

IDEAS+ Daily Report for IOP data:

31/01/2017



CRYDSAT	IDEAS+ Daily Report	<u>t for IOP data: 3'</u>	<u>1/01/2017</u>
		1. Overview	ب - ,
		Check	Status
Report Production Date:	02-Feb-2017	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal
	Intermediate Ocean Products (IOP)	Product Software Check Product Format Check	Nominal Nominal
Data Used:	L1B and L2 Science Data	Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check Measurement Confidence Data Check	See Section 5.4 See Section 4.6, 5.6, 5.7 and 5.8
		Measurement Connuence Data Check	See Section 4.0, 5.0, 5.7 and 5.0
ssion / Instrument News			
0-Jan-2017 None 1-Jan-2017 None			
1-Feb-2017 Nothing planned			
		2. Global Coverage	
	Global Coverage - North Pole	Glob	al Coverage - South Pole
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		Instrument Configuration	
	ion for the day of acquisition is provided below.		
SIRAL instrument(s) in u	use: SIRAL - A		
	4. IOP	Level 1B Data Quality Check	
L1B Product Form			

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). 0

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.

Fach product is sharked for relative Data Oct D		
Each product is checked for missing Data Set Descriptors with respect to a pr	e-determined baseline and also to check the v	alidity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
	nent record. The hit velve of this flag indicates	
CryoSat L1B data includes a correction error flag (field 60) for each measurer lumber of products with errors: 0	nent record. The bit value of this hag indicates	any problems when set.
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 12) for each lumber of products with errors: 0	measurement record. The bit value of this flag	indicates any problems when set.
I.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag (field 65) for each measurem coss of Echo Flag: This flag is currently set for products over land, but this is	-	any problems when set.
umber of products with errors: 9		
roduct	Toot Eailad	Description
S OFFL SIR IOP 1B 20170131T023652 20170131T024659 B001	Loss of Echo	Description The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20170131T070748_20170131T071024_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20170131T072920_20170131T073310_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20170131T092343_20170131T093220_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20170131T102059_20170131T102214_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20170131T110831_20170131T110943_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20170131T142736_20170131T142805_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20170131T192601_20170131T192714_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_IOP_1B_20170131T223552_20170131T223747_B001	Loss of Echo	The tracking echo is missing for one or more records
5 10	OP Level 2 Data Quality Ch	eck
.1 L2 Product Format Check		
ach 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).
umber of products with errors: 0		
5.2 L2 Product Header Analysis		
or all products, a series of pre-defined checks are performed on the MPH an	nd SPH in order to identify any inconsistencies	and/or errors raised by the ground-segment processing chain
lumber of products with errors: 0		
5.3 L2 Auxiliary Data File Usage Check		
ach product is checked for missing Data Set Descriptors with respect to a pr	e-determined baseline and also to check the v	alidity of Auxiliary Data Files is correct.
	e-determined baseline and also to check the v	alidity of Auxiliary Data Files is correct.
Ind Model File Usage: This file is currently not included in all L2 products.	e-determined baseline and also to check the v	alidity of Auxiliary Data Files is correct.
Vind Model File Usage: This file is currently not included in all L2 products. umber of products with errors: 0	re-determined baseline and also to check the v	alidity of Auxiliary Data Files is correct.
Vind Model File Usage: This file is currently not included in all L2 products. umber of products with errors: 0 5.4 L2 Auxiliary Correction Error Check		alidity of Auxiliary Data Files is correct.
Vind Model File Usage: This file is currently not included in all L2 products. Iumber of products with errors: 0 5.4 L2 Auxiliary Correction Error Check for all products, the auxiliary corrections within the Geophysical Group are ch	necked for the default error value (32767).	
Ind Model File Usage: This file is currently not included in all L2 products. umber of products with errors: 0 6.4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are ch urrently, there are two common auxiliary correction errors raised in the	necked for the default error value (32767). e Level 2 products which are expected due	
Vind Model File Usage: This file is currently not included in all L2 products. Number of products with errors: 0 6.4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are cherter of the second se	necked for the default error value (32767). e Level 2 products which are expected due rom this test.	
Ind Model File Usage: This file is currently not included in all L2 products. umber of products with errors: 0 Ind L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are ch urrently, there are two common auxiliary correction errors raised in the illowed by a table highlighting any additional issues which may arise for ea State Bias Error: The error value is currently set for products over land a	necked for the default error value (32767). a Level 2 products which are expected due rom this test. and sea ice, but this is to be expected.	to surface type. All common flags are summarised in the list below,
Ind Model File Usage: This file is currently not included in all L2 products. umber of products with errors: 0 Ind L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are chertering to a state and the state of the sta	necked for the default error value (32767). a Level 2 products which are expected due rom this test. and sea ice, but this is to be expected.	to surface type. All common flags are summarised in the list below,
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Vind Model File Usage: This file is currently not included in all L2 products. Number of products with errors: 0 6.4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are characteristic with errors and additional issues which may arise free a State Bias Error: The error value is currently set for products over land a litimetric Wind Speed Error: The error value is currently set for products over land a litimetric with errors: 17 roduct	necked for the default error value (32767). a Level 2 products which are expected due rom this test. and sea ice, but this is to be expected. ver land and sea ice, but this is to be expected	to surface type. All common flags are summarised in the list below,
Ind Model File Usage: This file is currently not included in all L2 products. umber of products with errors: 0 A L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are characteristic to a state Bias Error: The error value is currently set for products over land a state Bias Error: The error value is currently set for products over land a litimetric Wind Speed Error: The error value is currently set for products over land a state Bias Error: The error value is currently set for products over land a state of products with errors: 17 roduct S_OFFL_SIR_IOP_2_20170130T234113_20170131T001357_B001	necked for the default error value (32767). a Level 2 products which are expected due rom this test. and sea ice, but this is to be expected. ver land and sea ice, but this is to be expected Test Failed	to surface type. All common flags are summarised in the list below, Description There is an error with the GIM lonospheric correction for one or more records There is an error with the Total Geocentric Ocean Tide beinth (solution)
Ind Model File Usage: This file is currently not included in all L2 products. umber of products with errors: 0 .4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are charrently, there are two common auxiliary correction errors raised in the illowed by a table highlighting any additional issues which may arise for a State Bias Error: The error value is currently set for products over land a timetric Wind Speed Error: The error value is currently set for products over umber of products with errors: 17 roduct S_OFFL_SIR_IOP_2_20170130T234113_20170131T001357_B001 S_OFFL_SIR_IOP_2_20170131T010034_20170131T010406_B001	Test Failed GIM Ionospheric Correction Total Geocentric Ocean Tide (FES), No	to surface type. All common flags are summarised in the list below, Description There is an error with the GIM lonospheric correction for one or more records n- There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one of the feasible feasible for one of the feasible feasible for one of the feasible feasible feasible for one of the feasible fea
Ind Model File Usage: This file is currently not included in all L2 products. umber of products with errors: 0 .4 L2 Auxiliary Correction Error Check or all products, the auxiliary corrections within the Geophysical Group are charrently, there are two common auxiliary correction errors raised in the illowed by a table highlighting any additional issues which may arise frace a State Bias Error: The error value is currently set for products over land a litimetric Wind Speed Error: The error value is currently set for products over umber of products with errors: 17 roduct 17 17 s_OFFL_SIR_IOP_2_20170130T234113_20170131T001357_B001 \$_OFFL_SIR_IOP_2_20170131T010034_20170131T010406_B001 s_OFFL_SIR_IOP_2_20170131T024809_20170131T025756_B001 \$_OFFL_SIR_IOP_2_20170131T024809_20170131T025756_B001	Test Failed GIM Ionospheric Correction Total Geocentric Ocean Tide (FES), No Equilibrium Long Period Ocean Tide	Description There is an error with the GIM lonospheric correction for one or more records There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
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5.4 L2 Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are ch Currently, there are two common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise fr Sea State Bias Error: The error value is currently set for products over land a Altimetric Wind Speed Error: The error value is currently set for products over	necked for the default error value (32767). a Level 2 products which are expected due rom this test. and sea ice, but this is to be expected. ver land and sea ice, but this is to be expected. Test Failed GIM lonospheric Correction Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide Total Geocentric Ocean Tide (FES) Total Geocentric Ocean Tide (FES)	Description There is an error with the GIM lonospheric correction for one or more records There is an error with the Total Geocentric Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height (solutil FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solutil FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solutil FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height for on more records There is an error with the Total Geocentric Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height for on more records There is an error with the Total Geocentric Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height (solutil FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solutil FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solutil FES) for one or more records There is an error with the Total Geocentric Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height (solutil FES) and the Non-equilibrium Long Period Ocean Tide height (solutil

CS_OFFL_SIR_IOP_220170131T120235_20170131T123623_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170131T125325_20170131T125405_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170131T130113_20170131T130234_B001	For Formation Period Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170131T143206_20170131T143531_B001	For Formation Period Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170131T152644_20170131T155231_B001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOP_220170131T193303_20170131T194012_B001	For Formation Period Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220170131T194135_20170131T194623_B001		There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_IOP_220170131T205533_20170131T210303_B001	Total Geocentric Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 14) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. 0

Number of products with errors:

5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean (field 25) and Ice (field 30) 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. 32

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220170131T002028_20170131T002605_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T010749_20170131T011536_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T015931_20170131T020444_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20170131T033657_20170131T033931_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T033945_20170131T033947_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T033948_20170131T034348_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T042403_20170131T042612_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T051310_20170131T051829_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T051829_20170131T051835_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T051842_20170131T051848_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T051848_20170131T052050_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T065235_20170131T065740_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T065740_20170131T065746_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T065747_20170131T065758_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T065804_20170131T065920_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T083231_20170131T083656_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T083718_20170131T083856_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T101049_20170131T101610_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T101616_20170131T101941_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T115036_20170131T115848_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T133016_20170131T133536_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T151106_20170131T151436_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T165148_20170131T165342_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T165630_20170131T165818_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T174542_20170131T174959_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T183033_20170131T183257_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T183327_20170131T183750_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T191947_20170131T192350_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T200819_20170131T201701_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T214737_20170131T214924_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_2__20170131T215024_20170131T215455_B001 CS_OFFL_SIR_IOP_2__20170131T232940_20170131T233533_B001

Ice Range Averaging Status Ice Range Averaging Status 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 records

5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag (field 49) and an Ocean (field 55) and Ice (field 61) 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. 28

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220170131T010749_20170131T011536_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T015931_20170131T020444_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T033657_20170131T033931_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T033945_20170131T033947_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T033948_20170131T034348_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T051310_20170131T051829_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T051842_20170131T051848_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T051848_20170131T052050_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T065235_20170131T065740_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T065747_20170131T065758_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T065804_20170131T065920_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T083231_20170131T083656_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T083718_20170131T083856_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T101049_20170131T101610_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T101616_20170131T101941_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T115036_20170131T115848_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T133016_20170131T133536_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T151106_20170131T151436_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T165148_20170131T165342_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T165630_20170131T165818_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T174542_20170131T174959_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T183033_20170131T183257_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T183327_20170131T183750_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T191947_20170131T192350_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T200819_20170131T201701_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T214737_20170131T214924_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T215024_20170131T215455_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220170131T232940_20170131T233533_B001	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 (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

162

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

Number of products with errors:

6. IOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_IOP_1B	293	293	293	0	0
SIR_IOP_2	288	288	288	0	0
6.1 QCC Errors					
lumber of QCC reports with err	rors: ()			
6.2 QCC Warnings					
lumber of QCC reports with wa	arnings)			

6.3 Missing QCC Reports

Number of products with missing QCC reports: 0