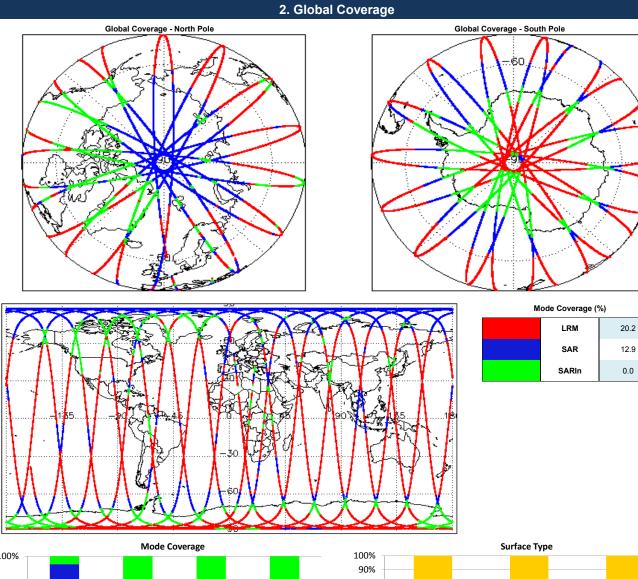
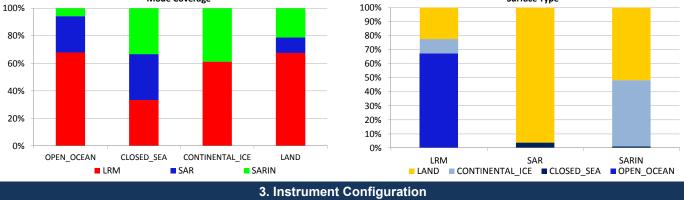


IDEAS+ Daily Report for OFFLINE data:

30/06/2016

1. Overview							
Report Production Date		01-Aug-2016		Check	Status		
				Server check: science-pds.cryosat.esa.int	Nominal		
Processor Us	eod.	CryoSat Ice Processor		Server check: calval-pds.cryosat.esa.int	Nominal		
110003301-0.	scu.			Product Software Check	Nominal		
Data Used		L1B and L2 OFFLINE Data		Product Format Check	Nominal		
Data Used	I.			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							
29-Jun-2016 None	•						
30-Jun-2016 None	•						
01-Jul-2016 Nothi	01-Jul-2016 Nothing planned						





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

SIRAL instrument(s) in use: SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

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: 0

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: 3

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20160630T060423_20160630T061848_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20160630T081109_20160630T081653_C001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20160630T143235_20160630T143244_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: 0

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.

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.

 Berger and Berger an	Product	Test Failed	Description
CG 0FH BH UH 2 20100071042 (20100071030 (2010) CG 0FH BH UH 2 20100071042 (20100071030 (2011) CG 0FH BH UH 2 20100071030 (2010) CG 0FH BH UH 2 20100071030 (2010) CG 0FH BH UH 2 20100071030 (2010) CG 0FH BH UH 2 20100071030 (2011) CG 0FH BH UH 2 20100071030 (2011)		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CL_CHT_GPUINGCONSCIDENTS_201800011146_001 High firm (Funded 2), Restore The a high of the backade much is financial 2 for on more CL_CHT_GPUINGCONSCIDENT_SEC_CON High firm (Funded 2), Restore The a high of the backade much is financial 2 for on more CL_CHT_GPUINGCONSCIDENT_SEC_CON High firm (Funded 2), Restore The a high of the backade much is financial 2 for on more CL_CHT_GPUINGCONSCIDENT_SEC_CON High firm (Funded 2), Restore The a high of the backade much is financial 2 for on more CL_CHT_GPUINGCONSCIDENT_SEC_CON High firm (Funded 2), Restore The a high of the backade much is financial 2 for on more CL_CHT_GPUINGCONSCIDENT_SEC_CON	CS_OFFL_SIR_LRM_220160630T004315_20160630T010447_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Col, Chi, Chi, Chi, Chi, Chi, Chi, Chi, Chi	CS_OFFL_SIR_LRM_220160630T010732_20160630T011759_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records
Light (m), (m), (m), (m), (m), (m), (m), (m),	CS_OFFL_SIR_LRM_220160630T012831_20160630T013214_C001		There is a height and backscatter error for Retracker 2 for one or more records
CB_0TT_SEL_IN_2_D01900070021_200002102000_C011 Med Low Decision (2), D	CS_OFFL_SIR_LRM_220160630T014029_20160630T014142_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Ext, Dest, Law, Z., 20100001103120, 20100001103000, COUNT Heydy family filterable They is a highly and backable and in the state of an a mage is a discussion from the state of discussion from the state of discussion from the state of the state of discussion from the state of the st	CS_OFFL_SIR_LRM_220160630T015524_20160630T020555_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CG <	CS_OFFL_SIR_LRM_220160630T022253_20160630T025908_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
CS_OFT_ST_UNL_2_D00000000000000000000000000000000000	CS_OFFL_SIR_LRM_220160630T031125_20160630T034307_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more records
CG GFL_SRL_KAL_2_D0100001104000_20100000_00001 Respect or full control in the contro in the control in the control in the control in the contro	CS_OFFL_SIR_LRM_220160630T035245_20160630T035440_C001		No DEM or Slope Model was used for the location of one or more records
C2: OFT, SR, LML 2, 210000710400, 2010000710549, 20100007105490, 20100007115500, 2010000711550, 20100007115500, 20100007115500, 2010	CS_OFFL_SIR_LRM_220160630T035645_20160630T035946_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
City, City, Sing, Law, 2, 2010000011040140, 2010000001003309, 2010 Explore Model Unsuble Februace 2) Sing, City, 2, 2010000011030319, 201000001003309, 2010 Sing, City, 2, 201000001003119, 201000001003309, 2010 Sing, City, 2, 201000001004319, 201000001044002, 2 and a large term City, City	CS_OFFL_SIR_LRM_220160630T040203_20160630T043006_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
 CorFL, SRI, LMA, 2., 2016600716249, 20160007111204, 201600071111020, 2011 Cor, Cra, L, Ru, M, Z., 20160007100000, 2011 Hagt Error (Petrador 2), Backatter Error (P	CS_OFFL_SIR_LRM_220160630T045140_20160630T050745_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Ce_OFF, SR_LBAL_2_D010000706432, 2000007105032, C001 Performance 7), Backternet Frier Performance 7	CS_OFFL_SIR_LRM_220160630T053119_20160630T053359_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
Entry (Reinsoir 2) Entry (Reinsoir 2) Entry (Reinsoir 2) <td>CS_OFFL_SIR_LRM_220160630T054133_20160630T055533_C001</td> <td>(Retracker 3), Backscatter Error</td> <td>There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records</td>	CS_OFFL_SIR_LRM_220160630T054133_20160630T055533_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error (Retrader 2) Error	CS_OFFL_SIR_LRM_220160630T055713_20160630T055956_C001		There is a height and backscatter error for Retracker 2 for one or more records
Corp. Fig. Sec. Fig. Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec	CS_OFFL_SIR_LRM_220160630T063401_20160630T063951_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LBM_2_2019053017010_201905301071450_C001 Sufface Model Unavailable No DEM or Slope Model was used to the location of one or now records CS_OFFL_SIR_LBM_2_2019053010711_201_0010030108446_C001 Height Error (Reinsder 2), Lepid Error (Reinsder 2) These a height and backscatter error for Reinsder 2 to one or more records CS_OFFL_SIR_LBM_2_20190530108450_001 Height Error (Reinsder 2), Lepid Error (Reinsder 2) These a height and backscatter error for Reinsder 2 to one or more records CS_OFFL_SIR_LBM_2_20190530109350_00100350_0010 Height Error (Reinsder 2), Lepid Error (Reinsder 2) These a height and backscatter error for Reinsder 2 to one or more records CS_OFFL_SIR_LBM_2_20190530109350_00100350_0010 Height Error (Reinsder 2), Lepid Error (Reinsder 2) Reinsder Error (Reinsder 2) Reinsder Error (Reinsder 2) CS_OFFL_SIR_LBM_2_20190530110230_00100350_0010 Height Error (Reinsder 2), Lepid Error (Reinsder 2) Reinsder Error (Reinsder 2) Reinsder Error (Reinsder 2) Reinsder Error (Reinsder 2) CS_OFFL_SIR_LBM_2_20190530112050_0100350 Error (Reinsder 2) Reinsder Error (Reinsder 2) Re	CS_OFFL_SIR_LRM_220160630T064234_20160630T070556_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
SG_OFFL_SR_LRM_2_2016083011/2102_0100830110230_20160830110300_2001 GS_OFFL_SR_LRM_2_20160830110310_20160830110230_2016030110230_2001 GS_OFFL_SR_LRM_2_20160830110310_20160830110230_2001 GS_OFFL_SR_LRM_2_201608301110312_01608301110230_2001 GS_OFFL_SR_LRM_2_201608301110312_01608301110230_2001 GS_OFFL_SR_LRM_2_201608301110312_01608301112340_2001 GS_OFFL_SR_LRM_2_201608301112310_201608301112340_2001 GS_OFFL_SR_LRM_2_201608301112310_201608301112340_2001 GS_OFFL_SR_LRM_2_201608301112340_201608301112340_2001 GS_OFFL_SR_LRM_2_201608301112340_201608301112340_2001 GS_OFFL_SR_LRM_2_201608301112340_201608301113442_2000 GS_OFFL_SR_LRM_2_201608301112340_201608301131750_C001 GS_OFFL_SR_LRM_2_201608301112340_201608301113442_2000 GS_OFFL_SR_LRM_2_201608301112340_201608301113442_2001 GS_OFFL_SR_LRM_2_201608301112340_201608301113442_2001 GS_OFFL_SR_LRM_2_201608301112340_20160830113442_2001 GS_OFFL_SR_LRM_2_201608301112340_201608301113442_2000 GS_OFFL_SR_LRM_2_201608301112340_201608301113442_2000 GS_OFFL_SR_LRM_2_201608301112340_201608301113442_2000 GS_OFFL_SR_LRM_2_201608301113442_2000 GS_OFFL_SR_LRM_2_201608301113442_2000 GS_OFFL_SR_LRM_2_201608301113442_2000 GS_OFFL_SR_LRM_2_20160830113442_2000 GS_OFFL_SR_LRM_2_20160830113442_2000 GS_OFFL_SR_LRM_2_20160830113442_2000 GS_OFFL_SR_LRM_2_20160830113442_2000 GS_OFFL_SR_LRM_2_20160830113240_2001 GS_OFFL_SR_LRM_2_20160830113240_2001 GS_OFFL_SR_LRM_2_20160830113240_2001 GS_OFFL_SR_LRM_2_20160830113240_2001 GS_OFFL_SR_LRM_2_2016083011324	CS_OFFL_SIR_LRM_220160630T070910_20160630T071755_C001		No DEM or Slope Model was used for the location of one or more records
cs_OFFL_SIR_LEM201608307161711_20160830706454_0001 (Petradaer 2), Backcatter Error (Petradaer 2), Backcatter Error (Petradaer 2), Backcatter Error (Petradaer 2), Backcatter Error (Petradaer 2), Backcatter (Petradaer 2), Betradaer 2), Height Error (Petradaer 3), Backcatter (Petradaer 2), Height Error (Petradaer	CS_OFFL_SIR_LRM_220160630T072103_20160630T074507_C001	Error (Retracker 2)	
CS_OFFL_SIR_LEM_2_D016030100004_000000000000000000000000000000	CS_OFFL_SIR_LRM_220160630T081711_20160630T084454_C001	(Retracker 3), Backscatter Error (Retracker 2)	
Correction Carrent carrers Carrent carrent carrers Carrent carrent carrers	CS_OFFL_SIR_LRM_220160630T090004_20160630T092553_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20100630710313_00106307102330_C001 Em/ (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_201006307104725_001066307102330_C001 Height Error (Retracker 2), Backscatter Error (CS_OFFL_SIR_LRM_220160630T093638_20160630T093656_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20100630110133_201000301110233_20100030110233_20100030110233_2010030110233_2010030110233_2010030110233_2010030110233_2010030110233_201003011033_2010030113010_2010_2	CS_OFFL_SIR_LRM_220160630T095236_20160630T100739_C001	Error (Retracker 2)	records
LS_OFFL_SIR_LRM_2_201000301100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/100/S31100/ray_0/r	CS_OFFL_SIR_LRM_220160630T101313_20160630T102330_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20160630T111534_20160630T1120246_C001 (Retracker 2) Height Error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T122106_20160630T120246_C001 (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 2), Leight Error (Retra	CS_OFFL_SIR_LRM_220160630T104725_20160630T105454_C001	Error (Retracker 2)	records.
CS_OFFL_SIR_LRM_2_20160630T12914_20160630T120246_0001 (Reiracker 2), Backszatter Error (Reiracker 2), Backszatter Error	CS_OFFL_SIR_LRM_220160630T111534_20160630T111633_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_201606301125430_201606301125603_0001 Error (Retracker 2). records CS_OFFL_SIR_LRM_2_201606301125430_201606301130704_20160630113750_C001 (Retracker 2). records CS_OFFL_SIR_LRM_2_201606301130704_201606301131750_C001 (Retracker 2). relight Error (Retracker 2). CS_OFFL_SIR_LRM_2_201606301132036_201606301134142_C001 (Retracker 2). relight Error (Retracker 2). CS_OFFL_SIR_LRM_2_201606301142557_20160630114242_C001 (Retracker 2). relight Error (Retracker 2). CS_OFFL_SIR_LRM_2_201606301142557_201606301142557_201606301143244_C001 (Retracker 2). relight Error (Retracker 2). CS_OFFL_SIR_LRM_2_201606301142557_201606301143244_C001 (Retracker 2). relight Error (Retracker 2). Height Error (Retracker 2). relight Error (Retracker 2). relight Error (Retracker 2). CS_OFFL_SIR_LRM_2_201606301142557_201606301143244_C001 (Retracker 2). relight Error (Retracker 2). Retracker 3). Backscatter Error (Retracker 2). relight Error (Retracker 2). relight Error (Retracker 2). CS_OFFL_SIR_LRM_2_201606301145236_C001 (Retracker 2). relight Error (Retracker 2). relight Error (Retracker 2). CS_OFFL_SIR_LRM_2_201606301152026_C001 (Retracker 2). relight Error (Retracker 2). relight Error (Retracker 2). relight Error (Retra	CS_OFFL_SIR_LRM_220160630T112914_20160630T120246_C001	(Retracker 3), Backscatter Error (Retracker 2)	
US_OFFL_SIR_LRM_220160630T12545_20160630T132036_20160630T132036_20160630T134142_C001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20160630T132036_20160630T132036_20160630T134142_C001 Height Error (Retracker 2), Height Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Ba	CS_OFFL_SIR_LRM_220160630T122106_20160630T124051_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20160630T130704_20160630T131750_C001 (Retracker 2) (Retracker 2) Height Error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T132036_20160630T134142_C001 Height Error (Retracker 2) (Retracker 2) Height Error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T142537_20160630T142309_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T142557_20160630T143209_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Back	CS_OFFL_SIR_LRM_220160630T125430_20160630T125603_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20160630T132036_20160630T142230_C001 (Retracker 3), Backscatter Error (Retracker 2) Interest a height and backscatter error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T142557_20160630T142330_C001 (Height Error (Retracker 2), Height Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T143235_20160630T143244_C001 (Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height er for Retracker 3 for one or more records CS_OFFL_SIR_LRM_2_20160630T150528_20160630T150512_0_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2) No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20160630T163149_20160630T16013_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2	CS_OFFL_SIR_LRM_220160630T130704_20160630T131750_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160630T135841_20160630T142330_C001 (Retracker 2) (Retracker 2) Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T142557_20160630T143209_C001 (Retracker 2) (Retracker 2) Backscatter Error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T142557_20160630T143244_C001 (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), 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_20160630T150528_20160630T152054_C001 Error (Retracker 2), Height Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T153049_20160630T155217_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), He	CS_OFFL_SIR_LRM_220160630T132036_20160630T134142_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160630T142557_20160630T143209_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Beight Error (Ret	CS_OFFL_SIR_LRM_220160630T135841_20160630T142330_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160630T143235_20160630T143244_C001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), and a height error (Retracker 2), Backscatter Error (Retracker	CS_OFFL_SIR_LRM_220160630T142557_20160630T143209_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_2_20160630T144523_20160630T150526_C001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retrack	CS_OFFL_SIR_LRM_220160630T143235_20160630T143244_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
CS_OFFL_SIR_LRM_2_20160630T150528_20160630T152054_C001 Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2) CS_OFFL_SIR_LRM_2_20160630T152902_20160630T153124_C001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records CS_OFFL_SIR_LRM_2_20160630T153949_20160630T155217_C001 Error (Retracker 2), Backscatter Error (Retracker 2), Eight Error (Retracker 2), Backscatter Error (Retracker 3),	CS_OFFL_SIR_LRM_220160630T144523_20160630T150526_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_2_20160630T153949_20160630T155217_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 3), Backscatt	CS_OFFL_SIR_LRM_220160630T150528_20160630T152054_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_2_20160630T153349_20160630T161013_C001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_20160630T155313_20160630T161013_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_2_20160630T1643149_20160630T164311_C001 Retracker 2) There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Re	CS_OFFL_SIR_LRM_220160630T152902_20160630T153124_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20160630T155313_20160630T161013_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_2_20160630T163149_20160630T164311_C001 (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 2), CS_OFFL_SIR_LRM_2_20160630T164514_20160630T1645952_C001 There is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3), Bac	CS_OFFL_SIR_LRM_220160630T153949_20160630T155217_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20160630T163149_20160630T164311_C001 (Retracker 3), Backscatter Error (Retracker 2), From Retracker 2) Intere is a height and backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2), Backscatter error for Retracker 2 for one or more records CS_OFFL_SIR_LRM_2_20160630T164514_20160630T165952_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error For Retracker 3), Backscatter Error (Retracker 3)	CS_OFFL_SIR_LRM_220160630T155313_20160630T161013_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_2_20160630T164514_20160630T165952_C001 Height Error (Retracker 2), Backscatter 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 3), Backscatter Error (Retr	CS_OFFL_SIR_LRM_220160630T163149_20160630T164311_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20160630T171635_20160630T172743_C001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 3	CS_OFFL_SIR_LRM_220160630T164514_20160630T165952_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_2_20160630T173344_20160630T174525_C001 Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 4 for Retracker 4 for ne or more records	CS_OFFL_SIR_LRM_220160630T171635_20160630T172743_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height error
	CS_OFFL_SIR_LRM_220160630T173344_20160630T174525_C001	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_2__20160630T182435_20160630T183859_C001 CS OFFL SIR LRM 2 20160630T184732 20160630T184845 C001 CS_OFFL_SIR_LRM_2__20160630T185441_20160630T192016_C001 CS_OFFL_SIR_LRM_2__20160630T195358_20160630T201805_C001 CS OFFL SIR LRM 2 20160630T202630 20160630T202956 C001 CS_OFFL_SIR_LRM_2__20160630T203318_20160630T204429_C001 CS_OFFL_SIR_LRM_2__20160630T204959_20160630T210102_C001 CS_OFFL_SIR_LRM_2__20160630T213219_20160630T215752_C001 CS_OFFL_SIR_LRM_2_20160630T220528_20160630T220857_C001 CS_OFFL_SIR_LRM_2__20160630T221314_20160630T222339_C001 CS_OFFL_SIR_LRM_2__20160630T222913_20160630T224702_C001 CS_OFFL_SIR_LRM_2__20160630T230002_20160630T230246_C001 CS OFFL SIR SIN 2 20160630T002952 20160630T003118 C001 CS OFFL SIR SIN 2 20160630T003632 20160630T003935 C001 CS_OFFL_SIR_SIN_2__20160630T020950_20160630T021257_C001 CS OFFL SIR SIN 2 20160630T021533 20160630T022043 C001 CS_OFFL_SIR_SIN_2__20160630T030638_20160630T031023_C001 CS_OFFL_SIR_SIN_2__20160630T035010_20160630T035245_C001 CS OFFL SIR SIN 2 20160630T035440 20160630T035645 C001 CS_OFFL_SIR_SIN_2__20160630T035946_20160630T040108_C001 CS_OFFL_SIR_SIN_2__20160630T044522_20160630T044638_C001 CS OFFL SIR SIN 2 20160630T044911 20160630T045140 C001 CS OFFL SIR SIN 2 20160630T052508 20160630T053119 C001 CS OFFL SIR SIN 2 20160630T053359 20160630T053417 C001 CS OFFL SIR SIN 2 20160630T053846 20160630T054027 C001 CS_OFFL_SIR_SIN_2__20160630T062525_20160630T062552_C001 CS OFFL SIR SIN 2 20160630T062556 20160630T062635 C001 CS OFFL SIR SIN 2 20160630T062639 20160630T062704 C001 CS_OFFL_SIR_SIN_2__20160630T062756_20160630T063023_C001 CS_OFFL_SIR_SIN_2_20160630T070730_20160630T070910_C001 CS_OFFL_SIR_SIN_2__20160630T071755_20160630T071951_C001 CS_OFFL_SIR_SIN_2__20160630T080412_20160630T080856_C001 CS OFFL SIR SIN 2 20160630T084707 20160630T084839 C001 CS_OFFL_SIR_SIN_2__20160630T085013_20160630T085126_C001 CS_OFFL_SIR_SIN_2__20160630T085548_20160630T085825_C001 CS OFFL SIR SIN 2 20160630T102648 20160630T103039 C001 CS OFFL SIR SIN 2 20160630T103627 20160630T103749 C001 CS_OFFL_SIR_SIN_2__20160630T111729_20160630T111808_C001 CS_OFFL_SIR_SIN_2__20160630T120630_20160630T120944_C001 CS_OFFL_SIR_SIN_2__20160630T121458_20160630T121614_C001 CS OFFL SIR SIN 2 20160630T134347 20160630T134806 C001 CS_OFFL_SIR_SIN_2__20160630T135403_20160630T135518_C001 CS_OFFL_SIR_SIN_2__20160630T143319_20160630T143558_C001 CS_OFFL_SIR_SIN_2__20160630T143614_20160630T143738_C001 CS_OFFL_SIR_SIN_2__20160630T152154_20160630T152317_C001 CS_OFFL_SIR_SIN_2__20160630T153125_20160630T153311_C001 CS OFFL SIR SIN 2 20160630T161013 20160630T161424 C001 CS_OFFL_SIR_SIN_2__20160630T161542_20160630T161646_C001 CS_OFFL_SIR_SIN_2__20160630T170101_20160630T170244_C001 CS OFFL SIR SIN 2 20160630T170812 20160630T170818 C001

Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) ecords Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) There is a height and backscatter error for Retracker 2 for one or more ecords Surface Model Unavailable No DEM or Slope Model was used for the location of one or more records. Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) records Height Error (Retracker 2), Height Error There is a height and backscatter error for Retracker 2 and a height error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface 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 SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface 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 SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records SARIn X-track Angle Error, Surface An ambiguous angle was detected for SARIn mode and no DEM or Slope Model Unavailable Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records An ambiguous angle was detected for SARIn mode for one or more SARIn X-track Angle Error records

CS_OFFL_SIR_SIN_220160630T170938_20160630T171209_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T175334_20160630T175545_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_220160630T183956_20160630T184212_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T184710_20160630T184716_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T184845_20160630T185221_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T193914_20160630T193950_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_220160630T201957_20160630T202226_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T202607_20160630T202614_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T202624_20160630T202630_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T202956_20160630T203139_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T211938_20160630T212000_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_220160630T215900_20160630T220025_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T220521_20160630T220528_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T220858_20160630T221038_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T233902_20160630T234023_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160630T234552_20160630T234906_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records