



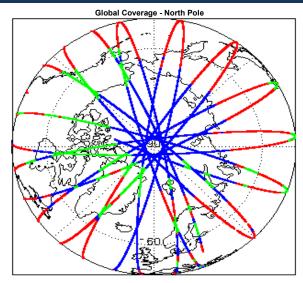
# 1. Overview

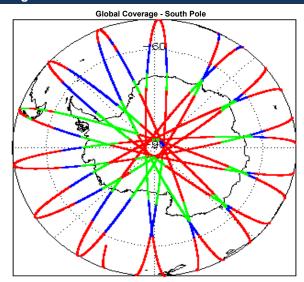
Report Production Date:	28-Jul-2016
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

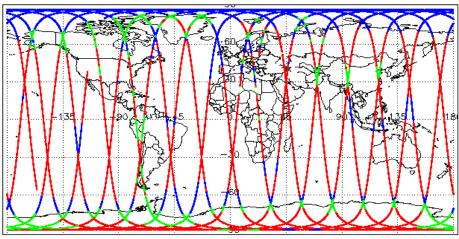
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Section 4.2
Star Tracker Usage Check	Nominal
L1B Calibration Usage Check	Nominal
L1B & L2 Auxiliary Data File Usage Check	Nominal
L1B & L2 Auxiliary Correction Error Check	Nominal
L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5

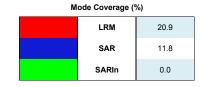
Mission / Instrument News		
26-Jun-2016	None	
27-Jun-2016	None	
28-Jun-2016	Nothing planned	

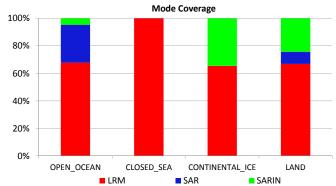
# 2. Global Coverage

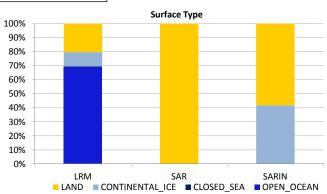












# 3. Instrument Configuration

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:

Product	Test Failed
CS_OFFL_SIR_SAR_1B_20160627T065238_20160627T065238_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:

#### 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:

#### 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_20160627T004934_20160627T005044_C001	IECDO EFFOR LEK ECDO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20160627T185548_20160627T190426_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:

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#### 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

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:

Number of products with errors: 102		
Product	Test Failed	Description
CS_OFFL_SIR_LRM_220160626T235738_20160627T003231_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_220160627T004333_20160627T004508_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_220160627T005403_20160627T005654_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_220160627T005837_20160627T012010_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_220160627T012433_20160627T012942_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160627T013617_20160627T021220_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_2_20160627T023434_20160627T025715_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_220160627T030651_20160627T030845_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160627T031618_20160627T033308_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_2_20160627T033749_20160627T035215_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_220160627T040510_20160627T042213_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_220160627T042402_20160627T043818_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_220160627T045508_20160627T051014_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_220160627T051216_20160627T052138_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_220160627T054458_20160627T054501_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_220160627T054823_20160627T060101_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_220160627T060637_20160627T061455_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_220160627T062350_20160627T063200_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160627T063438_20160627T064956_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_220160627T073248_20160627T075907_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_220160627T080516_20160627T081038_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160627T081441_20160627T083830_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 20160627T091149 20160627T092142 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_LRM_220160627T095315_20160627T102200_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_220160627T102500_20160627T103018_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_LRM_220160627T104405_20160627T111632_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220160627T120059_20160627T120220_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_220160627T120750_20160627T120753_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_220160627T120808_20160627T121057_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_220160627T122256_20160627T123317_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_220160627T123439_20160627T125627_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_20160627T131217_20160627T133816_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_20160627T140037_20160627T143448_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_220160627T144312_20160627T144706_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220160627T145356_20160627T152519_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_220160627T153756_20160627T155231_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_220160627T155713_20160627T161427_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_2_20160627T163216_20160627T164532_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

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COPPLIES INFO 2. 20000007119019. 20100007719019. COID  COLUMNIA DE 2. 2000007719019. COID  COLUMNIA DE 2. 20000077719019. COID	CS_OFFL_SIR_LRM_220160627T164747_20160627T170110_C001		
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CB_OFFL_SRI_2AD2000027T10002_3500027T10000_00000000000000000000000000000000	CS_OFFL_SIR_LRM_220160627T190959_20160627T193152_C001	Error (Retracker 2)	
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Error (Retansker 2)  SOFFL_SR_DA_2_0100027710149 20100027710143 C001  SARIN X-flack Angle Error  SARIN	CS_OFFL_SIR_LRM_220160627T225410_20160627T230211_C001		·
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S. OFFL_SIR_SIN_2_20160627T044756_20160627T04458_C001  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes and an absolute angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error and ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more executes. SARIN X-track Angle Error  An ambig		-	
SOFFL SIR SIN_2_20160627T04528_20160627T045435_C001  SARIN Xtrack Angle Error Pectors  An ambiguous angle was detected for SARIN mode and no DEM or Stope Model Unavailable  Model Unavailable  Model Unavailable  SARIN Xtrack Angle Error Pectors  An ambiguous angle was detected for SARIN mode for one or more Pectors  SARIN Xtrack Angle Error Pectors  An ambiguous angle was detected for SARIN mode for one or more Pectors  SARIN Xtrack Angle Error Pectors  An ambiguous angle was detected for SARIN mode for one or more Pectors  SARIN Xtrack Angle Error Pectors  An ambiguous angle was detected for SARIN mode for one or more Pectors  SARIN Xtrack Angle Error Pectors  An ambiguous angle was detected for SARIN mode for		-	An ambiguous angle was detected for SARIn mode for one or more
CS_OFFL_SIR_SIN_2_20166627T053843_20160627T053950_C001  SARIN X-track Angle Error Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  An ambiguous angle was detected for SARIN mode and no DEM or Stope Model Unavailable  Model Unavailable  Model Unavailable  SARIN X-track Angle Error Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  SARIN X-track Angle Error Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  SARIN X-track Angle Error Peccords  SARIN X-track Angle Error Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  SARIN X-track Angle Error Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  SARIN X-track Angle Error Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  SARIN X-track Angle Error Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  An ambiguous angle was detected for SARIN mode for one or more Peccords  An ambiguous angl		-	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error excords Model Unavailable excord excord excords Model Unavailable excord excor		-	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error SARIN SIN 2_0160627T062143_20160627T063348_C001 SARIN X-track Angle Error SARIN X-track Angle Er	CS_OFFL_SIR_SIN_2_20160627T054047_20160627T054149_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
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, Surface Model Unavailable SARIN X-track Angle Error, Surface Model Was used 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 SARIN X-track Angle Error	CS_OFFL_SIR_SIN_220160627T062143_20160627T062350_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SAPIN X-track Angle Error Surface Model Unavailable Error Surface RS OFFL SIR SIN 2_20160627T08048_20160627T08045_C001  SARIN X-track Angle Error SARIN say 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 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 for one or more records An ambiguous angle was detected for SARIN mode for one or more records An ambiguous angle was detected	CS_OFFL_SIR_SIN_220160627T063201_20160627T063348_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more
SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T080440_20160627T080515_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T08039_20160627T081310_C001  SARIN X-track Angle Error  SARIN X-track Angl	CS_OFFL_SIR_SIN_220160627T071757_20160627T072347_C001		An ambiguous angle was detected for SARIn mode and no DEM or Slope
CS_OFFL_SIR_SIN_2_20160627T081319_20160627T081310_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  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 ambiguo	CS_OFFL_SIR_SIN_220160627T080048_20160627T080235_C001		
SARIN X-track Angle Error records  An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable Error  CS_OFFL_SIR_SIN_2_20160627T094035_20160627T094156_C001  CS_OFFL_SIR_SIN_2_20160627T094035_20160627T094443_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T094255_20160627T094443_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T095046_20160627T095209_C001  CS_OFFL_SIR_SIN_2_20160627T112024_20160627T095209_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  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 ambiguo	CS_OFFL_SIR_SIN_220160627T080440_20160627T080515_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  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 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	CS_OFFL_SIR_SIN_220160627T081039_20160627T081310_C001		* *
CS_OFFL_SIR_SIN_2_20160627T094255_20160627T094443_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T094255_20160627T095209_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T112024_20160627T112352_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T112024_20160627T112352_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T112921_20160627T113038_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T112931_20160627T113035_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T130808_20160627T130932_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T130808_20160627T130932_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T134935_20160627T130932_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T134935_20160627T135145_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T1443637_20160627T144816_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  An ambiguous angle was detected for SARIn mode for o	CS_OFFL_SIR_SIN_2_20160627T085121_20160627T085148_C001		Model was used for one or more records
CS_OFFL_SIR_SIN_2_20160627T095046_20160627T09509_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  An ambiguous angle was detected for SARIn mode for one or more records  An ambiguous angle was detected for SARIn mode for one o	CS_OFFL_SIR_SIN_2_20160627T094035_20160627T094156_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20160627T112024_20160627T112352_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  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	CS_OFFL_SIR_SIN_2_20160627T094255_20160627T094443_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20160627T112921_20160627T13038_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T125931_20160627T130252_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T130808_20160627T130932_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T130808_20160627T130932_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T134935_20160627T135145_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  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_220160627T095046_20160627T095209_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20160627T125931_20160627T130932_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T130808_20160627T130932_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T130808_20160627T130932_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T134935_20160627T135145_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T143637_20160627T143824_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  An ambiguous angle was detected for SARIN mode for one or more records	CS_OFFL_SIR_SIN_220160627T112024_20160627T112352_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20160627T130808_20160627T130932_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  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	CS_OFFL_SIR_SIN_2_20160627T112921_20160627T113038_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20160627T130806_20160627T135145_C001  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T134935_20160627T143824_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  SARIN X-track Angle Error  SARIN X-track Angle Error  CS_OFFL_SIR_SIN_2_20160627T144706_20160627T144816_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  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	CS_OFFL_SIR_SIN_220160627T125931_20160627T130252_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20160627T143637_20160627T143814_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  An ambiguous angle was detected for SARIN mode for one or more records	CS_OFFL_SIR_SIN_220160627T130808_20160627T130932_C001	SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20160627T144706_20160627T144816_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  An ambiguous angle was detected for SARIN mode for one or more records		SARIn X-track Angle Error	records
CS_OFFL_SIR_SIN_2_20160627T152542_20160627T152649_C001  CS_OFFL_SIR_SIN_2_20160627T152941_20160627T153035_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		-	records
CS_OFFL_SIR_SIN_2_20160627T152941_20160627T153035_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
CS_OFFL_SIR_SIN_2201000271152941_201000271153035_C001  SARIN X-track Angle Error  SARIN X-track Angle Error  An ambiguous angle was detected for SARIn mode for one or more		-	records
		-	records
	CS_OFFL_SIK_SIN_ZZU1606271161457_ZU1606271161634_C001	SAKIN X-Track Angle Error	

CS_OFFL_SIR_SIN_2_20160627T162224_20160627T162226_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T162406_20160627T162604_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T170746_20160627T171001_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_220160627T175412_20160627T175600_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T180121_20160627T180127_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T180241_20160627T180936_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T184324_20160627T184837_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_220160627T193318_20160627T193623_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T194019_20160627T194025_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T194303_20160627T194535_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T211249_20160627T211409_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T212305_20160627T212427_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160627T221133_20160627T221209_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_220160627T225246_20160627T225410_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20160627T230211_20160627T230323_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records