



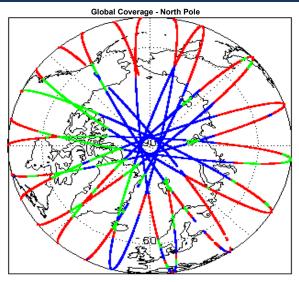
# 1. Overview

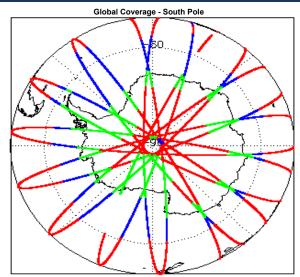
Report Production Date:	16-Sep-2016
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

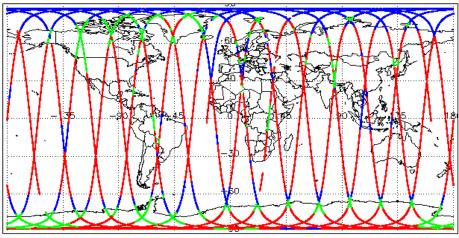
Oh I-	04-4
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary 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

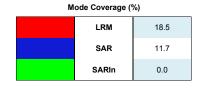
Mission / Instrument News	
18-Aug-2016	None
19-Aug-2016	None
20-Aug-2016	Nothing planned

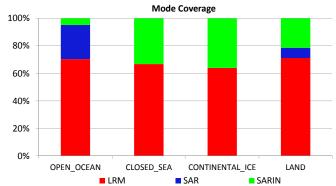
# 2. Global Coverage

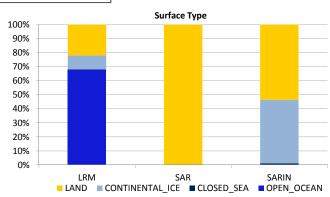












# 3. Instrument Configuration

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

Number of products with errors: 0

### 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_20160819T220123_20160819T220137_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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220160818T234254_20160819T001909_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 _20160819T003146_20160819T003839_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20160819T003853_20160819T010307_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220160819T011242_20160819T011435_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160819T012208_20160819T013801_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_20160819T013805_20160819T015019_C001	Height Error (Retracker 2), Height Error (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_220160819T021157_20160819T022741_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_220160819T023401_20160819T024426_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_220160819T025123_20160819T025352_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160819T030130_20160819T031524_C001	Height Error (Retracker 2), Height Error (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_220160819T031704_20160819T032311_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_220160819T035029_20160819T035234_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_220160819T035356_20160819T035702_C001	Height Error (Retracker 2), Height Error (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_220160819T035718_20160819T040107_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS OFFL SIR LRM 2 20160819T040230 20160819T040904 C001	Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	records  There is a height and backscatter error for Retracker 2 and a height error
	(Retracker 2) Height Error (Retracker 2), Height Error	for Retracker 3 for one or more records  There is a height and backscatter error for Retracker 2 and no surface
CS_OFFL_SIR_LRM_220160819T040907_20160819T042507_C001	(Retracker 3), Backscatter Error (Retracker 2)	model available for one or more records
CS_OFFL_SIR_LRM_220160819T042906_20160819T043755_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160819T044110_20160819T050354_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_220160819T051517_20160819T051615_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_20160819T053105_20160819T060446_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20160819T062041_20160819T065617_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220160819T065628_20160819T065817_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220160819T071259_20160819T072736_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_220160819T075944_20160819T082343_C001	Height Error (Retracker 2), Height Error (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_220160819T083528_20160819T083659_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_220160819T084857_20160819T092222_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_20160819T094603_20160819T095324_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220160819T101208_20160819T101630_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRWI_Z201000191101208_201000191101030_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records
CS_OFFL_SIR_LRM_220160819T102508_20160819T103745_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height 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_220160819T104031_20160819T110135_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_220160819T111901_20160819T112901_C001	Height Error (Retracker 2), Height Error (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_220160819T113049_20160819T114322_C001	Height Error (Retracker 2), Height Error (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_220160819T115235_20160819T115247_C001	Height Error (Retracker 2), Height Error (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_220160819T120531_20160819T124036_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 for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220160819T124859_20160819T125133_C001	(Retracker 2) Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20160819T125940_20160819T131209_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220160819T131229_20160819T132954_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error	records  There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_220160819T134351_20160819T135008_C001	(Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220160819T135121_20160819T140304_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_220160819T140507_20160819T141949_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_220160819T143704_20160819T144452_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_220160819T145335_20160819T150950_C001	Height Error (Retracker 2), Height Error (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_220160819T154431_20160819T155824_C001	(Retracker 2) 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_20160819T161442_20160819T164902_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
00_011	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records

CS_OFFL_SIR_LRM_2_20160819T171453_20160819T173717_C001	records  No DEM or Slope Model was used for the location of 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  No DEM or Slope Model was used for the location of 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 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 records  There is a height and backscatter error for Retracker 2 and a height error
Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscater Error (Retracker 3), Backscatter Error (Retracker 2), Backscater Error (Retracker 3), Backscatter Error (Retracker 2), Backscater Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscater Error (Retracker 2), Backscater Er	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  No DEM or Slope Model was used for the location of 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 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 records  There is a height and backscatter error for Retracker 2 and a height error records
CS_OFFL_SIR_LRM_2_20160819T175316_20160819T182050_C001  (Retracker 3), Backscatter Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20160819T184858_20160819T191657_C001  CS_OFFL_SIR_LRM_2_20160819T192525_20160819T192852_C001  CS_OFFL_SIR_LRM_2_20160819T193303_20160819T194327_C001  CS_OFFL_SIR_LRM_2_20160819T194903_20160819T194327_C001  CS_OFFL_SIR_LRM_2_20160819T194903_20160819T200647_C001  CS_OFFL_SIR_LRM_2_20160819T201818_20160819T202535_C001  CS_OFFL_SIR_LRM_2_20160819T201818_20160819T203325_C001  CS_OFFL_SIR_LRM_2_20160819T203222_20160819T203325_C001  CS_OFFL_SIR_LRM_2_20160819T203222_20160819T204859_C001  CS_OFFL_SIR_LRM_2_30160819T211312_20160819T214859_C001  CS_OFFL_SIR_LRM_2_30160819T211312_20160819T214859_C001  (Retracker 3), Backscatter Error (Retracker 2)  Height Error (Retracker 2)  Height Error (Retracker 2)  Height Error (Retracker 2)  Height Error (Retracker 2), Height Error (Retracker 2)  Height Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2)  Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)	Intere 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  No DEM or Slope Model was used for the location of 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 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 records  There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_2_20160819T194838_20160819T191657_c001  CS_OFFL_SIR_LRM_2_20160819T192525_20160819T192852_C001  CS_OFFL_SIR_LRM_2_20160819T193303_20160819T194327_C001  CS_OFFL_SIR_LRM_2_20160819T194903_20160819T200647_C001  CS_OFFL_SIR_LRM_2_20160819T194903_20160819T200647_C001  CS_OFFL_SIR_LRM_2_20160819T201818_20160819T202535_C001  CS_OFFL_SIR_LRM_2_20160819T201818_20160819T202535_C001  CS_OFFL_SIR_LRM_2_20160819T203222_20160819T203325_C001  CS_OFFL_SIR_LRM_2_20160819T203222_20160819T203325_C001  CS_OFFL_SIR_LRM_2_20160819T203222_20160819T203325_C001  CS_OFFL_SIR_LRM_2_30160819T211312_20160819T214859_C001  CS_OFFL_SIR_LRM_2_30160819T211312_20160819T214859_C001  CS_OFFL_SIR_LRM_2_30160819T211312_20160819T214859_C001	records  No DEM or Slope Model was used for the location of 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 for one or more records  There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_2_20160819T193303_20160819T194327_C001	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 for one or more records  There is a height and backscatter error for Retracker 2 and a height error records  There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_2_20160819T193303_20160819T194327_C001	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 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
CS_OFFL_SIR_LRM_2_20160819T194903_20160819T200647_C001  Error (Retracker 2)  Height Error (Retracker 2), Height E (Retracker 2)  CS_OFFL_SIR_LRM_2_20160819T203222_20160819T203325_C001  CS_OFFL_SIR_LRM_2_20160819T203222_20160819T203325_C001  CS_OFFL_SIR_LRM_2_20160819T211312_20160819T214859_C001  CS_OFFL_SIR_LRM_2_20160819T211312_20160819T214859_C001  Error (Retracker 2)  Height Error (Retracker 2), Height E (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2)	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 and a height error
CS_OFFL_SIR_LRM_2_20160819T201818_20160819T202535_C001 (Retracker 3), Backscatter Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20160819T203222_20160819T203325_C001 Height Error (Retracker 2), Backsca Error (Retracker 2)  CS_OFFL_SIR_LRM_2_20160819T211312_20160819T214859_C001 (Retracker 3), Backscatter Error (Retracker 2), Height 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 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter 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
Error (Retracker 2)   Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2))	records  There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_2_20160819T211312_20160819T214859_C001 (Retracker 3), Backscatter Error (Retracker 2)	There is a neight and backscatter error for Retracker 2, and a neight error
	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160819T215754_20160819T220003_C001 Height Error (Retracker 2), Backsca Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20160819T220909_20160819T220947_C001	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20160819T221338_20160819T223419_C001	
CS_OFFL_SIR_LRM_2_20160819T223936_20160819T224445_C001 Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20160819T225146_20160819T232713_C001  Height Error (Retracker 2), Height E (Retracker 3), Backscatter Error (Patracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
(Retracker 2) Height Error (Retracker 2), Height E CS_OFFL_SIR_LRM_2_20160819T233718_20160819T233906_C001  (Retracker 2), Height E (Retracker 3), Backscatter Error (Petracker 2)	
(Retracker 2)  CS_OFFL_SIR_LRM_2_20160819T234923_20160820T001218_C001  Height Corror (Retracker 2), Backsca	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_SIN_2 _20160819T011007_20160819T011241_C001	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160819T011435_20160819T011703_C001	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160819T011922_20160819T012059_C001	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160819T020513_20160819T020633_C001	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160819T021037_20160819T021157_C001 SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2201608191021037_201608191021157_C001  CS_OFFL_SIR_SIN_220160819T024549_20160819T025122_C001  SARIM X-track Angle Error  SARIM X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2201008191024949_201008191029122_0001  SARIN X-track Angle Error  SARIN X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160819T025842_20160819T030021_C001	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFI_SIR_SIN_2_20160819T033949_20160819T034034_C001 SARIn X-track Angle Error, Surface	
CS OFFL SIR SIN 2 20160819T034446 20160819T034655 C001 SARIn X-track Angle Error	Model was used for one or more records  An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20160819T042730 20160819T042906 C001 SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
CS OFFL SIR SIN 2 20160819T043755 20160819T044000 C001 SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFI_SIR_SIN_2_20160819T052358_20160819T052845_C001 SARIn X-track Angle Error, Surface	
CS_OFFL_SIR_SIN_2_20160819T060705_20160819T060832_C001	Model was used for one or more records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2201608191060705_201608191060632_C001  CS_OFFL_SIR_SIN_2201608191061014_201608191061119_C001  SARIM X-track Angle Error  SARIM 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_20160819T061546_20160819T061811_C001 SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160819T074642_20160819T075034_C001 SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160819T075624_20160819T075749_C001 SARIn X-track Angle Error SARIn X-track Angle Error SARIn X-track Angle Error, Surface	records
CS_OFFL_SIR_SIN_2201608191083706_201608191083803_C001	Model was used for one or more records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220160819T092627_20160819T092940_C001 SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160819T093455_20160819T093606_C001 SARIn X-track Angle Error	records An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220160819T110355_20160819T110815_C001 SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_220160819T111356_20160819T111517_C001 SARIn X-track Angle Error	records  An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20160819T115323_20160819T115731_C001 SARIn X-track Angle Error	records  An ambiguous angle was detected for SARII mode for one or more  An ambiguous angle was detected for SARII mode for one or more
CS_OFFL_SIR_SIN_2_20160819T124151_20160819T124313_C001 SARIn X-track Angle Error	An ambiguous angle was detected for SARIII mode for one or more records  An ambiguous angle was detected for SARIII mode for one or more
CS_OFFL_SIR_SIN_2_20160819T125133_20160819T125320_C001 SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_220160819T132954_20160819T133116_C001 SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T133302_20160819T133330_C001 SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T133534_20160819T133629_C001 SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T142056_20160819T142238_C001 SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160819T142808_20160819T142815_C001 SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160819T142937_20160819T143200_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
CS_OFFL_SIR_SIN_220160819T150950_20160819T151243_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_220160819T151328_20160819T151540_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_220160819T155944_20160819T160157_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T160707_20160819T160712_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T160837_20160819T161305_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T174000_20160819T174234_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T174604_20160819T174611_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T174620_20160819T174626_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T174953_20160819T175136_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T191850_20160819T192018_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T192518_20160819T192525_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T192852_20160819T193029_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T205900_20160819T210017_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T210549_20160819T210907_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T215659_20160819T215753_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_220160819T223820_20160819T223936_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160819T224445_20160819T224757_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records