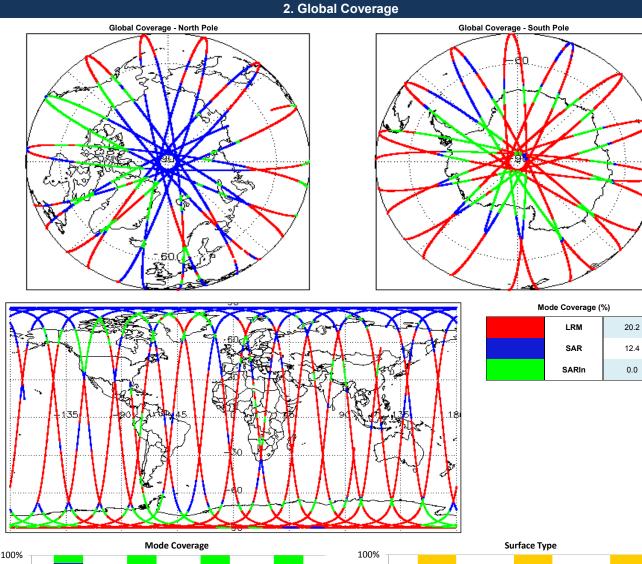
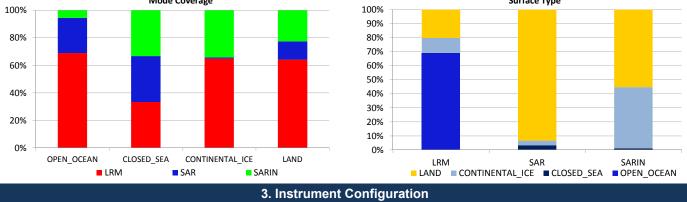


# IDEAS+ Daily Report for OFFLINE data:

<u>15/03/2016</u>

1. Overview				
Demont Draduction Deter	12 Apr 2010	Check Status		
Report Production Date:	13-Apr-2016	Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
Flocessol Used.		Product Software Check	Nominal	
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal	
Data Oseu.		Product Header Analysis	See Section 4.2 and 5.2	
		Star Tracker Usage Check	Nominal	
		L1B Calibration Usage Check	Nominal	
		L1B & L2 Auxiliary Data File Usage Check	Nominal	
		L1B & L2 Auxiliary Correction Error Check	Nominal	
1		L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5	
Mission / Instrument News				
14-Mar-2016 None				
15-Mar-2016 None				
16-Mar-2016 Nothing planned				





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

SIRAL instrument(s) in use: SIRAL - A

## 4. 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 product file (.DBL)

## Number of products with errors:

### 4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are carried out 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:	4	
Product		Test Failed

CS_OFFL_SIR_SAR_1B_20160315T091135_20160315T091136_C001	Percentage of processing errors detected greater than minimum acceptable threshold.	
CS_OFFL_SIR_SAR_1B_20160315T091158_20160315T091201_C001	Percentage of processing errors detected greater than minimum acceptable threshold.	
CS_OFFL_SIR_SAR_1B_20160315T073523_20160315T073523_C001	Percentage of processing errors detected greater than minimum acceptable threshold.	
CS_OFFL_SIR_SAR_1B_20160315T091203_20160315T091204_C001	Percentage of processing errors detected greater than minimum acceptable threshold.	

## 4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing. Number of products with errors: 0

4.4 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing

Number of products with errors:

### 4.5 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: 0

#### 4.6 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
0

Number of products with errors.

## 4.7 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common error flags raised in the Level 1B products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Block Degraded Flag: This flag is currently set for a number of individual records generally at the start or end of products (all modes), but this is to be expected.

Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration.

#### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20160315T012347_20160315T012905_C001	IECDO ETTOR I RK ECDO ETTOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

## 5. 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 product file (.DBL).

Number of products with errors:

## 5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out 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:	2	
Product	Test Failed	

CS_OFFL_SIR_SAR_220160315T091135_20160315T091136_C001	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_220160315T091158_20160315T091201_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

## 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

 Number of products with errors:
 0

#### 5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

#### 5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag (field 50) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common error flags raised in the Level 2 products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Freeboard error: This flag is correctly set in all L2 SAR products that are not discriminated as sea-ice, and for which freeboard cannot be calculated.

Height and Backscatter errors: These flags are currently set for products over land, but this is to be expected. Retracker 1 Height and Backscatter error flags are also set for products over sea-ice, but this is to be expected.

Peakiness error: This flag is currently set for products over sea-ice, but this is to be expected.

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SARIN X-Track Angle Error: This flag is set when the difference between the computed surface elevation and the DEM is >50 m. The DEM is only available over Greenland and Antarctica and as a result this flag is set for L2 SARIn products in all other locations as expected.

SSHA interpolation error: This flag is currently set for a number of SAR products occurring at surface type boundaries, but this is to be expected.

#### Number of products with errors:

CL_OTT_GRU_LINUDOMENTTO/SCI_200001070001_0001         Med/ Exc. [The grund background back and and the backed 2 for each max in the grund background back	Product	Test Failed	Description
C171_B1(12012_00001570004_200001570000_000Brief the Under LandszeitIn C101 of Seckers and used the Testes and use maters and used set to testes and used set to te		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Contrust (Link Laboration (Links) (Link	CS_OFFL_SIR_LRM_220160315T001745_20160315T001903_C001		No DEM or Slope Model was used for the location of one or more records
C3.07TL_SRLEM_2_D00015T00862_000015T00862_0001     Page 1 are based to can be exceed.       C3.07TL_SRLEM_2_D000015T00862_000015T00862_0001     Schenkalt for an energe exceed.       C3.07TL_SRLEM_2_D000015T00822_000015T00862_0001     Schenkalt for an energe exceed.       C3.07TL_SRLEM_2_D000015T00822_000015T00822_0001     Schenkalt for an energe exceed.       C3.07TL_SRLEM_2_D000015T00822_000015T00822_0001     Schenkalt for an energe exceed.       C3.07TL_SRLEM_2_D000015T00820_000015T00822_0001     Schenkalt for an energe exceed.       C3.07TL_SRLEM_2_D000015T00820_0000015T00820_0001     Schenkalt for an energe exceed.       C3.07TL_SRLEM_2_D000015T00820_000015T00820_0001     Schenkalt for an energe exceed.       C3.07TL_SRLEM_2_D000015T00820_000015T00820_0001     Schenkalt for an energe exceed.       C3.07TL_SRLEM_2_D000015T00820_000015T00820_0001     Schenkalt for an energe exceed.       C3.07TL_SRLEM_2_D0000015T00820_000015T00820_0001     Schenkalt for an energ	CS_OFFL_SIR_LRM_220160315T002255_20160315T005022_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS. OFTL. SIR. LBM.2	CS_OFFL_SIR_LRM_220160315T012933_20160315T014952_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
CS_PT_98_UM000000000000000000000000000000000	CS_OFFL_SIR_LRM_220160315T015644_20160315T020009_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
GL_PTL_SBULTMUZ_D0100311000114_001003151000012_00100         End (Relative 2)         Heads in for on or more than a standard in or on or more relation a standard in or on or more than a standard in or on or more than a standard in or on or more than a standard in or on or more relation a standard in or on or more relation. The standard in or on or more relation a standard in or on or more relation. The standard in or on or	CS_OFFL_SIR_LRM_220160315T020232_20160315T021441_C001		There is a height and backscatter error for Retracker 2 for one or more records
CE, OFFL, BR, LAM20100315100014, 20100315100022, 2000 CE, OFFL, BR, LAM20100315100016, 20100315100012, 2000 CE, OFFL, BR, LAM20100315100016, 20100315100002, 2001 CE, OFFL, BR, LAM20100315100005, 2000 CE, OFFL, BR, LAM201003151100000, 2000 CE	CS_OFFL_SIR_LRM_220160315T022013_20160315T023007_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFTL_SR_LRM_2_0000015704200_20160015704200_0001       Height Form (Revision 2), Busketsetter in registrational sector in the same sector in the basket 2 for one or in concerning and the same sector in the basket 2 for one or in concer	CS_OFFL_SIR_LRM_220160315T030114_20160315T032923_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Corp. E., Surg. M. 2. 201030110144412, 201030161144410, 2010         Finite (Restance 2), Selectader           Corp. E., S. L. M. 2. 201030115144112, 201030161144410, 2010         Finite (Restance 2), Selectader           Corp. E., S. L. M. 2. 201030151644112, 201030161144410, 2010         Finite (Restance 2), Selectader           Corp. E., S. L. M. 2. 201030151644112, 20103016104441, 2001         Finite (Restance 2), Selectader           Corp. E., S. L. M. 2. 20103015164412, 2010301610442, 2001         Finite (Restance 2), Selectader           Corp. E., S. L. M. 2. 201030151644132, 20103016104232, 2001         Finite (Restance 2), Selectader           Corp. E., S. L. M. 2. 201030151044132, 20103015104532, 2001         Sufface Model Invasioner           Corp. E., S. L. M. 2. 20103015104532, 2010315104532, 2001         Sufface Model Invasioner           Corp. E., S. L. M. 2. 20103015104532, 2010315104532, 2001         Finite (Restance 2), Selectader           Corp. S. R. L. M. 2. 20103015104532, 2010315104532, 2010         Finite (Restance 2), Selectader         Finite (Restance 2), Selectader           Corp. S. R. L. M. 2. 20103015104531, 2010315104532, 2010315104532, 2010315104531, 2010315104531, 2010315104532, 2010315110452, 2010315110452, 2010315110452, 2010315104532, 2010315104532, 2010315110452, 201031511045	CS_OFFL_SIR_LRM_220160315T033542_20160315T033912_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Car, Dirit, Sin, Law, 2	CS_OFFL_SIR_LRM_220160315T034203_20160315T035357_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS, OFFL, SIN, LEM, 2, 201603151044163, 20160315104417, 20160411204011, C001         Introduct 2)         introduct	CS_OFFL_SIR_LRM_220160315T035534_20160315T041709_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_UFL_SN_LEW_2_0000015100467_0000151006047_0001         Emp(Retacker 2)         locate Enrol (Retacker 2)	CS_OFFL_SIR_LRM_220160315T043013_20160315T043140_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFF_SH_LIML_2_01003151106892_0010015110552         Emit (Retractor 2)         mecods           CS_OFF_SH_LIML_2_0100315106152_0100512         Coll State Model Unavailable         mecods           CS_OFF_SH_LIML_2_0100315106552_010051106552_0001         Heigh Emit (Retractor 2), Heigh	CS_OFFL_SIR_LRM_220160315T044153_20160315T045011_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SH_LEM_2_201003151101057_201003151106502_0001 Error (Retracker 2) Ford (Retracker	CS_OFFL_SIR_LRM_220160315T054657_20160315T055547_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20160315T070018_20160315T073300_C001         Height Enror (Retracker 2), Height Enror (Retracker 2)         There is a height and backscatter error for Retracker 2 and a height for Retracker 2)           CS_OFFL_SIR_LRM_2_20160315T078822_20160315T088229_C001         Height Enror (Retracker 2), Height Enror (Retracker 2)         There is a height and backscatter error for Retracker 2 and a height for Retracker 3)           CS_OFFL_SIR_LRM_2_20160315T08822_20160315T08823_C001         Height Enror (Retracker 2), Height Enror (Retracker 3)         There is a height and backscatter error for Retracker 2 and a height for Retracker 3)           CS_OFFL_SIR_LRM_2_20160315T00912_20160315T00134_2016001         Height Enror (Retracker 2), Height Enror (Retracker 2)         There is a height and backscatter error for Retracker 2 and a height for Retracker 2)           CS_OFFL_SIR_LRM_2_20160315T00130_20160015T010470_C001         Height Enror (Retracker 2), Height Enror (Retracker 2)         There is a height and backscatter error for Retracker 2 and a height for Retracker 3)           CS_OFFL_SIR_LRM_2_20160315T101967_20160315T105490_C001         Height Enror (Retracker 2), Height Enror (Retracker 3)         There is a height and backscatter error for Retracker 2 and a height for Retracker 3)           CS_OFFL_SIR_LRM_2_20160315T103630_20160315T105700_C001         Height Enror (Retracker 2), Height Enror (Retracker 2)         There is a height and backscatter error for Retracker 2 and a height for Retracker 3)           CS_OFFL_SIR_LRM_2_20160315T110520_20160315T110540_2016         Height Enror (Retracker 2), Height Enror (Retracker 2), Height Enror (Retracker 2), Height	CS_OFFL_SIR_LRM_220160315T061929_20160315T064753_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_0160315T07018_20160315T073500_0001 (Reinaker 3), Badsactite Envi (Retracker 2), CS_OFFL_SIR_LRM_2_0160315T076822_0160315T08228_0001 Height Envi (Retracker 2), Rejult Envi (Retracker 2), Rejult 2), Restacker Envi (Retracker 2), Rejult Envi (Retracker 2), Restacker Envi (Retracker 2),	CS_OFFL_SIR_LRM_220160315T065005_20160315T065502_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Concerning         Enror (Retracker 2)         records           CS_OFFL_SIR_LEM_2_20160315103622_201603151036531_C001         Height Enror (Retracker 2), Biadkscatter Enror (Retracker 3), Biadkscatter Enror (Retracker 3), Biadkscatter Enror (Retracker 2), Leight Enror (Retracker 2), Leigh	CS_OFFL_SIR_LRM_220160315T070018_20160315T073350_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160315T084051_20160315T085831_C001 (Retracker 2) Retracker 2) Restracker 3) for one or more records (Retracker 2) Retracker 2) Restracker 3) for one or more records (Retracker 2) Restracker 3) for one or more records (Retracker 2) Restracker 3) for one or more records (Retracker 2) Restracker 3) for one or more records (Retracker 2) Restracker 3) Restracker 4 (Retracker 2)	CS_OFFL_SIR_LRM_220160315T075822_20160315T082239_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20160315T1090312_20160315T109134_C001 (Retracker 2) Retracker 2) (Retracker 2) (Re	CS_OFFL_SIR_LRM_220160315T084051_20160315T085831_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_PFL_SIR_LRM_2_20160315104516_001603151104710_0001       Emror (Retracker 2)       Height Error (Retracker 2)         CS_OFFL_SIR_LRM_2_201603151064924_20160315110456_0001       (Retracker 2)       Height Error (Retracker 2)         CS_OFFL_SIR_LRM_2_201603151101657_201603151105720_0001       (Retracker 2)       Height Error (Retracker 2)         CS_OFFL_SIR_LRM_2_201603151103639_201603151105720_0001       (Retracker 2)       Height Error (Retracker 2)         CS_OFFL_SIR_LRM_2_201603151103639_201603151105720_0001       (Retracker 2)       Height Error (Retracker 2)         CS_OFFL_SIR_LRM_2_201603151111112221_0001       (Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatt	CS_OFFL_SIR_LRM_220160315T090312_20160315T091134_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160315T109424_20160315T109459_C001       (Retracker 2)         CS_OFFL_SIR_LRM_2_20160315T103639_20160315T103459_C001       (Retracker 2)         CS_OFFL_SIR_LRM_2_20160315T103639_20160315T103459_C001       (Retracker 2)         CS_OFFL_SIR_LRM_2_20160315T103639_20160315T103720_C001       (Retracker 2)         Retracker 3)       Backscatter Error         (Retracker 2)       Heigh Error (Retracker 2)         Heigh Error (Retracker 2)       Heigh Error         CS_OFFL_SIR_LRM_2_20160315T11433_20160315T114221_C001       (Retracker 2)         Heigh Error (Retracker 2)       Heigh Error         (Retracker 2)       Backscatter Error         (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height for Retracker 3)         (Retracker 2)       Heigh Error (Retracker 2)         (Retracker 2)       Heigh Error (Retracker 2)         (Retracker 2)       Heigh Error (Retracker 2)         (Retracker 3)       Backscatter Error (Retracker 3)         (Retracker 3)       Retracker 3)         (Retracker 2)       Heigh Error (Retracker 2)	CS_OFFL_SIR_LRM_220160315T093138_20160315T094710_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20160315T103459_20160315T103459_20160315T103459_20160315T103459_20160315T103459_20160315T1035720_2001       (Retracker 2)       Height Error (Retracker 2)       Hei	CS_OFFL_SIR_LRM_220160315T094924_20160315T100411_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160315T1103839_20160315T1103720_0001       (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Backscatter Error (Retracker 2). Aleight Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 2). Height Error (Retracker 3). Backscatter Error (Retracker 3). Backs	CS_OFFL_SIR_LRM_220160315T101957_20160315T103459_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160315T111433_20160315T112421_C001       (Retracker 2)       Inter 5 a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20160315T113118_20160315T114634_C001       Height Error (Retracker 2), Height Error (Retracker 2), Edght Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Edght Error (Retracker 2), Backscatter Error (Retracker 2), Ba	CS_OFFL_SIR_LRM_220160315T103639_20160315T105720_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160315T113118_20160315T114634_C001       (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_220160315T111433_20160315T112421_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160315T15232_00160315T122235_C001       (Retracker 2)         CS_OFFL_SIR_LRM_2_20160315T124820_20160315T124839_C001       (Retracker 2)         CS_OFFL_SIR_LRM_2_20160315T125826_20160315T125834_C001       (Retracker 2)         Retracker 3)       Backscatter Error (Retracker 2)         CS_OFFL_SIR_LRM_2_20160315T125826_20160315T132534_C001       (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2)         CS_OFFL_SIR_LRM_2_20160315T13304_20160315T133539_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20160315T133825_20160315T140424_C001       Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (R	CS_OFFL_SIR_LRM_220160315T113118_20160315T114634_C001	(Retracker 3), Backscatter Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20160315T124820_20160315T124839_C001       (Retracker 2)       Interests a neight and backscatter error for Retracker 2 and a height for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20160315T125826_20160315T132534_C001       (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20160315T133044_20160315T133539_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20160315T143325_20160315T140424_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20160315T143711_20160315T144705_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20160315T145243_20160315T154616_C001       Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20160315T155404_20160315T155558_C001       Retracker 3), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20160315T155404_20160315T15	CS_OFFL_SIR_LRM_220160315T115923_20160315T122235_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160315T125826_20160315T132534_C001       (Retracker 3), Backscatter Error (Retracker 2)       Interest is a height and backscatter error for Retracker 2 and a height for Retracker 3), Backscatter Error (Retracker 2)         CS_OFFL_SIR_LRM_2_20160315T133044_20160315T133539_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20160315T143711_20160315T144024_C001       Height Error (Retracker 2), Height Error (Retracker 2), Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20160315T145243_20160315T144705_C001       Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20160315T15404_20160315T154616_C001       Height Error (Retracker 2), Height Error (Retracker 2), Retracker 3), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20160315T155404_20160315T155558_C001       Height Error (Retracker 2), Height Error (Retracker 2), Retracker 3), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20160315T160856_20160315T164347_C001       Height Error (Retracker 2), Height Error (Retracker 2), Retracker 2)       There is a height and backscatter error for Retr	CS_OFFL_SIR_LRM_220160315T124820_20160315T124839_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160315T133825_20160315T140424_C001Height Error (Retracker 2), Backscatter Error (Retracker 2)There is a height and backscatter error for Retracker 2 for one or me recordsCS_OFFL_SIR_LRM_2_20160315T143711_20160315T144705_C001Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscat		(Retracker 3), Backscatter Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20160315T143711_20160315T144705_C001Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2, and a height for Retracker 3 for one or more recordsCS_OFFL_SIR_LRM_2_20160315T145243_20160315T150439_C001Height Error (Retracker 2), Backscatter Error (Retracker 2)There is a height and backscatter error for Retracker 2 for one or m recordsCS_OFFL_SIR_LRM_2_20160315T151734_20160315T1564616_C001Height Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Height Error (Retracker 2), Backscatter error for Retracker 2 for one or m recordsCS_OFFL_SIR_LRM_2_20160315T155404_20160315T155558_C001Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Err			No DEM or Slope Model was used for the location of one or more records.
CS_OFFL_SIR_LRM_2_20160315T143711_20160315T144705_C001       (Retracker 3), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height for Retracker 3.         CS_OFFL_SIR_LRM_2_20160315T145243_20160315T150439_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20160315T151734_20160315T154616_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20160315T155404_20160315T155558_C001       (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter	CS_OFFL_SIR_LRM_220160315T133825_20160315T140424_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_2016031511734_20160315T154616_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_20160315T15734_20160315T154616_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height for Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2 for one or merecords         CS_OFFL_SIR_LRM_2_20160315T170521_20160315T175714_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2) for one or merecords         CS_OFFL_SIR_LRM_2_20160315T174845_20160315T175714_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Err	CS_OFFL_SIR_LRM_220160315T143711_20160315T144705_C001	(Retracker 3), Backscatter Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20160315T155404_20160315T155558_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_20160315T155404_20160315T155558_C001       Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Err	CS_OFFL_SIR_LRM_220160315T145243_20160315T150439_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20160315T155404_20160315T15558_C001       (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error for Retracker 2 for one or more records       There is a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20160315T170521_20160315T17053_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220160315T151734_20160315T154616_C001	Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20160315T160356_20160315T164347_C001       (Retracker 3), Backscatter Error (Retracker 2), Backscatter Erro	CS_OFFL_SIR_LRM_220160315T155404_20160315T155558_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160315T174845_20160315T175714_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_20160315T174845_20160315T175714_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or m records	CS_OFFL_SIR_LRM_220160315T160856_20160315T164347_C001	(Retracker 3), Backscatter Error (Retracker 2)	
Error (Retracker 2) records	CS_OFFL_SIR_LRM_220160315T170521_20160315T170853_C001	Error (Retracker 2)	records
	CS_OFFL_SIR_LRM_220160315T174845_20160315T175714_C001	Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20160315T180000_20160315T182305_C001 Height Error (Retracker 2), Height Error for Retracker 2 and a height for Retracker 3 for one or more records	CS_OFFL_SIR_LRM_220160315T180000_20160315T182305_C001		There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records

CS\_OFFL\_SIR\_LRM\_2\_\_20160315T183504\_20160315T184835\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20160315T185023\_20160315T190256\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20160315T192725\_20160315T200101\_C001 CS OFFL SIR LRM 2 20160315T201915 20160315T205014 C001 CS OFFL SIR LRM 2 20160315T211014 20160315T211754 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20160315T212235\_20160315T212331\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20160315T212335\_20160315T214021\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20160315T215703\_20160315T221055\_C001 CS OFFL SIR LRM 2 20160315T221309 20160315T222441 C001 CS OFFL SIR LRM 2 20160315T225238 20160315T230254 C001 CS\_OFFL\_SIR\_LRM\_2\_20160315T233835\_20160315T234915\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20160315T235112\_20160315T235647\_C001 CS OFFL SIR SIN 2 20160315T001038 20160315T001234 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T001724\_20160315T001729\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T001903\_20160315T002228\_C001 CS OFFL SIR SIN 2 20160315T015006 20160315T015231 C001 CS OFFL SIR SIN 2 20160315T015622 20160315T015627 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T020009\_20160315T020139\_C001 CS\_OFFL\_SIR\_SIN\_2\_20160315T025002\_20160315T025021\_C001 CS OFFL SIR SIN 2 20160315T032924 20160315T033047 C001 CS OFFL SIR SIN 2 20160315T033536 20160315T033541 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T033912\_20160315T034042\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T050915\_20160315T051039\_C001 CS OFFL SIR SIN 2 20160315T051605 20160315T051916 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T060724\_20160315T060751\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T064851\_20160315T065005\_C001 CS OFFL SIR SIN 2 20160315T065503 20160315T065825 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T075031\_20160315T075110\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T082938\_20160315T083214\_C001 CS OFFL SIR SIN 2 20160315T083408 20160315T084034 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T092451\_20160315T092611\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T092909\_20160315T093058\_C001 CS OFFL SIR SIN 2 20160315T100454 20160315T101106 C001 CS OFFL SIR SIN 2 20160315T101320 20160315T101402 C001 CS OFFL SIR SIN 2 20160315T101821 20160315T101956 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T110410\_20160315T110513\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T110549\_20160315T110633\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T114706\_20160315T114858\_C001 CS OFFL SIR SIN 2 20160315T115723 20160315T115911 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T124322\_20160315T124819\_C001 CS\_OFFL\_SIR\_SIN\_2\_20160315T132639\_20160315T132759\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T132957\_20160315T133044\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T133540\_20160315T133801\_C001 CS OFFL SIR SIN 2 20160315T141619 20160315T141656 C001 CS OFFL SIR SIN 2 20160315T150605 20160315T150725 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20160315T150758\_20160315T151005\_C001 CS OFFL SIR SIN 2 20160315T151605 20160315T151734 C001 CS OFFL SIR SIN 2 20160315T164554 20160315T164913 C001

Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Erro (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error

records

There is a height and backscatter error for Retracker 2 for one or more ecords There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more ecords There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more

CS_OFFL_SIR_SIN_220160315T165435_20160315T165554_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T182446_20160315T182806_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T183329_20160315T183453_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T191135_20160315T191208_C001	SARIn X-track Angle Error, Surface Model Unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220160315T191412_20160315T191706_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T200117_20160315T200313_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T201148_20160315T201323_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T205046_20160315T205151_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T205506_20160315T205606_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T214022_20160315T214201_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T214743_20160315T214748_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T214919_20160315T215127_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T222918_20160315T223124_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T223305_20160315T223520_C001	SARIn X-track Angle Error, Surface Model Unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_220160315T231935_20160315T232121_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T232641_20160315T232646_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160315T232805_20160315T233459_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records