

IDEAS+ Daily Report for IOP data:

<u>17/03/2016</u>



CRYOSAT			1
		1. Overview	
		Check	Status
eport Production Date:	21-Mar-2016	Server check: science-pds.cryosat.esa.int	Nominal
_		Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal
Doto Llocali	Intermediate Ocean Products (IOP)	Product Format Check	Nominal
Data Used:	L1B and L2 Science Data	Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	See Section 5.4
		Measurement Confidence Data Check	See Section 4.5, 4.6, 5.5, 5.6, 5.7 and 5.8
ion / Instrument News			
Mar-2016 None Mar-2016 None			
Mar-2016 Nothing planned			
		2. Global Coverage	
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		Instrument Configuration	
IRAL instrument configurati	3. I ion for the day of acquisition is provided below.		
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4. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-	e-determined baseline and also to check	k the validity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
4.4 L1B Auxiliary Correction Error Check				
CryoSat L1B data includes a correction error flag (field 60) for each measurement	ent record. The bit value of this flag ind	icates any problems when set.		
Number of products with errors: 0				
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag (field 12) for each n	measurement record. The bit value of th	nis flag indicates any problems when set.		
Number of products with errors: 1		.		
Product	Tost Epilod	Description		
Product CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001	Test Failed Power scaling error	Description There is an error in the scaling of the L1B waveform for one or more records		
CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001		There is an error in the scaling of the L1B waveform for one or more		
CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001 4.6 L1B Waveform Group Data Check	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records		
CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag (field 65) for each measureme	Power scaling error ent record. The bit value of this flag indi	There is an error in the scaling of the L1B waveform for one or more records		
CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag (field 65) for each measureme Loss of Echo Flag: This flag is currently set for products over land, but this is	Power scaling error ent record. The bit value of this flag indi	There is an error in the scaling of the L1B waveform for one or more records		
CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag (field 65) for each measureme	Power scaling error ent record. The bit value of this flag indi	There is an error in the scaling of the L1B waveform for one or more records		
CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag (field 65) for each measureme Loss of Echo Flag: This flag is currently set for products over land, but this is	Power scaling error ent record. The bit value of this flag indi	There is an error in the scaling of the L1B waveform for one or more records		
CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag (field 65) for each measureme Loss of Echo Flag: This flag is currently set for products over land, but this is the Number of products with errors: 12	Power scaling error ent record. The bit value of this flag indit to be expected.	There is an error in the scaling of the L1B waveform for one or more records		
CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag (field 65) for each measureme Loss of Echo Flag: This flag is currently set for products over land, but this is t Number of products with errors: 12 Product	Power scaling error ent record. The bit value of this flag indit to be expected. Test Failed	There is an error in the scaling of the L1B waveform for one or more records cates any problems when set. Description		
CS_OFFL_SIR_IOP_1B_20160317T112152_20160317T112402_B001 4.6 L1B Waveform Group Data Check CryoSat L1B data includes a waveform data flag (field 65) for each measureme Loss of Echo Flag: This flag is currently set for products over land, but this is in Number of products with errors: 12 Product CS_OFFL_SIR_IOP_1B_20160317T025043_20160317T032659_B001	Power scaling error ent record. The bit value of this flag indit to be expected. Test Failed Loss of Echo	There is an error in the scaling of the L1B waveform for one or more records cates any problems when set. Description The tracking echo is missing for one or more records		

 CS_OFFL_SIR_IOP_1B_20160317T172650_20160317T172824_B001
 Loss of Echo
 The tracking echo is missing for one or more records

 CS_OFFL_SIR_IOP_1B_20160317T184756_20160317T190030_B001
 Loss of Echo
 The tracking echo is missing for one or more records

 CS_OFFL_SIR_IOP_1B_20160317T211750_20160317T213755_B001
 Loss of Echo
 The tracking echo is missing for one or more records

 CS_OFFL_SIR_IOP_1B_20160317T222523_20160317T222632_B001
 Loss of Echo
 The tracking echo is missing for one or more records

 CS_OFFL_SIR_IOP_1B_20160317T222523_20160317T222632_B001
 Loss of Echo
 The tracking echo is missing for one or more records

 S_IOP
 Level 2 Data Quality Check
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Loss of Echo

Loss of Echo

Loss of Echo

Loss of Echo

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

The tracking echo is missing for one or more records

5.1 L2 Product Format Check

CS_OFFL_SIR_IOP_1B_20160317T154940_20160317T155136_B001

CS_OFFL_SIR_IOP_1B_20160317T155136_20160317T155332_B001

CS_OFFL_SIR_IOP_1B_20160317T155509_20160317T160312_B001

CS OFFL SIR IOP 1B 20160317T172052 20160317T172447 B001

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

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: 0

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. Wind Model File Usage: This file is currently not included in all L2 products.

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).

Currently, there are two common auxiliary correction errors 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.

Sea State Bias Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220160316T235154_20160317T000749_B001	GIM Ionospheric Correction	There is an error with the GIM lonospheric correction for one or more records
CS_OFFL_SIR_IOP_220160317T010734_20160317T011009_B001	Fauilibrium 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_220160317T022741_20160317T022936_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_220160317T055329_20160317T060458_B001	Fotal 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_220160317T083823_20160317T085414_B001	Fauilibrium 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_220160317T094444_20160317T094657_B001		There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) for one or more records

CS_OFFL_SIR_IOP_220160317T103412_20160317T105010_B001	For the second s	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_220160317T105453_20160317T105548_B001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	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
CS_OFFL_SIR_IOP_220160317T111219_20160317T112149_B001	Fotal Geocentric 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_220160317T122009_20160317T122108_B001	Familibrium Long Period Ocean Lide	more records
CS_OFFL_SIR_IOP_220160317T124616_20160317T124850_B001		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_220160317T125551_20160317T132309_B001	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_220160317T154940_20160317T155136_B001		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_220160317T155136_20160317T155332_B001		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_220160317T210345_20160317T210717_B001	For the second s	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_220160317T210717_20160317T211528_B001	Ocean Tide (FES), Non-Equilibrium Long	There is an error with the MSS height (solution 1), 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_220160317T222523_20160317T222632_B001		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_220160317T223253_20160317T223937_B001		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_220160317T233549_20160317T234722_B001	Total Geocentric Ocean Tide (FES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) 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. Number of products with errors: 1

CS_OFFL_SIR_IOP_220160317T112152_20160317T112402_B001 Power scaling e	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 (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. 33

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220160317T001011_20160317T001456_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T001503_20160317T001511_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T001518_20160317T001638_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T015000_20160317T015355_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T015416_20160317T015741_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T024757_20160317T025043_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T032824_20160317T033309_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T033314_20160317T033645_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T050813_20160317T051337_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T064740_20160317T065235_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T074847_20160317T075415_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T082947_20160317T083140_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T092344_20160317T092647_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T100839_20160317T101053_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T101134_20160317T101553_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T114629_20160317T115457_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T132533_20160317T132728_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T132819_20160317T133309_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T150500_20160317T150527_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T150739_20160317T151336_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T164646_20160317T165207_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_IOP_2_20160317T182655_20160317T183102_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20160317T200043_20160317T200546_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_IOP_2_20160317T200547_20160317T200552_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220160317T182537_20160317T182648_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_2_20160317T200043_20160317T200546_B001 Ice Range Averaging Status records. The Ice Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_IOP_220160317T182655_20160317T183102_B001	Ice Range Averaging Status	
US OFFLISIR JOP 2 201603171200547 201603171200552 BU01 UCE Range Averaging Status	CS_OFFL_SIR_IOP_220160317T200043_20160317T200546_B001	Ice Range Averaging Status	
	CS_OFFL_SIR_IOP_220160317T200547_20160317T200552_B001	Ice Range Averaging Status	
CS_OFFL_SIR_IOP_2_20160317T200552_20160317T200559_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220160317T200552_20160317T200559_B001	Ice Range Averaging Status	
CS_OFFL_SIR_IOP_2_20160317T200607_20160317T200914_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220160317T200607_20160317T200914_B001	Ice Range Averaging Status	
CS_OFFL_SIR_IOP_2_20160317T213936_20160317T214444_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220160317T213936_20160317T214444_B001	Ice Range Averaging Status	
CS_OFFL_SIR_IOP_2_20160317T214444_20160317T214451_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220160317T214444_20160317T214451_B001	Ice Range Averaging Status	
CS_OFFL_SIR_IOP_2_20160317T214522_20160317T214651_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220160317T214522_20160317T214651_B001	Ice Range Averaging Status	
CS_OFFL_SIR_IOP_2_20160317T231854_20160317T232355_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220160317T231854_20160317T232355_B001	Ice Range Averaging Status	
CS_OFFL_SIR_IOP_2_20160317T232402_20160317T232413_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220160317T232402_20160317T232413_B001	Ice Range Averaging Status	
CS_OFFL_SIR_IOP_2_20160317T232436_20160317T232538_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records.	CS_OFFL_SIR_IOP_220160317T232436_20160317T232538_B001	Ice Range Averaging Status	

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220160317T001011_20160317T001456_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T001503_20160317T001511_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T001518_20160317T001638_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T015000_20160317T015355_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T015416_20160317T015741_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T024757_20160317T025043_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T032824_20160317T033309_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T033314_20160317T033645_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T050813_20160317T051337_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T064740_20160317T065235_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T074847_20160317T075415_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T082947_20160317T083140_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T092344_20160317T092647_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T100839_20160317T101053_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T101134_20160317T101553_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T114629_20160317T115457_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T132533_20160317T132728_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T132819_20160317T133309_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T150500_20160317T150527_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T150739_20160317T151336_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T164646_20160317T165207_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T182537_20160317T182648_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T200043_20160317T200546_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T200607_20160317T200914_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T214444_20160317T214451_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T214522_20160317T214651_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T231854_20160317T232355_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220160317T232436_20160317T232538_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.

155

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.