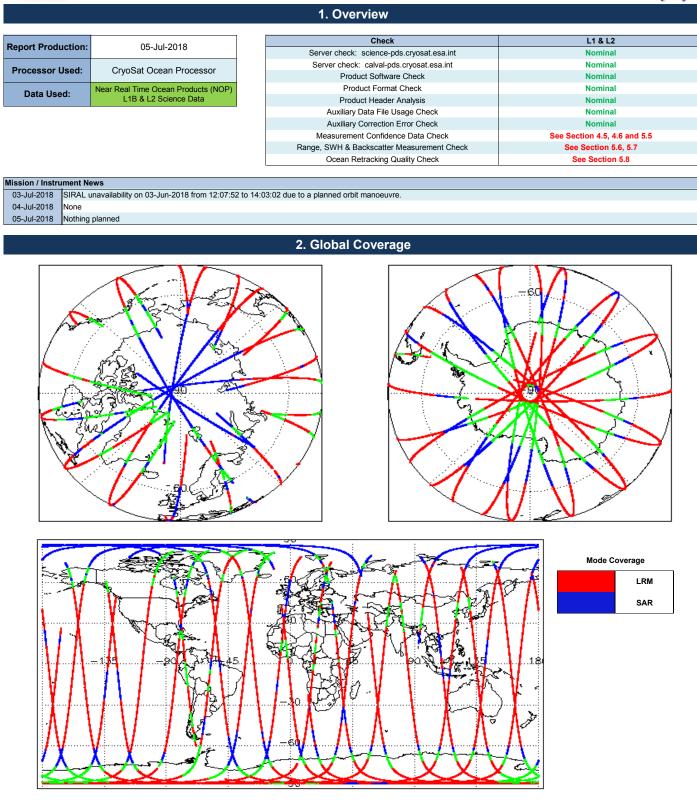


# IDEAS+ Daily Report for NOP data:

# 04/07/2018





# 3. Instrument Configuration

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

SIRAL - A

0

SIRAL instrument(s) in use:

4. NOP Level 1B Data Quality Check

#### 4.1 L1B Product Format Check

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

Number of products with errors:

### 4.2 L1B Product Header Analysis

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

4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pro	e-determined baseline and also to che	eck 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 for each measurement recor	d. The bit value of this flag indicates a	any problems when set.		
lumber of products with errors: 0				
I.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurem	-			
ttitude Correction Missing: This flag is currently set in error for NOPR prod umber of products with errors: 1	ucts due to a configuration issue. Thi	is is being investigated and will be updated in the next SW update.		
roduct S_OFFL_SIR_NOPM1B_20180704T041613_20180704T042937_C001	Test Failed Power scaling error	Description There is an error in the scaling of the L1B waveform for one or more		
3_0FFL_3IK_NOFMITB_201607041041013_201607041042937_C001	Power scaling error	records		
.6 L1B Waveform Group Data Check				
ryoSat L1B data includes a waveform data flag for each measurement record	<ol> <li>The bit value of this flag indicates a</li> </ol>	any problems when set.		
oss of Echo Flag: This flag is currently set for products over land, but this is	-			
umber of products with errors: 12				
roduct	Test Failed	Description		
S_OFFL_SIR_NOPM1B_20180704T153257_20180704T160106_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPM1B_20180704T224629_20180704T224730_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPN1B_20180704T011801_20180704T012012_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPN1B_20180704T085132_20180704T085253_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPN1B_20180704T103037_20180704T103149_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPN1B_20180704T135022_20180704T135125_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPN1B_20180704T143733_20180704T144112_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPN1B_20180704T153034_20180704T153159_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPN1B_20180704T161615_20180704T161732_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPN1B_20180704T175547_20180704T175643_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPN1B_20180704T225841_20180704T230004_C001	Loss of Echo	The tracking echo is missing for one or more records		
S_OFFL_SIR_NOPR1B_20180704T103149_20180704T103503_C001	Loss of Echo	The tracking echo is missing for one or more records		
5. N	OP Level 2 Data Quali	ity Check		
1   2 Product Format Chack				
.1 L2 Product Format Check				
ach product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML hea	ader file (.HDR) and a binary product file (.DBL).		
umber of products with errors: 0				
.2 L2 Product Header Analysis				
or all products, a series of pre-defined checks are performed on the MPH and	d SPH in order to identify any inconsi	stencies and/or errors raised by the ground-segment processing chain.		
umber of products with errors: 0				
umber of products with errors: 0 .3 L2 Auxiliary Data File Usage Check	e-determined baseline and also to cho	eck the validity of Auxiliary Data Files is correct.		
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect is checked for missing Data Set Descriptor	e-determined baseline and also to che	eck the validity of Auxiliary Data Files is correct.		
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a product of products with errors:         0	e-determined baseline and also to cho	eck the validity of Auxiliary Data Files is correct.		
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a pre- umber of products with errors:       0         .4 L2 Auxiliary Correction Error Check				
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a product of products with errors:         0         .4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are checked				
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a pre- umber of products with errors:         0         .4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are check				
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a pro- umber of products with errors:         0         .4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are cher         umber of products with errors:       0				
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a present of products with errors:         0         .4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are chember of products with errors:         0         .5 L2 Measurement Confidence Data Check	ecked for the default error value (327	67).		
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a pre- umber of products with errors:         0         .4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are ch- umber of products with errors:         0         .5 L2 Measurement Confidence Data Check         ryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement	ecked for the default error value (327	67).		
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a products of products with errors:         0         .4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are cheumber of products with errors:         0         .5 L2 Measurement Confidence Data Check         ryoSat L2 data includes a measurement confidence flag for each 20-Hz measuremet of products with errors:	ecked for the default error value (327 surement record. The bit value of this	67). s flag indicates any problems when set.		
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a products is checked for missing Data Set Descriptors with respect to a products with errors:         .4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are cheumber of products with errors:         .5 L2 Measurement Confidence Data Check         ryoSat L2 data includes a measurement confidence flag for each 20-Hz measuremer of products with errors:         1         rooduct	ecked for the default error value (327	67). s flag indicates any problems when set. Description		
umber of products with errors:       0         .3 L2 Auxiliary Data File Usage Check         ach product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a products with errors:         .4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are cheumber of products with errors:         .5 L2 Measurement Confidence Data Check         ryoSat L2 data includes a measurement confidence flag for each 20-Hz measuremer of products with errors:         1         roduct	ecked for the default error value (327 surement record. The bit value of this	67). s flag indicates any problems when set.		
umber 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 product of products with errors:         0         5.4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are checked	ecked for the default error value (327 surement record. The bit value of this	67). s flag indicates any problems when set. Description		
umber 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 pro- umber of products with errors:         0         5.4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are ch- umber of products with errors:         0         5.5 L2 Measurement Confidence Data Check         ryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement of products with errors:         1         roduct         §_OFFL_SIR_NOPM_2_20180704T041613_20180704T042937_C001	ecked for the default error value (327 surement record. The bit value of this Test Failed Power scaling error	67). s flag indicates any problems when set. Description There is an error in the scaling of the L2 waveform for one or more rec		

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 75

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180703T235123_20180704T000143_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS\_OFFL\_SIR\_NOPM\_2\_20180704T000305\_20180704T002453\_C001 CS OFFL SIR NOPM 2 20180704T003118 20180704T003634 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T004043\_20180704T005814\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T012904\_20180704T020315\_C001 CS OFFL SIR NOPM 2 20180704T020650 20180704T021119 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T021138\_20180704T021532\_C001 CS OFFL SIR NOPM 2 20180704T022222 20180704T025346 C001 CS OFFL SIR NOPM 2 20180704T025516 20180704T025808 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T030623\_20180704T032058\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T032539\_20180704T034253\_C001 CS OFFL SIR NOPM 2 20180704T034500 20180704T035018 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T035024\_20180704T035031\_C001 CS OFFL SIR NOPM 2 20180704T040042 20180704T041359 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T041613\_20180704T042937\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T043050\_20180704T043246\_C001 CS OFFL SIR NOPM 2 20180704T045535 20180704T050559 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T050738\_20180704T052143\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T052426\_20180704T052929\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T052935\_20180704T052947\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T053802\_20180704T053902\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T054443\_20180704T055022\_C001 CS OFFL SIR NOPM 2 20180704T055549 20180704T055951 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T060114\_20180704T060219\_C001 CS OFFL SIR NOPM 2 20180704T060234 20180704T060823 C001 CS OFFL SIR NOPM 2 20180704T081540 20180704T083958 C001 CS OFFL SIR NOPM 2 20180704T084236 20180704T084759 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T084805\_20180704T085131\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T085510\_20180704T090601\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T091139\_20180704T092741\_C001 CS OFFL SIR NOPM 2 20180704T095153 20180704T095919 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T095921\_20180704T101126\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T101426\_20180704T101921\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T102236\_20180704T103037\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T103503\_20180704T110749\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T114256\_20180704T115809\_C001 CS OFFL SIR NOPM 2 20180704T120210 20180704T120725 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T121410\_20180704T123540\_C001 CS OFFL SIR NOPM 2 20180704T123825 20180704T124850 C001 CS OFFL SIR NOPM 2 20180704T125921 20180704T130407 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T131829\_20180704T132430\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T132618\_20180704T133646\_C001 CS OFFL SIR NOPM 2 20180704T135345 20180704T143002 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T144232\_20180704T144929\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T144948\_20180704T151401\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T152744\_20180704T153033\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T153257\_20180704T160106\_C001 CS OFFL SIR NOPM 2 20180704T161732 20180704T162121 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T162247\_20180704T163838\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T165339\_20180704T165600\_C001 CS OFFL SIR NOPM 2 20180704T170214 20180704T170450 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T170511\_20180704T170939\_C001

Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ocean Range Averaging Status Ocean Range Averaging Status Ice Range Averaging Status Ice Range Averaging Status

The Ocean 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 ecords 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 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 records The Ocean 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 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 record 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 The Ocean Range Averaging Status Flag has been set for one or more ecords 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 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 records The Ice Range Averaging Status Flag has been set for one or more record The Ice Range Averaging Status Flag has been set for one or more records The Ocean Range Averaging Status Flag has been set for one or more 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 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 records The Ocean 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 The Ice Range Averaging Status Flag has been set for one or more ecords 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 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 records The Ocean 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 ecords 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 records The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more 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 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 ecords 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 records The Ocean 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 The Ocean 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 ecords 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 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 records.

CS_OFFL_SIR_NOPM_2_20180704T171226_20180704T172626_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T172806_20180704T173048_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T180455_20180704T181044_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T181327_20180704T183647_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T184002_20180704T184850_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T185153_20180704T191505_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T194203_20180704T201548_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T202218_20180704T202641_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T203058_20180704T205758_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T212337_20180704T213833_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T214407_20180704T215423_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T220132_20180704T220720_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T220953_20180704T221506_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T221732_20180704T222606_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T224629_20180704T224730_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T230004_20180704T233335_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T234037_20180704T234551_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T234926_20180704T235037_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T235238_20180704T235701_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T235706_20180705T000657_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPN_2_20180704T170450_20180704T170511_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180704T121030_20180704T121410_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPR_2_20180704T143002_20180704T143121_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

## 5.7 L2 SWH and Backscatter Measurement Check

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

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

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

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

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 73

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20180703T235123_20180704T000143_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_NOPM_2_20180704T000305_20180704T002453_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_NOPM_2_20180704T003118_20180704T003634_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T004043_20180704T005814_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_NOPM_2_20180704T012904_20180704T020315_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_NOPM_2_20180704T020650_20180704T021119_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T021138_20180704T021532_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T022222_20180704T025346_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_NOPM_2_20180704T025516_20180704T025808_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T030623_20180704T032058_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_NOPM_2_20180704T032539_20180704T034253_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_NOPM_2_20180704T034500_20180704T035018_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T035024_20180704T035031_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T035037_20180704T035232_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T040042_20180704T041359_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_NOPM_2_20180704T041613_20180704T042937_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_NOPM_2_20180704T045535_20180704T050559_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_NOPM_2_20180704T050738_20180704T052143_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_NOPM_2_20180704T052426_20180704T052929_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_NOPM_2_20180704T052935_20180704T052947_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

CS\_OFFL\_SIR\_NOPM\_2\_20180704T053802\_20180704T053902\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T054443\_20180704T055022\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T055549\_20180704T055951\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T060114\_20180704T060219\_C001 CS OFFL SIR NOPM 2 20180704T060234 20180704T060823 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T081540\_20180704T083958\_C001 CS OFFL SIR NOPM 2 20180704T084236 20180704T084759 C001 CS OFFL SIR NOPM 2 20180704T084805 20180704T085131 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T085510\_20180704T090601\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T091139\_20180704T092741\_C001 CS OFFL SIR NOPM 2 20180704T095153 20180704T095919 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T095921\_20180704T101126\_C001 CS OFFL SIR NOPM 2 20180704T101426 20180704T101921 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T102236\_20180704T103037\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T103503\_20180704T110749\_C001 CS OFFL SIR NOPM 2 20180704T114256 20180704T115809 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T120210\_20180704T120725\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T121410\_20180704T123540\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T123825\_20180704T124850\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T125921\_20180704T130407\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T131829\_20180704T132430\_C001 CS OFFL SIR NOPM 2 20180704T132618 20180704T133646 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T135345\_20180704T143002\_C001 CS OFFL SIR NOPM 2 20180704T144232 20180704T144929 C001 CS OFFL SIR NOPM 2 20180704T144948 20180704T151401 C001 CS OFFL SIR NOPM 2 20180704T152744 20180704T153033 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T153257\_20180704T160106\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T161732\_20180704T162121\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T162247\_20180704T163838\_C001 CS OFFL SIR NOPM 2 20180704T165339 20180704T165600 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T170214\_20180704T170450\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T170511\_20180704T170939\_C001 CS OFFL SIR NOPM\_2\_20180704T171226\_20180704T172626\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T172806\_20180704T173048\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T180455\_20180704T181044\_C001 CS OFFL SIR NOPM 2 20180704T181327 20180704T183647 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T184002\_20180704T184850\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T185153\_20180704T191505\_C001 CS OFFL SIR NOPM 2 20180704T194203 20180704T201548 C001 CS OFFL SIR NOPM 2 20180704T202218 20180704T202641 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T203058\_20180704T205758\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T212337\_20180704T213833\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T214407\_20180704T215423\_C001 CS OFFL SIR NOPM 2 20180704T220132 20180704T220720 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T220953\_20180704T221506\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T221732\_20180704T222606\_C001 CS OFFL SIR NOPM 2 20180704T224629 20180704T224730 C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T230004\_20180704T233335\_C001 CS\_OFFL\_SIR\_NOPM\_2\_20180704T234037\_20180704T234551\_C001 CS OFFL SIR NOPM 2 20180704T235706 20180705T000657 C001 CS\_OFFL\_SIR\_NOPN\_2\_20180704T170450\_20180704T170511\_C001

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Ice Backscatter Averaging Status

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SWH Averaging Status, Ocean Backscatter Averaging Status

Ice Backscatter Averaging Status

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

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

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

55

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: