T053358_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T05405203_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T066800_Z0171124T069000_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T072755_20171124T069000_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T072755_20171124T089000_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T085720_20171124T085810_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T0695215_20171124T095466_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T103452_20171124T100944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104000_20171124T104040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114452_20171124T1140000_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1124T124T124T12450_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_	CS_OFFL_SIR_GOPR1B_20171124T025801_20171124T030011_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T034620_20171124T040816_20171124T040816_20171124T040010 CS_OFFL_SIR_GOPR1B_20171124T040816_20171124T04104_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T041737_20171124T041455_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T041737_20171124T041925_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T052710_20171124T052393_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T053150_20171124T052393_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T054823_20171124T053535_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T054823_20171124T060808_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T065403_20171124T060908_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T055753_20171124T060303_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T065752_20171124T065810_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T065752_20171124T065636_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T103345_20171124T103724_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T103452_20171124T103724_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104034_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114590_20171124T114500_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1124T124T124000_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1124T12	CS_OFFL_SIR_GOPR1B_20171124T031444_20171124T031533_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T040120_20171124T04125_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T041203_20171124T04125_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T052701_20171124T0525399_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T052701_20171124T0525399_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T053150_20171124T053358_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T054823_20171124T05408_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T060803_20171124T06908_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T072750_20171124T080330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T072750_20171124T086910_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T086910_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100421_20171124T00941_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100342_20171124T100944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104041_20171124T10424_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T10401_20171124T10424_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T11403_20171124T1140424_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T11401201_20171124T120104_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12011201120104_C001 Attitude correction missing The attitude has not been corrected C	CS_OFFL_SIR_GOPR1B_20171124T033042_20171124T033110_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T041203_20171124T04195_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T052701_20171124T052939_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T053150_20171124T053338_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T053350_20171124T053338_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T054823_20171124T055408_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T068032_C0171124T0660906_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T075753_20171124T072902_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T075753_20171124T085810_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T085720_20171124T085810_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T095636_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100402_20171124T109744_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100401_20171124T104744_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T10424_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1104001_20171124T104006_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114003_20171124T114018_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1124T114053_20171124T12004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1124T114550_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_G	CS_OFFL_SIR_GOPR1B_20171124T034620_20171124T034821_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T052701_20171124T052939_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T053150_20171124T053358_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T054823_20171124T055358_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T066803_20171124T066900_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T066803_20171124T072902_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T072750_20171124T072902_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T075753_20171124T080330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T085215_20171124T086810_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T095639_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T00642_20171124T100944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T103345_20171124T103724_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1104001_20171124T104234_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114000_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_201711124T114000_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1124T12041_20171124T12004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1124T12755_20171124T122040_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T132540_C001 Attitude correction missing The attitude has n	CS_OFFL_SIR_GOPR1B_20171124T040816_20171124T041004_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T052701_20171124T052939_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T053150_20171124T053358_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T068033_20171124T069098_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T072750_20171124T072902_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T0775753_20171124T080330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T085720_20171124T080330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T085720_20171124T085810_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T095636_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100842_20171124T103724_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T103345_20171124T103724_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104014_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T11403345_20171124T114023_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T11495_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T11495_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T124T124T120108_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T124T124T12540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T124T124T1255_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T124T	CS_OFFL_SIR_GOPR1B_20171124T041203_20171124T041455_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T053150_20171124T05338_C001 Attitude correction missing The attitude has not been corrected The attitude has no	CS_OFFL_SIR_GOPR1B_20171124T041737_20171124T041925_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T054823_20171124T05540B_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T075753_20171124T080330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T085753_20171124T080330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T085720_20171124T085810_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T095636_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100642_20171124T100944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104234_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T11403_20171124T114066_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T11403_20171124T114066_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1124B_20171124T12008_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12154B_20171124T12004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12154B_20171124T123540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12755_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T13105B_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1124T1311255_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T14141414141414144_C001 Attitude correction missing The attitude has not been corr	CS_OFFL_SIR_GOPR1B_20171124T052701_20171124T052939_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T060803_20171124T060908_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T072750_20171124T080330_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T085720_20171124T085810_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T095636_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100942_20171124T100944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100942_20171124T100944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T103345_20171124T103724_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104234_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114003_20171124T11406_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12041_20171124T120108_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12548_20171124T12004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12548_20171124T120540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T1313058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected The attitude has not been corrected The atti	CS_OFFL_SIR_GOPR1B_20171124T053150_20171124T053358_C001	Attitude correction missing	The attitude has not been corrected
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CS_OFFL_SIR_GOPR1B_20171124T085753_20171124T085810_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T095636_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T00944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100642_20171124T100944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T103345_20171124T103724_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104234_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114003_20171124T114006_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T120041_20171124T120108_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T121548_20171124T122004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T122755_20171124T123540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140144_20171124T140144_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T145811_20171124T145817_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T060803_20171124T060908_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T085720_20171124T095636_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T00642_20171124T100944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T100642_20171124T100944_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T103345_20171124T103724_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104034_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114003_20171124T11406_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T120041_20171124T120108_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12548_20171124T12004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T121548_20171124T123540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T1310540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T072750_20171124T072902_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T095436_C001 CS_OFFL_SIR_GOPR1B_20171124T100642_20171124T100944_C001 Attitude correction missing The attitude has not been corrected 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 The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104234_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 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 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_20171124T075753_20171124T080330_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T100642_20171124T100944_C001 CS_OFFL_SIR_GOPR1B_20171124T103345_20171124T103724_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104234_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114003_20171124T114006_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T120041_20171124T120108_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12548_20171124T12004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T121548_20171124T122004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12555_20171124T12540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T13105_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T085720_20171124T085810_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T103345_20171124T104234_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114003_20171124T114006_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T120041_20171124T120108_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T121548_20171124T122004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12755_20171124T123540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T095215_20171124T095636_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104234_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T120041_20171124T120108_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T121548_20171124T122004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T122755_20171124T123540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T100642_20171124T100944_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T114003_20171124T114006_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 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 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 The attitude has not been corrected Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T103345_20171124T103724_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001 Attitude correction missing The attitude has not been corrected 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 has not been corrected Attitude correction missing The attitude has not been corrected The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T104001_20171124T104234_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T120041_20171124T120108_C001 Attitude correction missing The attitude has not been corrected 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 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_20171124T114003_20171124T114006_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T121548_20171124T122004_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T12755_20171124T123540_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T145811_20171124T145817_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T114539_20171124T114950_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T122755_20171124T123540_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	CS_OFFL_SIR_GOPR1B_20171124T120041_20171124T120108_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001 Attitude correction missing The attitude has not been corrected Attitude correction missing CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_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_20171124T121548_20171124T122004_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001 Attitude correction missing The attitude has not been corrected CS_OFFL_SIR_GOPR1B_20171124T145811_20171124T145817_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T122755_20171124T123540_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T145811_20171124T145817_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T131058_20171124T131205_C001	Attitude correction missing	The attitude has not been corrected
	CS_OFFL_SIR_GOPR1B_20171124T140142_20171124T140144_C001	Attitude correction missing	The attitude has not been corrected
00 0FFL 0ID 00DD4D 004744047450 0047440474510F4 0004	CS_OFFL_SIR_GOPR1B_20171124T145811_20171124T145817_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIK_GOPK1B_Z01711241154150_201711241154354_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T154150_20171124T154354_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T154610_20171124T155259_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T154610_20171124T155259_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T170856_20171124T171017_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T170856_20171124T171017_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T171809_20171124T171833_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T171809_20171124T171833_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T173021_20171124T173118_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T173021_20171124T173118_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T201342_20171124T201921_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T201342_20171124T201921_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T204003_20171124T204742_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T204003_20171124T204742_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T213929_20171124T214351_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T213929_20171124T214351_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T221625_20171124T221714_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T221625_20171124T221714_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T221919_20171124T222602_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T221919_20171124T222602_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T223100_20171124T223139_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T223100_20171124T223139_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T223757_20171124T223825_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T223757_20171124T223825_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171124T231807_20171124T232206_C001 Attitude correction missing The attitude has not been corrected	CS_OFFL_SIR_GOPR1B_20171124T231807_20171124T232206_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.

Pro-direct	Took Folland	Description
Product CS OFFL SIR GOPM1B 20171124T001240 20171124T004815 C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records
		·
CS_OFFL_SIR_GOPM1B_20171124T021358_20171124T022253_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20171124T042127_20171124T043543_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20171124T152355_20171124T154016_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T023541_20171124T023702_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T023944_20171124T024059_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T041455_20171124T041600_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T072718_20171124T072750_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T105525_20171124T105855_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T140145_20171124T140248_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T140552_20171124T140655_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T154354_20171124T154609_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T164703_20171124T165031_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T181937_20171124T182146_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171124T203550_20171124T204003_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171124T004857_20171124T005543_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171124T040816_20171124T041004_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171124T041203_20171124T041455_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171124T054704_20171124T054823_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171124T081257_20171124T081647_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:

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:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20171124T174444_20171124T174515_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_20171124T000047_20171124T000548_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T001240_20171124T004815_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T011032_20171124T013325_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T015229_20171124T020723_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T020727_20171124T020916_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T021358_20171124T022253_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T022342_20171124T022516_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T024102_20171124T025801_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T030012_20171124T031444_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T032155_20171124T032404_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOPM_2_20171124T032454_20171124T032907_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T033111_20171124T034620_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T034821_20171124T035743_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20171124T041600 20171124T041645 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T042127_20171124T043543_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T044228_20171124T045543_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20171124T045950 20171124T050808 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T051119_20171124T052701_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T052939_20171124T053150_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T060908_20171124T063452_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T064127_20171124T064634_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T065104_20171124T071448_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T074637_20171124T075752_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20171124T080330 20171124T081257 C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20171124T081808 20171124T081853 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20171124T082051 20171124T082653 C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T083006_20171124T085720_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T000000_20171124T0005720_C001	Ocean Range Averaging Status	records. The Ocean 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_20171124T091957_20171124T095215_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T095959_20171124T100524_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T100944_20171124T101317_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T104340_20171124T104705_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T105900_20171124T110803_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T111048_20171124T113215_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T114007_20171124T114415_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T114950_20171124T120040_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T120108_20171124T120552_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T123540_20171124T131057_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T131408_20171124T131900_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T131920_20171124T132251_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T133001_20171124T140141_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T140330_20171124T140552_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T141640_20171124T142842_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T143323_20171124T145040_C001 CS_OFFL_SIR_GOPM_2_20171124T145244_20171124T145758_C001	Ocean Range Averaging Status Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
		records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T145834_20171124T150008_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T150804_20171124T152140_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T152354_20171124T154016_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T160322_20171124T161342_C001	Ocean Range Averaging Status Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T161521_20171124T162913_C001		records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T163208_20171124T163709_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T163747_20171124T163849_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T164543_20171124T164703_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T165031_20171124T165847_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T170244_20171124T170733_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T171722_20171124T171809_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T174621_20171124T180744_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T181240_20171124T181625_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T181647_20171124T181937_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T182339_20171124T185127_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171124T192311_20171124T194701_C001	Ocean Range Averaging Status	records.

CS_OFFL_SIR_GOPM_2_20171124T195022_20171124T195539_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T200315_20171124T201342_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T201921_20171124T203550_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T210627_20171124T211759_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T212213_20171124T212614_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T213022_20171124T213816_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T214351_20171124T221540_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T222850_20171124T222954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T225419_20171124T230416_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T232206_20171124T234321_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T234606_20171124T235743_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171124T041645_20171124T041737_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171124T064045_20171124T064127_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171124T100524_20171124T100642_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171124T212857_20171124T213022_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171124T223139_20171124T223302_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171124T041025_20171124T041203_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171124T113215_20171124T113535_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171124T122406_20171124T122513_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171124T131913_20171124T131920_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171124T163709_20171124T163716_C001	Ice Range Averaging Status	The Ice 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.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20171124T000047_20171124T000548_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T001240_20171124T004815_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_20171124T011032_20171124T013325_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_20171124T015229_20171124T020723_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_20171124T020727_20171124T020916_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_20171124T021358_20171124T022253_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_20171124T023702_20171124T023944_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T024102_20171124T025801_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_20171124T030012_20171124T031444_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_20171124T032155_20171124T032404_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T033111_20171124T034620_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_20171124T034821_20171124T035743_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_20171124T041600_20171124T041645_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T042127_20171124T043543_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_20171124T044228_20171124T045543_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_20171124T045950_20171124T050808_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T051119_20171124T052701_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_20171124T052939_20171124T053150_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_20171124T060908_20171124T063452_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_20171124T064127_20171124T064634_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171124T065104_20171124T071448_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_20171124T074637_20171124T075752_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

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Corp. Set Corp. 2 administrational part of the corp. Set Corp. Set Corp.	CS_OFFL_SIR_GOPM_2_20171124T081808_20171124T081853_C001	Ice Backscatter Averaging Status	
Part	CS_OFFL_SIR_GOPM_2_20171124T082051_20171124T082653_C001	Ice Backscatter Averaging Status	
Description	CS_OFFL_SIR_GOPM_2_20171124T083006_20171124T085720_C001		The SWH and Ocean Averaging Status Flags have been set for one or
Dig. The Command 2 pht 12 miles 10	CS_OFFL_SIR_GOPM_2_20171124T090422_20171124T090659_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Co. DPT, SIR GOM 2, 2017112110362 (20171211700502 (2017) CO. DPT, SIR GOM 2, 20171121170362 (20171217100502 (2017) CO. DPT, SIR GOM 2, 20171121710362 (20171217100502 (2017) CO. DPT, SIR GOM 2, 20171121710362 (2017) CO. DPT, SIR GOM 2, 20171	CS OFFL SIR GOPM 2 20171124T091957 20171124T095215 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
Co. CHIL, SR. COMIL, 2-07112411999, 20112411993, 2001			The Ice Backscatter Averaging Status Flag has been set for one or more
COUNT_SR_COM_2_2017134T11060_0017124T11051_0011 COUNT_SR_COM_2_2017134T11060_0017124T1351_0011 COUNT_SR_COM_2_2017134T11060_0017124T1351_0011 COUNT_SR_COM_2_2017134T11060_0017124T1351_0011 COUNT_SR_COM_2_2017134T13060_0017124T1351_0011 COUNT_SR_COM_2_2017134T13000_0017124T1351_0011 COUNT_SR_COM_2_2017134T13000_0017124T1351_0011 COUNT_SR_COM_2_2017134T13000_0017124T1351_0011 COUNT_SR_COM_2_2017134T13000_0017124T1351_0011 COUNT_SR_COM_2_2017134T13000_0017124T13010_0011 COUNT_SR_COM_2_2017134T13000_0017124T13000_00		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
G. GHL BIR GOMA 2 2011124111048 2011124110402 C001 G. GHL BIR GOMA 2 2011124110402 C001104110402 C001 G. GHL BIR GOMA 2 2011124110402 C001104110400 C001 G. GHL BIR GOMA 2 2011124110402 C001104110400 C001 G. GHL BIR GOMA 2 2011124110402 C001104110400 C001 G. GHL BIR GOMA 2 2011124110400 C00110410400 C001 G. GHL BIR GOMA 2 2011124110400 C001104110400 C001 G. GHL BIR GOMA 2 2011124110400 C00110410400 C001 G. GHL BIR GOMA 2 201112410400 C00110410400 C001 G. GHL BIR GOMA 2 20111241000 C00110410400 C001 G. GHL BIR GOMA 2 201111241000 C001 G. GHL BIR GOMA 2 201111241000 C001 G. GHL BIR GOMA 2 20111124		SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_CPE_SR_GORW_2_2011112111203_2011121111201_COID CS_CPE_SR_GORW_2_201112111203_2011121111201_COID CS_CPE_SR_GORW_2_201112111203_2011121111201_COID CS_CPE_SR_GORW_2_201112111203_2011121111201_COID CS_CPE_SR_GORW_2_201112111203_201112111201_COID CS_CPE_SR_GORW_2_201112111203_201112111201_COID CS_CPE_SR_GORW_2_201112111203_20111211201_COID CS_CPE_SR_GORW_2_20111211203_20111211201_COID CS_CPE_SR_GORW_2_20111211203_20111211201_COID CS_CPE_SR_GORW_2_20111211203_20111211201_COID CS_CPE_SR_GORW_2_20111211203_20111211201_COID CS_CPE_SR_GORW_2_20111211203_20111211211201_COID CS_CPE_SR_GORW_2_20111211203_20111211201_COID CS_CPE_SR_GORW_2_20111211203_201112011201_COID CS_CPE_SR_GORW_2_20111211203_20111211201_COID CS_CPE_SR_GORW_2_20111211203_201_COID 12011201_COID CS_CPE_SR_GORW_2_20111211203_201_COID 120112			
CB_CPFBIT_CORM_2_20111121112018D01112211309L_D01 CB_CPFBIT_CORM_2_2011121112018D01112211309L_D01 CB_CPFBIT_CORM_2_2011121113018D01112211309L_D01 CB_CPFBIT_CORM_2_2011121113018D01112211309L_D01 CB_CPFBIT_CORM_2_20111211309L_D01112211309L_D01 CB_CPFBIT_CORM_2_20111211309L_D01112211309L_D01 CB_CPFBIT_CORM_2_20111211309L_D01112211309L_D01 CB_CPFBIT_CORM_2_20111211309L_D01112211309L_D01 CB_CPFBIT_CORM_2_201112211309L_D01112211309L_D01 CB_CPFBIT_CORM_2_201112211309L_D0			
SOFFL, SR, GOPU 2, 2011121112102, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 2011121112112010, 201112112010, 201112112010,			
Secretary Averaging Status. Plags There been set for one or more five from or five five five five five five five five			records.
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Segregate (Company 2, 2011)1141116120, 2011124116250, 2010 Segregate (Company 2, 2011)1141116130, 2011124116250, 2011 Segregate (Company 2, 2011)114111620, 2011124116250, 2011 Segregate (Company 2, 2011)11411630, 2011124116308, 201112		Backscatter Averaging Status	more records.
S. GFFL_SR_GOPM_2_20171121110002_20171124T16010_001 SG_GFFL_SR_GOPM_2_201711211101002_20171124T16010_001 SG_GFFL_SR_GOPM_2_20171124T16000_20171124T16010_001 SG_GFFL_SR_GOPM_2_20171124T16000_20171124T16010_001 SG_GFFL_SR_GOPM_2_20171124T16000_20171124T16010_001 SG_GFFL_SR_GOPM_2_20171124T16000_20171124T16000_001 SG_GFFL_SR_GOPM_2_20171124T16000_20171124T16000_001 SG_GFFL_SR_GOPM_2_20171124T16000_2010 SG_GFFL_SR_GOPM_2_20171124T16000_2010 SG_GFFL_SR_GOPM_2_20171124T16000_2010 SG_GFFL_SR_GOPM_2_20171124T16000_2010 SG_GFFL_SR_GOPM_2_20171124T16000_2010 SG_GFFL_SR_GOPM_2_20171124T16000_2010 SG_GFFL_SR_GOPM_2_20171124T16000_2011 SG_GFFL_SR_GOPM_2_20171124T160000_2011 SG_GFFL_SR_GOPM_2_20171124T160000_2	CS_OFFL_SIR_GOPM_2_20171124T123540_20171124T131057_C001		more records.
S. OFFL.SR. GOPM 2 20171124T140300 20171124T140502 2010 S. OFFL.SR. GOPM 2 20171124T140300 20171124T140502 2010 S. OFFL.SR. GOPM 2 20171124T14040 20171124T140502 2010 S. OFFL.SR. GOPM 2 20171124T14040 20171124T140502 2010 S. OFFL.SR. GOPM 2 20171124T14040 20171124T140500 2010 S. OFFL.SR. GOPM 2 20171124T14040 20171124T140500 2010 S. OFFL.SR. GOPM 2 20171124T14040 20171124T140500 2010 S. OFFL.SR. GOPM 2 20171124T14040 20171124T14050 2010 S. OFFL.SR. GOPM 2 20171124T14040 20171124T16040 2010 S. OFFL.SR. GOPM 2 20171124T14040 20171124T16040 2010 S. OFFL.SR. GOPM 2 20171124T16040 20171124T16040 2010 S.	CS_OFFL_SIR_GOPM_2_20171124T131408_20171124T131900_C001	Ice Backscatter Averaging Status	records.
So OFFL. SIR. QOPM201711241140303_0717124114034_2001 So OFFL. SIR. QOPM201711241140330_0717124114034_2001 So OFFL. SIR. QOPM201711241140330_07171241140300_0001 So OFFL. SIR. QOPM20171124114034_20171124114030_0001 So OFFL. SIR. QOPM20171124114030_0717124114030_0001 So OFFL. SIR. QOPM20171124114030_0717124115000_0001 So OFFL. SIR. QOPM20171124114030_0717124115000_0001 So OFFL. SIR. QOPM20171124114030_0717124115000_0001 So OFFL. SIR. QOPM20171124114030_0717124115000_0001 So OFFL. SIR. QOPM20171124116030_071124116030_0001 So OFFL. SIR. QOPM20171124116030_0711124116030_0001 So OFFL. SIR. QOPM20171124116030_0001 So OFFL. SIR. QOPM20171124110000_0001 So OFFL. SIR. QOPM20171124110000_0001 So	CS_OFFL_SIR_GOPM_2_20171124T131920_20171124T132251_C001	7 7	records.
So CPFL_SR_GOPM_2_20171124T16322_20171124T16352_201	CS_OFFL_SIR_GOPM_2_20171124T133001_20171124T140141_C001		more records.
Society Services (1997) and the services of th	CS_OFFL_SIR_GOPM_2_20171124T140330_20171124T140552_C001	Ice Backscatter Averaging Status	
South Jan. (2014). 201711241146834_201711474758_0001 So (PFL_SIR_GOPM_2_20171124115684_2017114747580_0001 So (PFL_SIR_GOPM_2_20171124715680_20171124715410_0001 So (PFL_SIR_GOPM_2_201711247154884_20171124715400_001) So (PFL_SIR_GOPM_2_201711247154884_20171124715400_001) So (PFL_SIR_GOPM_2_201711247154884_20171124715400_001) So (PFL_SIR_GOPM_2_201711247154884_20171124715400_001) So (PFL_SIR_GOPM_2_201711247154884_2017112471640_001) So (PFL_SIR_GOPM_2_20171124716402_20171124716370_001) So (PFL_SIR_GOPM_2_20171124716370_20171124716390_001) So (PFL_SIR_GOPM_2_20171124716370_20171124716390_001) So (PFL_SIR_GOPM_2_20171124716370_20171124716390_001) So (PFL_SIR_GOPM_2_20171124716370_20171124716390_001) So (PFL_SIR_GOPM_2_20171124716391_20171124716390_001) So (PFL_SIR_GOPM_2_20171124716391_20171124716390_001) So (PFL_SIR_GOPM_2_20171124716391_2017112471690_001) So (PFL_SIR_GOPM_2_20171124716400_2017112471690_001) So (PFL_SIR_GOPM_2_20171124716400_2017112471690_001) So (PFL_SIR_GOPM_2_20171124716400_2017112471690_001) So (PFL_SIR_GOPM_2_20171124716400_20171124716900_001) So (PFL_SIR_GOPM_2_20171124716400_20171124716900_001) So (PFL_SIR_GOPM_2_20171124716400_20171124716900_001) So (PFL_SIR_GOPM_2_20171124716400_20171124716900_001) So (PFL_SIR_GOPM_2_20171124716400_20171124716900_001) So (PFL_SIR_GOPM_2_20171124716400_20171124716900_001) So (PFL_SIR_GOPM_2_201711247124712400_001) So (PFL_SIR_GOPM_2_2017112471247124710400_001) So (PFL_SIR_GOPM_2_201711247124712400_001) So (PFL_SIR_GOPM_2_20171124712471241000_001) So (PFL_SIR_GOPM_2_2017112471247124000_001) So (PFL_SIR_GOPM_2_2017112471247124000_001) So (PFL_SIR_GOPM_2_2017112471247124000_001) So (PFL_SIR_GOPM_2_201711247124712400_001) So (PFL_SIR_GOPM_2_2017112471247124000_001) So (PFL_SIR_GOPM_2_2017112471247124000_001) So (PFL_SIR_GOPM_2_201711247124000_001) So (PFL_SIR_GOPM_2_2017112471247000_001) So (PFL_SIR_GOPM_2_2017112471247000_001) So (PFL_SIR_GOPM_2_20171124712470000_001) So (PFL_SIR_GOPM_2_201711247124000_001) So (PFL_SIR_G	CS_OFFL_SIR_GOPM_2_20171124T141640_20171124T142842_C001		
SCOFFL_SR_GOPM_2_20171124T16928_20171124T16929_20171124T16939_2017	CS_OFFL_SIR_GOPM_2_20171124T143323_20171124T145040_C001		
SCOPEL_SIR_GOPM_2_20171124T16308_2017124T16314_C001 SCOPEL_SIR_GOPM_2_20171124T16324_2017124T16314_C001 SCOPEL_SIR_GOPM_2_20171124T16322_2017124T16314_C001 SCOPEL_SIR_GOPM_2_20171124T16328_2017124T163700_C001 SCOPEL_SIR_GOPM_2_20171124T16328_2017124T163700_C001 SCOPEL_SIR_GOPM_2_20171124T16328_2017124T163700_C001 SCOPEL_SIR_GOPM_2_20171124T16328_2017124T163700_C001 SCOPEL_SIR_GOPM_2_20171124T16328_2017124T163700_C001 SCOPEL_SIR_GOPM_2_20171124T16328_2017124T163700_C001 SCOPEL_SIR_GOPM_2_20171124T16328_2017124T163647_C001 SCOPEL_SIR_GOPM_2_20171124T16301_2017124T163000_C001 SCOPEL_SIR_GOPM_2_20171124T170244_2017124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T17024_2017124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T17024_2017124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T17024_2017124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T16300_C001 SCOPEL_SIR_GOPM_2_20171124T10001_C001 SCOPEL_SIR_GOPM_2_20171124T10001_C001 SCOPEL_SIR_GOPM_2_20171124T10001_C001 SCOPEL_SIR_GOPM_2_20171124T10001_C001 SCOPEL_SIR_GOPM_2_20171124T10001_C001 SCOPEL_SIR_GOPM_2_20171124T10001_C001 SCOPEL_SIR_GOPM_2_20171124T10001_C001 SCOPEL_SIR_GOPM_2_20171124T120001_C001 SCOPEL_SIR_GOPM_2_20171124T120001_C001 SCOPEL_SIR_GOPM_2_20171124T120001_C001 SCOPEL_SIR_GOPM_2_20171124T20001_C001	CS_OFFL_SIR_GOPM_2_20171124T145244_20171124T145758_C001	Ice Backscatter Averaging Status	
SOFFL SIR_GOPM_2_20171124T16302_20171124T18319_C001 SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. SwH Averaging Status. Cean Backscatter Averaging Status. Cean Backscatter Averaging Status. Cean Backscatter Averaging Status. SwH Averaging Status. Cean Backscatter Averaging Status. SwH Averaging Status. Cean Backscatter Averaging Status. SwH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging Status. Flags have been set for one or more records. SWH Averaging Status. Cean Backscatter Averaging	CS_OFFL_SIR_GOPM_2_20171124T145834_20171124T150008_C001	Ice Backscatter Averaging Status	
SOFFL SIR_GOPM_2_20171124T160322_2017124T161342_CO01 SOFFL SIR_GOPM_2_20171124T161522_2017124T16379_CO01 SOFFL SIR_GOPM_2_20171124T163289_CO01 SOFFL SIR_GOPM_2_20171124T16379_CO01 SOFFL SIR_GOPM_2_20171124T16309_CO01 SOFFL SIR_GOPM_2_20171124T16309_CO01 SOFFL SIR_GOPM_2_20171124T16309_CO01 SOFFL SIR_GOPM_2_20171124T16309_CO01 SOFFL SIR_GOPM_2_20171124T16309_CO01 SOFFL SIR_GOPM_2_20171124T16309_CO01 SOFFL SIR_GOPM_2_20171124T16000_CO01 SOFFL SIR_GOPM_2_20171124T1200015_C0171124T105509_CO01 SOFFL SIR_GOPM_2_20171124T12720005_C017124T105000_CO01 SOFFL SIR_GOPM_2_20171124T12720005_C017124T105000_CO01 SOFFL SIR_GOPM_2_20171124T12720005_C017124T126000_CO01 SOFFL SIR_GOPM_2_20171124T12720005_C017124T20005_C001 SOFFL SIR_GOPM_2_20171124T20005_C017124T20005_C001 SOFF	CS_OFFL_SIR_GOPM_2_20171124T150804_20171124T152140_C001		The SWH and Ocean Averaging Status Flags have been set for one or
SOFFL_SIR_GOPM_2_20171124T163202_20171124T16370_C001 CS_OFFL_SIR_GOPM_2_20171124T163202_20171124T16370_C001 CS_OFFL_SIR_GOPM_2_20171124T163203_20171124T16370_C001 CS_OFFL_SIR_GOPM_2_20171124T163203_20171124T16370_C001 CS_OFFL_SIR_GOPM_2_20171124T16374_20171124T16384_C001 CS_OFFL_SIR_GOPM_2_20171124T16374_20171124T16384_C001 CS_OFFL_SIR_GOPM_2_20171124T16374_20171124T16384_C001 CS_OFFL_SIR_GOPM_2_20171124T16374_2017124T176733_C001 CS_OFFL_SIR_GOPM_2_20171124T177722_20171124T177673_C001 CS_OFFL_SIR_GOPM_2_20171124T177722_20171124T177673_C001 CS_OFFL_SIR_GOPM_2_20171124T177722_20171124T177690_C001 CS_OFFL_SIR_GOPM_2_20171124T177722_20171124T177690_C001 CS_OFFL_SIR_GOPM_2_20171124T177722_20171124T187690_C001 CS_OFFL_SIR_GOPM_2_20171124T18647_20171124T1890_C001 CS_OFFL_SIR_GOPM_2_20171124T18647_20171124T1890_C001 CS_OFFL_SIR_GOPM_2_20171124T18647_20171124T1890_C001 CS_OFFL_SIR_GOPM_2_20171124T18950_2_20171124T1890_C001 CS_OFFL_SIR_GOPM_2_20171124T18932_20171124T1890_C001 CS_OFFL_SIR_GOPM_2_20171124T18932_20171124T1890_C001 CS_OFFL_SIR_GOPM_2_20171124T18932_20171124T18950_C001 CS_OFFL_SIR_GOPM_2_20171124T189502_20171124T18950_C001 CS_OFFL_SIR_GOPM_2_20171124T190012_20171124T189500_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T20134_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T20134_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T20134_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T20134_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T20134_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T20134_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T20154_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T200154_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T200154_C001 CS_OFFL_SIR_GOPM_2_20171124T20015_20171124T200154_C001 CS_OFFL_SIR_GOPM_2_20171124T200152_20171124T200154_C001 CS_OFFL_SIR_GOPM_2_20171124T200152_20171124T200154_C001 CS_OFFL_SIR_GOPM_2_20171124T200152_20171124T200154_C001 CS_OFFL_SIR_GOPM_2_20171124T200152_20171124T200154_C001 CS_OFFL_SIR_GOPM_2_20171124T200152_20171124T	CS_OFFL_SIR_GOPM_2_20171124T152354_20171124T154016_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
SO OFFL SIR_GOPM_2 20171124T16521_20171124T16830_C001 SWH Averaging Status Chean Backscatter Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag has been set for one or one of the SWH and Coean Averaging Status Flag have been set for one or one of the SWH and Coean Averaging Status Flag have been se	CS_OFFL_SIR_GOPM_2_20171124T160322_20171124T161342_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171124T163208_20171124T163549_C001 CS_OFFL_SIR_GOPM_2_20171124T165031_20171124T16547_C001 SWH Averaging Status Coean Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20171124T177624_20171124T17773_C001 SWH Averaging Status Coean Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20171124T177622_20171124T171604_C001 SWH Averaging Status Coean Backscatter Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20171124T174722_20171124T1816054_C001 CS_OFFL_SIR_GOPM_2_20171124T181647_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181647_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181647_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181647_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T1818147_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T1818147_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181847_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T1818187_C001 CS_OFFL_SIR_GOPM_2_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T181837_C001 CS_OFFL_SIR_GOPM_2_20171124T20182_002_20171124T20182_001 SWH Averaging Status, Coean Backscatter Averaging Status SWH Averaging Status SWH Averaging Status SWH Averaging Status SWH Averaging Status The loce Backscatter Averaging Status Flags have been set for one or more records. The SWH and Coean Averaging Status Flags have been set for one or more records. The loce Backscatter Averaging Status Flags have been set for one or more records. The loce Backscatter Averaging Status Flags have been set for one or more records. The loce Backscatter Averaging Status Flags have been set for one or more records. The loce Backscatter Averaging Status Flags have been set for one or m	CS_OFFL_SIR_GOPM_2_20171124T161521_20171124T162913_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171124T165847_20171124T165847_C001 CS_OFFL_SIR_GOPM_2_20171124T165031_20171124T18094_C001 CS_OFFL_SIR_GOPM_2_20171124T17024_20171124T180744_C001 CS_OFFL_SIR_GOPM_2_20171124T17024_20171124T180744_C001 CS_OFFL_SIR_GOPM_2_20171124T180744_C001 CS_OFFL_SIR_GOPM_2_20171124T180744_C001 CS_OFFL_SIR_GOPM_2_20171124T180744_C001 CS_OFFL_SIR_GOPM_2_20171124T180744_C001 CS_OFFL_SIR_GOPM_2_20171124T180742_C001 CS_OFFL_SIR_GOPM_2_20171124T180742_C001 CS_OFFL_SIR_GOPM_2_20171124T180742_C001 CS_OFFL_SIR_GOPM_2_20171124T180742_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C011 CS_OFFL_SIR_GOPM_2_20171124T205050_C011 CS_OFFL_SIR_GOPM_2_20171124T205050_C0171124T205050_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C0171124T205050_C001 CS_OFFL_SIR_GOPM_2_20171124T205050_C0171124T205050_C01 CS	CS OFFL SIR GOPM 2 20171124T163208 20171124T163709 C001		The Ice Backscatter Averaging Status Flag has been set for one or more
SO OFFL SIR GOPM 2_20171124T16031_20171124T180744 COOL SO OFFL SIR GOPM 2_20171124T170244_20171124T180744 COOL SO OFFL SIR GOPM 2_20171124T17024_20171124T180744 COOL SO OFFL SIR GOPM 2_20171124T17124D17024_20171124T180744 COOL SO OFFL SIR GOPM 2_20171124T180744 COOL SO OFFL SIR GOPM 2_20171124T180747 COOL SO OFFL SIR GOPM 2_20171124T20740505 COOL SO OFFL SIR GOPM 2_20171124T20747 COOL SO OFFL SIR GOPM 2_20171124T2074062 COOL	CS OFFL SIR GOPM 2 20171124T163747 20171124T163849 C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
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CS_OFFL_SIR_GOPN_2_20171124T041645_20171124T041737_C001 SWH Averaging Status, Ocean Backscatter Averaging Status Flags have been set for one or more Possible Status Flags have been set for one or more Possible Status Flags have been set for one or more Possible Status Flags have been set for one or more Possible Status Flags have been set for one or more Possible Status Flags have been set for one or more Possible Status Flags have been set for one or more Possible Status Flags have been set for one or more Possible Status Flag	CS_OFFL_SIR_GOPM_2_20171124T234606_20171124T235743_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPN_2_20171124T100524_20171124T100642_C001 SWH Averaging Status, Ocean Backscatter Averaging Status The SWH and Ocean Averaging Status Flags have been set for one or more records. The loe Backscatter Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_GOPN_2_20171124T041645_20171124T041737_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPN_2_20171124T212857_20171124T213022_C001	CS_OFFL_SIR_GOPN_2_20171124T100524_20171124T100642_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
lecoius.	CS_OFFL_SIR_GOPN_2_20171124T212857_20171124T213022_C001		The Ice Backscatter Averaging Status Flag has been set for one or more

CS_OFFL_SIR_GOPN_2_20171124T223139_20171124T223302_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_GOPR_2_20171124T041025_20171124T041203_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_GOPR_2_20171124T113215_20171124T113535_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_GOPR_2_20171124T122406_20171124T122513_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_GOPR_2_20171124T131913_20171124T131920_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171124T163709_20171124T163716_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

5.8 L2 Ocean Retracking Quality Check

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

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

Number of products with errors:

6. 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:

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).

0

Number of products with errors:

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220171124T172706_20171124T181640_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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220171123T231537_20171124T000511_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T000511_20171124T005451_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_220171124T005451_20171124T014425_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T014425_20171124T023404_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T023404_20171124T032338_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_220171124T032338_20171124T041318_C001	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171124T041318_20171124T050252_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_220171124T050252_20171124T055231_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_220171124T055231_20171124T064205_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_220171124T064205_20171124T073145_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_220171124T073145_20171124T082119_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_220171124T082119_20171124T091058_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_220171124T091058_20171124T100033_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T100033_20171124T105012_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_220171124T105012_20171124T113946_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_220171124T113946_20171124T122926_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_20171124T122926_20171124T131900_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_220171124T131900_20171124T140839_C001		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171124T140839_20171124T145813_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_220171124T154753_20171124T163727_C001		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171124T163727_20171124T172706_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T172706_20171124T181640_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_220171124T190620_20171124T195554_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_220171124T195554_20171124T204533_C001		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171124T204533_20171124T213508_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_220171124T213508_20171124T222447_C001		The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171124T222447_20171124T231421_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_220171124T231421_20171125T000400_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

6.7 P2P SWH and Backscatter Measurement Check

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220171123T231537_20171124T000511_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T000511_20171124T005451_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_GOP_220171124T005451_20171124T014425_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_GOP_220171124T014425_20171124T023404_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_GOP_220171124T023404_20171124T032338_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_220171124T032338_20171124T041318_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_2_20171124T041318_20171124T050252_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_2_20171124T050252_20171124T055231_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_220171124T055231_20171124T064205_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_220171124T064205_20171124T073145_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_2_20171124T073145_20171124T082119_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_220171124T082119_20171124T091058_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_220171124T091058_20171124T100033_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_GOP_220171124T100033_20171124T105012_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_220171124T105012_20171124T113946_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_220171124T113946_20171124T122926_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_2_20171124T122926_20171124T131900_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_2_20171124T131900_20171124T140839_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_220171124T140839_20171124T145813_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_220171124T154753_20171124T163727_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_220171124T163727_20171124T172706_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_GOP_220171124T172706_20171124T181640_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_220171124T190620_20171124T195554_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_220171124T195554_20171124T204533_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or

CS_OFFL_SIR_GOP_2_20171124T204533_20171124T213508_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_2_20171124T213508_20171124T222447_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_GOP_220171124T222447_20171124T231421_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_GOP_220171124T231421_20171125T000400_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.

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

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220171124T000511_20171124T005451_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T005451_20171124T014425_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T014425_20171124T023404_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T023404_20171124T032338_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T032338_20171124T041318_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T041318_20171124T050252_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T050252_20171124T055231_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T055231_20171124T064205_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T064205_20171124T073145_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T073145_20171124T082119_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T082119_20171124T091058_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T091058_20171124T100033_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T100033_20171124T105012_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T105012_20171124T113946_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T113946_20171124T122926_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T122926_20171124T131900_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T131900_20171124T140839_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T140839_20171124T145813_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T154753_20171124T163727_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T163727_20171124T172706_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T172706_20171124T181640_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T190620_20171124T195554_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T195554_20171124T204533_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T204533_20171124T213508_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T213508_20171124T222447_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171124T222447_20171124T231421_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171124T231421_20171125T000400_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.