



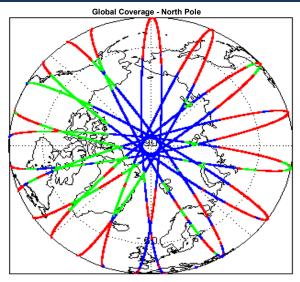
# 1. Overview

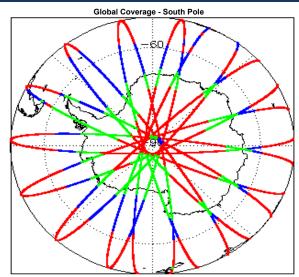
Report Production Date:	01-Aug-2016	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

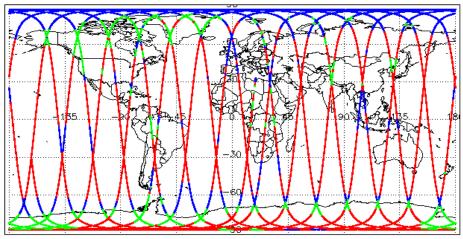
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	Nominal
L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5

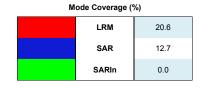
Mission / Instrument News		
01-Jul-2016	None	
02-Jul-2016	None	
03-Jul-2016	Nothing planned	

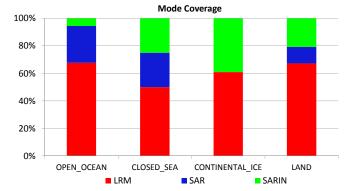
# 2. Global Coverage

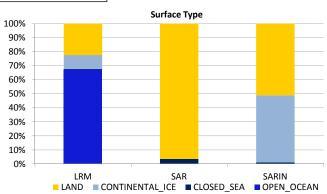












# 3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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## 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:

#### 4.3 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:

### 4.4 L1B Calibration Usage Check

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

0

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:

#### 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_20160702T001121_20160702T002446_C001		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:

## 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

### 5.4 L2 Auxiliary Correction Error Check

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.

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.

The property of the property o	runner of products with errors.	I	I
COUNTY DELINA CONTROLLED CONTROLL	Product	Test Failed  Height Error (Retracker 2) Height Error	Description
COUNT SELECT AND 2 DEFORMATIONS CONTROLLED COST SELECT AND A DEFORMATION OF THE PROPERTY OF TH	CS_OFFL_SIR_LRM_220160702T000010_20160702T000106_C001	(Retracker 3), Backscatter Error	
Fig. (Proc. Apr. 1981) 2. 2. delicontrational processors (1982) 2. del	CS_OFFL_SIR_LRM_220160702T004047_20160702T010221_C001	Error (Retracker 2)	records
Conf. Dist. Land. 2 on conformation 2 processor to 144 conf.  So OPEL SR LIMB 2 2010070170352 2010070170351 Conf.  So OPEL SR LIMB 2 2010070170352 2010070170352 Conf. Conf. Limber 2 processor 2 proc	CS_OFFL_SIR_LRM_220160702T010505_20160702T011535_C001	Error (Retracker 2)	records
COUNT_SER_UND_2 201600701701911_COUNT_SER_UND_2 20160070170191_COUNT_SER_UND_2 20160070170191_COUNT	CS_OFFL_SIR_LRM_220160702T012609_20160702T012859_C001	Error (Retracker 2)	records
SOUTH_SEL_20_0000000000000000000000000000000000	CS_OFFL_SIR_LRM_2_20160702T013552_20160702T013741_C001	Error (Retracker 2)	
South Control (1997) And Part South	CS_OFFL_SIR_LRM_220160702T013756_20160702T015111_C001	(Retracker 3), Backscatter Error (Retracker 2)	
CS_OFFL_SRI_CAL_2_enforcemotionable_polestromators_col_col_col_col_col_col_col_col_col_col	CS_OFFL_SIR_LRM_220160702T022028_20160702T025642_C001	Error (Retracker 2)	
CS_OFT_SIR_UNA_2_0100720701465_20100700700370_COID  CS_OFT_SIR_UNA_2_0100720701465_20100700700370_COID  CS_OFT_SIR_UNA_2_0100707010300_20100700700370_COID  CS_OFT_SIR_UNA_2_01007070103000_20100700700370_COID  CS_OFT_SIR_UNA_2_01007070103000_2010070070030_COID  CS_OFT_SIR_UNA_2_01007070103000_2010070070030_COID  CS_OFT_SIR_UNA_2_01007070103000_2010070070030_COID  CS_OFT_SIR_UNA_2_0100707010300_2010070700300_COID  CS_OFT_SIR_UNA_2_01007070103000_201007070000000000000000000000000000	CS_OFFL_SIR_LRM_220160702T030846_20160702T034047_C001	(Retracker 3), Backscatter Error	
CS_OFF_SR_LEN_2_DROWN2T104040_CROWN2T104214_COID  Sept_SR_LEN_2_DROWN2T104040_CROWN2T104214_COID  Sept_SR_LEN_2_DROWN2T1040401_CROWN2T104214_COID  Sept_SR_LEN_2_DROWN2T1040401_CROWN2T104214_COID  Sept_SR_LEN_2_DROWN2T1040401_CROWN2T104214_COID  Sept_SR_LEN_2_DROWN2T1040401_CROWN2T104214_COID  Sept_SR_LEN_2_DROWN2T1040401_CROWN2T104214_COID  Sept_SR_LEN_2_DROWN2T1040401_CROWN2T1040401_COID  Sept_SR_LEN_2_DROWN2T1040401_CROWN2T10	CS_OFFL_SIR_LRM_220160702T035018_20160702T035214_C001		No DEM or Slope Model was used for the location of one or more records
CS_OFF_SR_LEM_2_DISENVETTIONS_QUISEN	CS_OFFL_SIR_LRM_220160702T035935_20160702T041442_C001	Error (Retracker 2)	
CS_OFFL_SIR_LEM_2_201607027105305_201607027105314_O01  Surface Mode Unavailable  Fire (Remoter 2), Booscoatter  CRO_OFFL_SIR_LEM_2_201607027105306_201607027105314_O01  Fire (Remoter 2), Fire Control of the Control of Petitocker 2 for one or more  CRO_OFFL_SIR_LEM_2_201607027105314_O01  CRO_OFFL_SIR_LEM_2_201607027105314_O01  CRO_OFFL_SIR_LEM_2_201607027105314_O01  CRO_OFFL_SIR_LEM_2_201607027105314_O01  Fire (Remoter 2), Booscoatter  CRO_OFFL_SIR_LEM_2_201607027105300_201607027107350_O01  Fire (Remoter 2), Booscoatter  CRO_OFFL_SIR_LEM_2_20160702710530_O01  Fire (Remoter 2), Booscoatter  Cro_OFFL_SIR_LEM_2_201607027107300_O01  Fire (Remoter 2), Booscoatter  Cro_OFFL_SIR_LEM_2_20160702710500_O01  Fire (Remoter 2), Booscoatter  Fire	CS_OFFL_SIR_LRM_220160702T041645_20160702T042714_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_LEM_2_201607027105447_201607027105475_001  CS_OFFL_SIR_LEM_2_201607027105447_201607027105475_001  CS_OFFL_SIR_LEM_2_201607027105442_201607027105475_001  CS_OFFL_SIR_LEM_2_201607027105442_20160702710545_001  CS_OFFL_SIR_LEM_2_201607027105442_20160702710545_001  CS_OFFL_SIR_LEM_2_20160702710545_20160702710755_001  CS_OFFL_SIR_LEM_2_20160702710545_20160702710755_001  CS_OFFL_SIR_LEM_2_20160702710545_20160702710755_001  CS_OFFL_SIR_LEM_2_201607027107545_20160702710755_001  CS_OFFL_SIR_LEM_2_20160702710545_20160702710755_001  CS_OFFL_SIR_LEM_2_20160702710545_20160702710755_001  CS_OFFL_SIR_LEM_2_20160702710545_2016070271055_001  CS_OFFL_SIR_LEM_2_20160702710545_2016070271055_001  CS_OFFL_SIR_LEM_2_2016070271055735_20160702710551_001  CS_OFFL_SIR_LEM_2_2016070271055735_20160702710551_001  CS_OFFL_SIR_LEM_2_2016070271055735_20160702710551_001  CS_OFFL_SIR_LEM_2_20160702710560_001  CS_OFFL_SIR_LEM_2_20160702710560_001  CS_OFFL_SIR_LEM_2_20160702710560_001  CS_OFFL_SIR_LEM_2_20160702710560_001  CS_OFFL_SIR_LEM_2_20160702711056_2016070271050_001  CS_OFFL_SIR_LEM_2_20160702711056_201607027105001  CS_OFFL_SIR_LEM_2_20160702711056_20160702710500	CS_OFFL_SIR_LRM_220160702T044901_20160702T050519_C001	(Retracker 3), Backscatter Error	
Error (Retrocker 2). Encodes  CS_OFFI_SIR_IRM_2_201607070106409_20160707107372_001  HighT Error (Retrocker 2). Becascater Error (Retrocker 2). Becascater Frenchis a height and backscatter error for Retrocker 2 or nor or more recrobs  SC_OFFI_SIR_IRM_2_201607071076409_20160707107351_001  CS_OFFI_SIR_IRM_2_201607071076409_20160707107352_001  CS_OFFI_SIR_IRM_2_201607071076409_20160707107420_001  SIMDER Model threated 2). Becascater Frenchis a height and backscatter error for Retrocker 2 or nor or more recrobs  SC_OFFI_SIR_IRM_2_201607071076409_20160707107420_001  SIMDER MODEL THROUGH AND THROUGH 2). Becascater Frenchis A legist and backscatter error for Retrocker 2 or nor or more recrobs  SIMDER MODEL THROUGH AND THROUGH 2). Becascater Frenchis A legist and backscatter error for Retrocker 2 or nor or more recrobs.  SIMDER MODEL THROUGH 2). Becascater Frenchis A legist and backscatter error for Retrocker 2 or nor or more recrobs.  SIM_IRM_2_20160707107630_20160707107420_001  HighT Error (Retrocker 2). Becascater Frenchis A legist and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retrocker 2 or nor or more recrobs.  Three is a height and backscatter error for Retroc	CS_OFFL_SIR_LRM_220160702T052850_20160702T053134_C001		·
Se_OFFL_SIR_LRM_2_201607027105442_201607027105573_C001  Sept_SIR_LRM_2_20160702705442_20160702710753_C001  Sept_SIR_LRM_2_201607027105402_20160702710753_C001  Sept_SIR_LRM_2_201607027105402_20160702710753_C001  Sept_SIR_LRM_2_20160702710753_20160702710752_C001  Sept_SIR_LRM_2_20160702710753_20160702710752_C001  Sept_SIR_LRM_2_20160702710753_20160702710752_C001  Sept_SIR_LRM_2_20160702710753_20160702710752_C001  Sept_SIR_LRM_2_20160702710753_20160702710752_C001  Sept_SIR_LRM_2_20160702710753_20160702710752_C001  Sept_SIR_LRM_2_20160702710753_20160702710752_C001  Sept_SIR_LRM_2_20160702710753_20160702710752_C001  Sept_SIR_LRM_2_2016070271053_2016070271053_C001  Sept_SIR_LRM_2_2016070271053_2016070271053_C001  Sept_SIR_LRM_2_2016070271053_2016070271053_C001  Sept_SIR_LRM_2_2016070271053_2016070271053_201  Sept_SIR_LRM_2_2016070271053_2016070271053_201  Sept_SIR_LRM_2_201607027101042_2016070271053_201  Sept_SIR_LRM_2_201607027101042_2016070271053_201  Sept_SIR_LRM_2_201607027101042_2016070271053_201  Sept_SIR_LRM_2_201607027101042_2016070271053_201  Sept_SIR_LRM_2_20160702711053_2016070271053_201  Sept_SIR_LRM_2_20160702711053_20160702711053_201  Sept_SIR_LRM_2_20160702711053_2016070271053_201  Sept_SIR_LRM_2_20160702711053_20160702711053_201  Sept_SIR_LRM_2_20160702711053_2016070271053_201  Sept_SIR_LRM_2_20160702711053_2016070271053_201  Sept_SIR_LRM_2_20160702711053_20160702	CS_OFFL_SIR_LRM_220160702T053906_20160702T055307_C001		-
Envi (Retractor 2). Height From (Retractor 2). Height Retractor 2). H	CS_OFFL_SIR_LRM_220160702T055447_20160702T055730_C001	Height Error (Retracker 2), Backscatter	
CS_OFF_SR_IRM_2_20160702T104045_20160702T104056_C001  Surface Model Unavailable  So_OFF_SR_IRM_2_20160702T070405_20160702T07450_C001  Surface Model Unavailable  So_OFF_SR_IRM_2_20160702T070405_20160702T07450_C001  Surface Model Unavailable  So_OFF_SR_IRM_2_20160702T070405_20160702T07450_C001  Surface Model Unavailable  So_OFF_SR_IRM_2_20160702T070405_20160702T07450_C001  So_OFF_SR_IRM_2_20160702T070405_200160702T070402_C001  So_OFF_SR_IRM_2_20160702T070405_200160702T070402_C001  So_OFF_SR_IRM_2_20160702T0804_20160702T10051_C001  So_OFF_SR_IRM_2_20160702T070405_20160702T110405_C001  So_OFF_SR_IRM_2_20160702T10406_20160702T110405_C001  So_OFF_SR_IRM_2_20160702T111060_20160702T110405_C001  So_OFF_SR_IRM_2_20160702T1110405_20160702T1110405_C001  So_OFF_SR_IRM_2_20160702T1110405_C001  So_OFF_SR_IRM_2_20160702T1110405_C001  So_OFF_SR_IRM_2_20160702T1110405_C001  So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  Source So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  Source So_OFF_SR_IRM_2_20160702T110406_C001  Source So_OFF_SR_IRM_2_20160702T110406_C001  Source So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  So_OFF_SR_IRM_2_20160702T110406_C001  S	CS_OFFL_SIR_LRM_220160702T063145_20160702T063725_C001	Error (Retracker 2)	
Se_OFFL_SIR_LRM_2_201607021071839_201607021073542_C001  Fign (Retroker 2) Beackscatter province (Retroker 2) Beackscatter	CS_OFFL_SIR_LRM_220160702T064008_20160702T070331_C001	(Retracker 3), Backscatter Error	
Error (Retracker 2)  Error (Re	CS_OFFL_SIR_LRM_220160702T070645_20160702T071526_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Enror (Retracker 2) Height Error (Retracker 2) H	CS_OFFL_SIR_LRM_220160702T071839_20160702T074252_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LEM_2_20160702T105043_20160702T093010_C001  Figure (Retracker 2)  Regist Error (Retracker 2)  Retracker 2)  Regist Error (Retracker 2)  Regist Error (Retracker 2)  Regist Error (Retracker 2)  Retracker 2)  Regist Error (Retracker 2)  Regist E	CS_OFFL_SIR_LRM_220160702T075300_20160702T075342_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20160702T108038_20160702T104031_COU1  Emor (Retracker 2)  Emor (Retr	CS_OFFL_SIR_LRM_220160702T081546_20160702T084227_C001	Error (Retracker 2)	records
So. OFFL. SIR LRM. 2_20160702710404_2016070271104050_0001  Emor (Retracker 2) Backscatter Error (Retracker 2) Backscatter Erro	CS_OFFL_SIR_LRM_220160702T085738_20160702T092310_C001	Error (Retracker 2)	records
Enror (Retracker 2). Backscatter from (Retracker 2). Backscatt	CS_OFFL_SIR_LRM_220160702T095001_20160702T100513_C001	Error (Retracker 2)	records
Error (Retracker 2) Error (Retracker 3) Error (Retracker 3) Error (Retracker 3) Error (Retracker 2) Error (Retracker 3) Error	CS_OFFL_SIR_LRM_220160702T101046_20160702T102103_C001	Error (Retracker 2)	records
Error (Retracker 2) Height Error (Retracker 3) Backscatter Error (Retracker 3) for one or more records  CS_OFFL_SIR_LRM_2_20160702T13525_20160702T13533_C001  CS_OFFL_SIR_LRM_2_20160702T130403_20160702T131525_C001  CS_OFFL_SIR_LRM_2_20160702T130403_20160702T131525_C001  CS_OFFL_SIR_LRM_2_20160702T131746_20160702T133401_C001  CS_OFFL_SIR_LRM_2_20160702T133411_20160702T133916_C001  CS_OFFL_SIR_LRM_2_20160702T133411_20160702T133916_C001  CS_OFFL_SIR_LRM_2_20160702T133411_20160702T133916_C001  CS_OFFL_SIR_LRM_2_20160702T135515_20160702T142103_C001  CS_OFFL_SIR_LRM_2_20160702T142103_C001  CS_OFFL_SIR_LRM_2_20160702T14203_C001  CS_OFFL_SIR_LRM_2_20160702T14203_C001  CS_OFFL_SIR_LRM_2_20160702T14203_C001  CS_OFFL_SIR_LRM_2_20160702T14203_C0160702T154951_C001  CS_OFFL_SIR_LRM_2_20160702T164046_C001  CS_OFFL_SIR_LRM_2_20160702T164046_C001  CS_OFFL_SIR_LRM_2_20160702T164046_C001  CS_OFFL_SIR_LRM_2_20160702T164046_C001  CS_OFFL_SIR_LRM_2_20160702T164046_C001  CS_OFFL_SIR_LRM_2_20160702T17404_20160702T174310_C001	CS_OFFL_SIR_LRM_220160702T111306_20160702T111407_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20160702T125204_20160702T125333_C001  Error (Retracker 2). Backscatter Error (Retracker 2) and a neight error for Retracker 2 for one or more records  CS_OFFL_SIR_LRM_2_20160702T130438_20160702T131525_C001  Error (Retracker 2). Backscatter Error (Retracker 2). Beakscatter Error (Retracker 3). Backscatter Error	CS_OFFL_SIR_LRM_2_20160702T112652_20160702T120023_C001	Error (Retracker 2)	
Error (Retracker 2) Error (Retracker 2) Error (Retracker 2) Height Error (Retracker 3) Height Error (Retracker 2) Height Error (R	CS_OFFL_SIR_LRM_220160702T121755_20160702T124253_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
Error (Retracker 2) Height Error (Retracker 2), Height Error Retracker 3), Backscatter Retracker 3), Backscatter Retracker 3), Backscatter Retror (Retracker 2), Backscatter Retror (Retracker 3), Backscatter Retror (Retracker 3	CS_OFFL_SIR_LRM_220160702T125204_20160702T125333_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20160702T133411_20160702T133916_C001  CS_OFFL_SIR_LRM_2_20160702T133411_20160702T133916_C001  CS_OFFL_SIR_LRM_2_20160702T133411_20160702T14213_C001  CS_OFFL_SIR_LRM_2_20160702T142125_20160702T142103_C001  CS_OFFL_SIR_LRM_2_20160702T142125_20160702T143012_C001  CS_OFFL_SIR_LRM_2_20160702T142125_20160702T143012_C001  CS_OFFL_SIR_LRM_2_20160702T14251_20160702T151829_C001  CS_OFFL_SIR_LRM_2_20160702T151829_C001  CS_OFFL_SIR_LRM_2_20160702T151829_C001  CS_OFFL_SIR_LRM_2_20160702T151829_C001  CS_OFFL_SIR_LRM_2_20160702T155057_20160702T160749_C001  CS_OFFL_SIR_LRM_2_20160702T160702T160704_C001  CS_OFFL_SIR_LRM_2_20160702T160704_C001  CS_OFFL_SIR_LRM_2_20160702T1700704_C001  CS_OFFL_SIR_LRM_2_20160702T1700704_C001  CS_OFFL_SIR_LRM_2_20160702T1700704_C001  CS_OFFL_SIR_LRM_2_20160702T1700704_C001  CS_OFFL_SIR_LRM_2_20160702T1700704_C001  CS_OFFL_SIR_LRM_2_20160702T17100704_C001  CS_OFFL_SIR_LRM_2_20160702T17100700704_C001  CS_OFFL_SIR_LRM_2_20160702T17100704_C001  CS_OFFL_SIR_LRM_2_20160702T17100704_C001  CS_OFFL_SIR_LRM_2_20160702T17100704_C001  CS_OFFL_SIR_LRM_2_20160702T17100704_C001  CS_OFFL_SIR_LRM_2_20160702T17100704_C001  CS_OFFL_SIR_LRM_2_20160702T17100704_C001  CS_OFFL_SIR_LRM_2_20160702T17100704  CS_OFFL_SIR_LRM_2_20160702T17100704  CS_OFFL_SIR_LRM_2_20160702T17100704  CS_OFFL_SIR_LRM_2_20160702T17100704  CS_OFFL_SIR_LRM_2_20160702T17100704  CS_OFFL_SIR_LRM_2_20160702T17100704  CS_OFFL_SIR_LRM_2_20160702T	CS_OFFL_SIR_LRM_220160702T130438_20160702T131525_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20160702T133411_20160702T142103_C001  CS_OFFL_SIR_LRM_2_20160702T142125_20160702T142103_C001  CS_OFFL_SIR_LRM_2_20160702T142125_20160702T143012_C001  CS_OFFL_SIR_LRM_2_20160702T142125_20160702T143012_C001  CS_OFFL_SIR_LRM_2_20160702T14251_20160702T15829_C001  CS_OFFL_SIR_LRM_2_20160702T153723_20160702T154951_C001  CS_OFFL_SIR_LRM_2_20160702T155057_20160702T154951_C001  CS_OFFL_SIR_LRM_2_20160702T155057_20160702T164951_C001  CS_OFFL_SIR_LRM_2_20160702T165057_20160702T160749_C001  CS_OFFL_SIR_LRM_2_20160702T162930_20160702T160749_C001  CS_OFFL_SIR_LRM_2_20160702T164249_20160702T165727_C001  CS_OFFL_SIR_LRM_2_20160702T164249_20160702T165727_C001  CS_OFFL_SIR_LRM_2_20160702T17404_20160702T172637_C001  CS_OFFL_SIR_LRM_2_20160702T17404_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T17404_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T17418_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T17418_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T17418_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T17418_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T184505_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T184505_20160	CS_OFFL_SIR_LRM_220160702T131746_20160702T133401_C001	(Retracker 3), Backscatter Error	
Height Error (Retracker 2), Backscatter Error (Retracker 2) and a height error (Retracker 3) and and an	CS_OFFL_SIR_LRM_2_20160702T133411_20160702T133916_C001	(Retracker 3), Backscatter Error	
Height Error (Retracker 2), Backscatter Error (Retracker 2) and a height error (Retracker 2) theight Error (Retracker 2) and a height error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (R	CS_OFFL_SIR_LRM_220160702T135615_20160702T142103_C001	Height Error (Retracker 2), Backscatter	
CS_OFFL_SIR_LRM_2_20160702T144251_20160702T151829_C001  (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), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Height Error	CS_OFFL_SIR_LRM_220160702T142125_20160702T143012_C001	Height Error (Retracker 2), Backscatter	
CS_OFFL_SIR_LRM_2_20160702T153723_20160702T164951_C001  CS_OFFL_SIR_LRM_2_20160702T155057_20160702T160749_C001  CS_OFFL_SIR_LRM_2_20160702T162930_20160702T164046_C001  CS_OFFL_SIR_LRM_2_20160702T162930_20160702T164046_C001  CS_OFFL_SIR_LRM_2_20160702T164249_20160702T165727_C001  CS_OFFL_SIR_LRM_2_20160702T164249_20160702T165727_C001  CS_OFFL_SIR_LRM_2_20160702T17404_20160702T172637_C001  CS_OFFL_SIR_LRM_2_20160702T171404_20160702T172637_C001  CS_OFFL_SIR_LRM_2_20160702T17118_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T173118_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T184505_20160702T184620_C001  CS_OFFL_SIR_LRM_2_20160702T184505_20160702T191400_C001  CS_OFFL_SIR_LRM_2_20160702T185209_20160702T191400_C001  CS_OFFL_SIR_LRM_2_20160702T18520	CS_OFFL_SIR_LRM_2_20160702T144251_20160702T151829_C001	(Retracker 3), Backscatter Error	
Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20160702T162930_20160702T164046_C001  CS_OFFL_SIR_LRM_2_20160702T162930_20160702T165727_C001  CS_OFFL_SIR_LRM_2_20160702T164249_20160702T165727_C001  CS_OFFL_SIR_LRM_2_20160702T17404_20160702T172637_C001  CS_OFFL_SIR_LRM_2_20160702T171404_20160702T172637_C001  CS_OFFL_SIR_LRM_2_20160702T171404_20160702T172637_C001  CS_OFFL_SIR_LRM_2_20160702T171404_20160702T172637_C001  CS_OFFL_SIR_LRM_2_20160702T173118_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T173118_20160702T174310_C001  CS_OFFL_SIR_LRM_2_20160702T184505_20160702T184620_C001  Surface Model Unavailable  Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3	CS_OFFL_SIR_LRM_2_20160702T153723_20160702T154951_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20160702T162930_20160702T164046_C001  (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_220160702T155057_20160702T160749_C001		
CS_OFFL_SIR_LRM_2_20160702T164249_20160702T165727_C001  (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_2_20160702T162930_20160702T164046_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20160702T171404_20160702T172637_C001  (Refracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_2_20160702T164249_20160702T165727_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20160702T173118_20160702T174310_C001  (Refracker 3), Backscatter Error (Retracker 2) in the started and acceptable for Retracker 3 for one or more records  CS_OFFL_SIR_LRM_2_20160702T184505_20160702T184620_C001  Surface Model Unavailable  Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), 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	CS_OFFL_SIR_LRM_2_20160702T171404_20160702T172637_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	
Height Error (Retracker 2), Height Error (Retracker 2) and a height error for Retracker 2 and a height error for Retracker 3 for one or more records.	CS_OFFL_SIR_LRM_2_20160702T173118_20160702T174310_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_20160702T185209_20160702T191400_C001 (Retracker 3), Backscatter Error for Retracker 2 and a neight error for Retracker 2 and a neight error for Retracker 3 for one or more records.	CS_OFFL_SIR_LRM_220160702T184505_20160702T184620_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
	CS_OFFL_SIR_LRM_220160702T185209_20160702T191400_C001	(Retracker 3), Backscatter Error	

	Height Force (Detrocker 0). Books outline	There is a hairbhardhada a tha ann fao Dahada a G
CS_OFFL_SIR_LRM_220160702T191404_20160702T191749_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_220160702T195122_20160702T201544_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_220160702T202403_20160702T202729_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160702T204732_20160702T205732_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_220160702T212008_20160702T215524_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_220160702T220301_20160702T220631_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160702T221052_20160702T222114_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_220160702T222647_20160702T224434_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220160702T225733_20160702T230011_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error (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_SIN_220160702T002726_20160702T002852_C001	(Retracker 2) SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T003406_20160702T003708_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T020731_20160702T021036_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T021307_20160702T021820_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T030410_20160702T030651_C001	SARIn X-track Angle Error	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_2_20160702T030656_20160702T030801_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T034744_20160702T035018_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T035214_20160702T035411_C001	SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220160702T035719_20160702T035843_C001	SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220160702T044256_20160702T044412_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_220160702T044618_20160702T044901_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T052242_20160702T052850_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T053134_20160702T053150_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160702T053619_20160702T053801_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T062223_20160702T062438_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T062527_20160702T062755_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_220160702T071526_20160702T071708_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160702T080147_20160702T080631_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_2_20160702T084440_20160702T084613_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160702T084745_20160702T084900_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T085321_20160702T085602_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160702T102423_20160702T102812_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T103400_20160702T103520_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T111456_20160702T111541_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 2 20160702T120403 20160702T120717 C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220160702T121231_20160702T121349_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T134119_20160702T134535_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T135137_20160702T135250_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T143049_20160702T143322_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T143049_20160702T143512_C001	SARIn X-track Angle Error	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_220160702T151927_20160702T152051_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T152855_20160702T153040_C001	SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220160702T160750_20160702T161208_C001	SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160702T161312_20160702T161420_C001	SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220160702T165835_20160702T170018_C001	SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220160702T170545_20160702T170551_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_220160702T170711_20160702T170944_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T174751_20160702T175238_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_220160702T183735_20160702T183949_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T184444_20160702T184449_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T184621_20160702T184952_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160702T193645_20160702T193723_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

Model Unavailable  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  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error  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	CS_OFFL_SIR_SIN_220160702T201729_20160702T201957_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160702T202729_20160702T202912_C001  SARIN X-track Angle Error  SARIN X-track Angle Error, Surface Model Unavailable  SARIN X-track Angle Error, Surface Model Unavailable  SARIN X-track Angle Error  SARIN X-track Angle Error	CS_OFFL_SIR_SIN_220160702T202341_20160702T202347_C001	SARIn X-track Angle Error	
CS_OFFL_SIR_SIN_2_20160702T21714_20160702T21736_C001  CS_OFFL_SIR_SIN_2_20160702T215637_20160702T215801_C001  CS_OFFL_SIR_SIN_2_20160702T220255_20160702T220301_C001  CS_OFFL_SIR_SIN_2_20160702T220255_20160702T220301_C001  CS_OFFL_SIR_SIN_2_20160702T220255_20160702T220301_C001  SARIN X-track Angle Error	CS_OFFL_SIR_SIN_220160702T202357_20160702T202403_C001	SARIn X-track Angle Error	•
Model Unavailable  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  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error  SARIn X-track Angle Error  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	CS_OFFL_SIR_SIN_220160702T202729_20160702T202912_C001	SARIn X-track Angle Error	ŭ ŭ
CS_OFFL_SIR_SIN_2_20160702T220255_20160702T220301_C001  SARIN X-track Angle Error  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	CS_OFFL_SIR_SIN_220160702T211714_20160702T211736_C001		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_2_20160702T220631_20160702T220813_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  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_2_20160702T215637_20160702T215801_C001	SARIn X-track Angle Error	, o
CS_OFFL_SIR_SIN_2201607021220631_201607021220813_C001  SARIN X-track Angle Error  records  An ambiguous angle was detected for SARIn mode for one or more	CS_OFFL_SIR_SIN_2_20160702T220255_20160702T220301_C001	SARIn X-track Angle Error	•
An ambiguous angle was detected for SARIn mode for one or more	CS_OFFL_SIR_SIN_2_20160702T220631_20160702T220813_C001	SARIn X-track Angle Error	ŭ ŭ
CS_OFFL_SIR_SIN_220160702T233635_20160702T233758_C001 SARIn X-track Angle Error records	CS_OFFL_SIR_SIN_220160702T233635_20160702T233758_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160702T234325_20160702T234638_C001  SARIn X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more records	CS_OFFL_SIR_SIN_220160702T234325_20160702T234638_C001	SARIn X-track Angle Error	, o