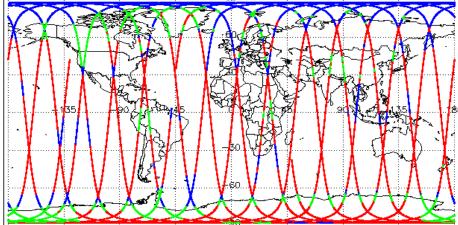
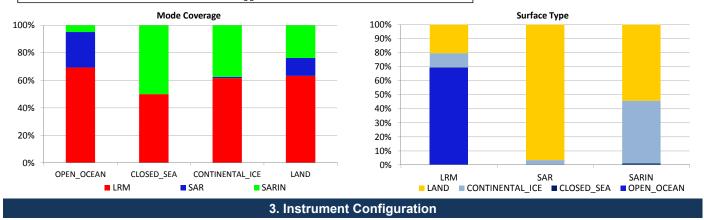


## **IDEAS+ Daily Report for OFFLINE data:**

		1. Overview		
eport Production Date:	17-Feb-2017	Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal Nominal	
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int Product Software Check	Nominal	
		Product Software Check	Nominal	
Data Used:	L1B and L2 OFFLINE Data	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	
sion / Instrument News				
-Jan-2017 None -Jan-2017 None				
9-Jan-2017 None 0-Jan-2017 Nothing planned	1			
rouning planned				
		2. Global Coverage		
		2. Global Coverage		
	Global Coverage - North Pole	Global Cover	rage - South Pole	



• • •	
LRM	20.2
SAR	12.7
SARIn	0.0



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

#### 4.1 L1B Product Format Check

	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	
4.2 L1B Product Header Analysi	S	
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:	3	
Product		Test Failed
CS_OFFL_SIR_SAR_1B_20170119T174635_2	20170119T174635_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_1B_20170119T174704_2	20170119T174705_C001.DBL	Percentage of processing errors detected greater than minimum acceptable threshold.
CS_OFFL_SIR_SAR_1B_20170119T174618_2	20170119T174619_C001.DBL	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 va	alid star tracker file has been used in p	rocessing.
Number of products with errors:	0	
4.4 L1B Calibration Usage Chec	:k	
Each product is checked in order to ensure that	the necessary calibration files have b	een used in processing.
Number of products with errors:	0	
4.5 L1B Auxilary Data File Usag	e Check	
Each product is checked for missing Data Set E	Descriptors with respect to a pre-deterr	nined baseline and also to check the validity of Auxiliary Data Files is correct.
Number of products with errors:	0	
4.6 L1B Auxiliary Correction Err	or Check	
CryoSat L1B data includes a correction error fla	g (field 54) for each measurement rec	ord. The bit value of this flag indicates any problems when set.
Number of products with errors:	0	
4.7 L1B Measurement Confiden	ce Data Check	
CryoSat L1B data includes a measurement con	fidence flag (field 18) for each measur	ement record. The bit value of this flag indicates any problems when set.
Currently, there are several common error fl below, followed by a table of any additional		which are expected due to operational mode or surface type. All common flags are summarised in the list
Block Degraded Flag: This flag is currently set	t for a number of individual records ger	nerally 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, indica	ting that the ADC correction application is deactivated, but this is in line with the current configuration.
Number of products with errors:	0	
	5. Lev	el 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).

#### 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.

0

0

Construction         Construction         Construction         Provide a service of the ser	Product	Test Failed	Description
Construction         Construction         Construction         Construction         Construction           Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction         Construction	CS_OFFL_SIR_LRM_220170118T235650_20170119T001212_C001		There is a height and backscatter error for Retracker 2 for one or more records
CE: 0.41-28.1.2.87171191002282.001       Maging Trip (The (The Dec 2)), its backard the operation of the second of t	CS_OFFL_SIR_LRM_220170119T001743_20170119T002841_C001		There is a height and backscatter error for Retracker 2 for one or more records
ca Gen Line Line 2 and the second an	CS_OFFL_SIR_LRM_220170119T004239_20170119T004839_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Big (Pare) (Big (Pare) (Big (Pare) (Big (Pare) (Big (Pare))))       Hear of Pare (Big (Pare)))       Hear of Pare (Big (Pare)))         Big (Pare) (Big (Pare)))       Hear of Pare (Big (Pare)))       Hear of Pare)       Pare a heart of a dockarding error for Pares and 2 for one or one and the parent of a solution of the parent of the parent of a solution of the parent of a solution of the parent of a solution of the parent of the parent of a solution of the parent of the parent of a solution of the parent of a	CS OFFL SIR LRM 2 20170119T005348 20170119T005916 C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
00_071_01_01_02_011101_02000_0111100000_0000     These is a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and backacity ears for Research 2 and a height and Research 2 and a h		Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
Big Control         Big Contro         Big Control			
So OFL SR LEAK 2_2017019170303 QUIVENTERSING COST PAGE SIGN (Repare Line) LEAK 2_2017019170303 QUIVENTERSING QUIVENTERSING 2 SG OFL SR LEAK 2_2017019170303 QUIVENTERSING QUIVENTERSIN		Error (Retracker 2)	records
C3, OTTSRL_RNZD017011970382_07011970382_07011970382_0001         Interest in program (see, p	CS_OFFL_SIR_LRM_220170119T022124_20170119T024951_C001	Error (Retracker 2)	records
<ul> <li>Contrue and Local Control Institution 2 and a height for Relation 2 and relation 2 and a height for R</li></ul>	CS_OFFL_SIR_LRM_220170119T031302_20170119T034108_C001	(Retracker 3), Backscatter Error (Retracker 2)	
CS, OFTL, SR, LEAR 2, 20170119704035, 2017019704120, C001         IPenadore 3, Dance 2, Hogh Carroll, Statuscan 2, Hogh Carroll, Hogh Carroll, Statuscan 2, Hogh Carroll, Statuscan 2, Hogh Carroll, Hogh Carroll, Hogh Carroll, Statuscan 2, Hogh Carroll,	CS_OFFL_SIR_LRM_220170119T034118_20170119T034654_C001	Error (Retracker 2)	
CS, OFFL, SR, LEW 2, 2017011976445, 20170119765112, 2001         Immunol 1, Backsatter Error Research 2, Control 1, Status 2, 2017011976442, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765422, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 2017011976552, 2017011976552, 2017011976552, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 20170119765522, 2017	CS_OFFL_SIR_LRM_220170119T040033_20170119T043703_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
<ul> <li>CS, OFFL, SRL, EM, 2, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105442, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105424, 20170119105542, 20170119105424, 20170119105542, 20170119105424, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 20170119105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 201701191105542, 2017011911054</li></ul>	CS_OFFL_SIR_LRM_220170119T045454_20170119T051121_C001	(Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
Control         Env (Restacker 2)           Control         Env (Restacker 2)           Control         Registry (Control	CS_OFFL_SIR_LRM_2_20170119T051123_20170119T052623_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
CS_OFFL_SR_LENU_2_0170119105880_20170119106454_0001         [Retrader 3]         Data Backscatter Error           CS_OFFL_SR_LENU_2_02170119105859_20170119105454_0001         [Retrader 3]         Data Backscatter Error           CS_OFFL_SR_LENU_2_021701191056454_001701191070510_0001         End Additional Error         These is a neght and backscatter error for Retrader 2 and a height for Retrader 2 an	CS_OFFL_SIR_LRM_220170119T054421_20170119T055649_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SR_LEN_2_201701197004327_201701197004748_001  CS_OFFL_SR_LEN_2_20170119700448_20170119700910_0001  CS_OFFL_SR_LEN_2_20170119700448_20170119700910_0001  CS_OFFL_SR_LEN_2_20170119700404_20170119700910_0001  CS_OFFL_SR_LEN_2_20170119700408_20170119702542_0001  CS_OFFL_SR_LEN_2_20170119707048_20170119702542_0001  CS_OFFL_SR_LEN_2_201701197070488_20170119704565_001  CS_OFFL_SR_LEN_2_201701197070488_20170119704565_001  CS_OFFL_SR_LEN_2_201701197085742_20170119704565_001  CS_OFFL_SR_LEN_2_201701197085742_20170119704565_001  CS_OFFL_SR_LEN_2_201701197085742_001  CS_OFFL_SR_LEN_2_2017011971085742_001  CS_OFFL_SR_LEN_2_201701197119704574 CS_OFFL_SR_LEN_2_201701197119704574 CS_OFFL_SR_LEN_2_201701197119704574 CS_OFFL_SR_LEN_2_201701197119704574 CS_OFFL_SR_LEN_2	CS_OFFL_SIR_LRM_220170119T055807_20170119T061454_C001	(Retracker 3), Backscatter Error	There is a height and backscatter error for Retracker 2 and a height erro for Retracker 3 for one or more records
cs_oFFL_SIR_LRM_2_20170119T07264_00170119T07264_C001       Interluctors 70 model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter 2 or one or model and backscatter error for Retracter	CS OFFL SIR LRM 2 201701197063637 201701197064746 C001	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 and a height error
Source (Restance 2)       Enror (Restance 2)       records         Source (Restance 2)       records <td></td> <td>(Retracker 2)</td> <td></td>		(Retracker 2)	
CS_OFFL_SR_LINA_2_00170119107256_001701191072542_0001       (Parkader 3)       Index & And Buskostate error for Retrader 2 and a heigh for retrader 2, and re	CS_OFFL_SIR_LRM_220170119T064948_20170119T070510_C001	Error (Retracker 2)	records
Scy.OFL_SH_LERG_2_017011910/XAB2_017011910/333_0001       Enror (Retracker 2), Height Enror (Retracker	CS_OFFL_SIR_LRM_220170119T072056_20170119T072542_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM 2_01701197073356_021701197074566_0201       (Refrancker 2)       Backacather Error         CS_OFFL_SIR_LRM 2_0170119705202_01701197053319_0201       Surface Model Unavailable       No DEM or Stope Model was used for the location of one or more or to recruit         CS_OFFL_SIR_LRM 2_0170119705202_01701197052041_0001       Surface Model Unavailable       No DEM or Stope Model was used for the location of one or more or to recruit         CS_OFFL_SIR_LRM 2_01701197103000_010197103426_0001       Surface Model Unavailable       No DEM or Stope Model was used for the location of one or more or to recruit         CS_OFFL_SIR_LRM 2_01701197103000_010197103426_0001       Surface Model Unavailable       No DEM or Stope Model was used for the location of one or more or to recruits         CS_OFFL_SIR_LRM 2_017011971103400_0101       Height Error (Refracker 2)       Backacather       There is a height and backacather error for Retracker 2 or one or more or to recruits         CS_OFFL_SIR_LRM 2_017011971120342_0001       Height Error (Retracker 2)       Backacather       There is a height and backacather error for Retracker 2 for one or more or to recruits         CS_OFFL_SIR_LRM 2_017011971120502_017011971120342_0001       Surface Model Unavailable       No DEM or Stope Model was used for the location of one or more nor recruits         CS_OFFL_SIR_LRM 2_0170119711972052_010119711972052_0001       Surface Model Unavailable       No DEM or Stope Model was used for the location or one or more recruits         CS_OFFL_SIR_LRM 2_01701197119712050_010197119710505_0001	CS_OFFL_SIR_LRM_220170119T072629_20170119T073153_C001	Error (Retracker 2)	
CB_OFFL_SIR_LEM_2_20170119T085742_20170119T109244_C001 Error (Retracker 2), Backscatter Error (Retr	CS_OFFL_SIR_LRM_220170119T073836_20170119T074956_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_LEM201701191095042_001         Enror (Retracker 2)         There is a height and backscatter error for Petracker 2 and a height for (Retracker 2)           CS_OFFL_SIR_LEM201701197109500_201701197103420_0001         Surface Model Unavailable         No DEM or Stope Model was used for the location of one or more in cords           CS_OFFL_SIR_LEM2_201701197109500_201701197104569_0001         Height Error (Retracker 2)         No DEM or Stope Model was used for the location of one or more in cords           CS_OFFL_SIR_LEM2_2017011971109450_0001         Height Error (Retracker 2)         No DEM or Stope Model was used for the location of one or more in cords           CS_OFFL_SIR_LEM2_2017011971120362_20170119712031_20001         Height Error (Retracker 2)         No DEM or Stope Model was used for the location of one or more in cords           CS_OFFL_SIR_LEM2_2017011971120362_2017011971120362_20001         Surface Model Unavailable         No DEM or Stope Model was used for the location of one or more in cords           CS_OFFL_SIR_LEM2_2017011971120362_201701197112328_20001         Surface Model Unavailable         No DEM or Stope Model was used for the location of one or more in cords           CS_OFFL_SIR_LEM2_2017011971130050_201701197112328_20001         Height Error (Retracker 2)         No DEM or Stope Model was used for the location of one or more in cords           CS_OFFL_SIR_LEM2_2017011971130050_20170119713282_0001         Height Error (Retracker 2)         No DEM or Stope Model was used for the location of one or more in cords           CS_OFFL_SIR_LEM2	CS_OFFL_SIR_LRM_220170119T085202_20170119T085319_C001		No DEM or Slope Model was used for the location of one or more record
CS_OFFL_SIR_LRM_2_20170119T1095810_20170119T1102401_C001       (Retracker 2)       No DEM or Slope Model was used for the location of one or more or test of the state and that backstatier error for Retracker 2)         CS_OFFL_SIR_LRM_2_20170119T103650_20170119T103426_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more or test of the state and that backstatier error for Retracker 2)         CS_OFFL_SIR_LRM_2_20170119T10340_20170119T110424_C001       Height Error (Retracker 2)       No DEM or Slope Model was used for the location of one or more or test of the state and that backstatier error for Retracker 2 for one or meteods         CS_OFFL_SIR_LRM_2_20170119T120502_20170119T120502_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more or CS_OFFL_SIR_LRM_2_20170119T120502_20170119T12052_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more or Test of Retracker 2)         CS_OFFL_SIR_LRM_2_20170119T120502_20170119T12283_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more or Test of Retracker 2)         CS_OFFL_SIR_LRM_2_20170119T12313_20170119T122812_C001       Height Error (Retracker 2)       No DEM or Slope Model was used for the location of one or more networks         CS_OFFL_SIR_LRM_2_20170119T131340_C001       (Retracker 2)       No DEM or Slope Model was used for the location of one or more networks         CS_OFFL_SIR_LRM_2_20170119T131340_C001       (Retracker 2)       No DEM or Slope Model was used for the location of one or mo	CS_OFFL_SIR_LRM_220170119T085743_20170119T092441_C001		
CS_OFFL_SIR_LRM_2_20170119T104850_20170119T104850_20170119T104850_20170119T104850_20170119T104850_20170119T104850_20170119T104850_20170119T104850_20170119T104850_20170119T102034_C001       Height Error (Retracker 2) Backscatter Error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T120502_20170119T1102054_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T120505_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20170119T130405_20	CS_OFFL_SIR_LRM_2_20170119T095810_20170119T102401_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
Source       Error (Retracker 2)       ecords         CS_OFFL_SIR_LRM_2_20170119T105430_20170119T110424_C001       Height Error (Retracker 2)       ecords         CS_OFFL_SIR_LRM_2_20170119T12092_00170119T120342_C001       Height Error (Retracker 2)       No DEM or Slope Model was used for the location of one or more necords         CS_OFFL_SIR_LRM_2_20170119T120952_20170119T120352_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more necords         CS_OFFL_SIR_LRM_2_20170119T120352_20170119T121328_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more necords         CS_OFFL_SIR_LRM_2_20170119T12133_20170119T122138_C001       Height Error (Retracker 2)       No DEM or Slope Model was used for the location of one or more necords         CS_OFFL_SIR_LRM_2_20170119T12133_20170119T122189_C001       Height Error (Retracker 2)       No DEM or Slope Model was used for the location of one or more necords         CS_OFFL_SIR_LRM_2_20170119T1313_20170119T122189_C001       Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or merecords         CS_OFFL_SIR_LRM_2_20170119T131329_20170119T131431_C001       Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or merecords         CS_OFFL_SIR_LRM_2_20170119T131432_C001       Height Error (Retracker 2). Backscatter       There is a height and backscatter error for Retracker 2 for one or merecords         CS_OFFL_SIR_LRM_2_20	CS_OFFL_SIR_LRM_220170119T103100_20170119T103426_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more record
CS_OFFL_SIR_LRM_2_20170119110340_2017011911024_0001         Error (Retracker 2)         records           CS_OFFL_SIR_LRM_2_201701191120502_201701191120502_C001         Surface Model Unavailable         No DEM or Slope Model was used for the location of one or more r           CS_OFFL_SIR_LRM_2_201701191120502_201701191121238_C001         Surface Model Unavailable         No DEM or Slope Model was used for the location of one or more r           CS_OFFL_SIR_LRM_2_201701191121231_20170119112281_20001         Error (Retracker 2), Backscatter         There is a height and backscatter error for Retracker 2 for one or m           CS_OFFL_SIR_LRM_2_201701191121231_20170119112281_20001         Height Error (Retracker 2), Backscatter         There is a height and backscatter error for Retracker 2 for one or m           CS_OFFL_SIR_LRM_2_201701191130420_201701191130450_C0011         (Retracker 2), Backscatter         There is a height and backscatter error for Retracker 2 or one or m           CS_OFFL_SIR_LRM_2_201701191131431_C001         Height Error (Retracker 2), Backscatter         There is a height and backscatter error for Retracker 2 for one or m           CS_OFFL_SIR_LRM_2_201701191131431_C001         Height Error (Retracker 2), Backscatter         There is a height and backscatter error for Retracker 2 for one or m           CS_OFFL_SIR_LRM_2_201701191134056_C001         Height Error (Retracker 2), Backscatter         There is a height and backscatter error for Retracker 2 for one or m           CS_OFFL_SIR_LRM_2_201701191134056_0170119114282_C001         Height Error (Retracker 2), Backsca	CS_OFFL_SIR_LRM_220170119T103650_20170119T104858_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170119T12094_20170119T120952_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 for one or me ecords         CS_OFFL_SIR_LRM_2_20170119T120952_20170119T120952_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more or me ecords         CS_OFFL_SIR_LRM_2_20170119T120952_20170119T1229813_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 or one or me ecords         CS_OFFL_SIR_LRM_2_20170119T123113_20170119T125129_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 or one or me ecords         CS_OFFL_SIR_LRM_2_20170119T130420_20170119T135129_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 or one or me records         CS_OFFL_SIR_LRM_2_20170119T130420_20170119T130420_20170119T131431_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 or one or me records         CS_OFFL_SIR_LRM_2_20170119T131613_20170119T132443_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 or one or me records         CS_OFFL_SIR_LRM_2_20170119T134040_20170119T144286_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 or one or me records         CS_OFFL_SIR_LRM_2_20170119T135614_20170119T143014_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 and a height for Retracker 2), Backscatter error for Retracker 2 and a height for (Retracker 2), Backscatter error for Retracker 2 and a height for Retracker 2), Backscatter error for Retracker 2 and a height for Retracker 2), Backscatter error for Retracker 2 and a height for Retracker 2), Backscatter error for Retracker 2, DI Backscatt	CS_OFFL_SIR_LRM_220170119T105430_20170119T110424_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170119T120562_20170119T120552_2001         Surface Model Unavailable         No DEM or Stope Model was used for the location of one or more or CS_OFFL_SIR_LRM_2_20170119T120558_20170119T12328_20001           CS_OFFL_SIR_LRM_2_20170119T120558_20170119T122813_C001         Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter error for Retracker 2 or one or more cods           CS_OFFL_SIR_LRM_2_20170119T123113_20170119T125129_C001         Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter error for Retracker 2 and a height for Retracker 3)           CS_OFFL_SIR_LRM_2_20170119T131642_0170119T134243_C001         Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error (Retracker 3)           CS_OFFL_SIR_LRM_2_20170119T134040_20170119T134243_C001         Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or m records           CS_OFFL_SIR_LRM_2_20170119T134214_20170119T144243_C001         Height Error (Retracker 2), Height Error (Retracker 2), Backscatter error (Retracker 3), Backscatter error for Retracker 2 for one or m records           CS_OFFL_SIR_LRM_2_20170119T142113_20170119T143014_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 or Retracker 2)           CS_OFFL_SIR_LRM_2_20170119T15241_20170119T142014_C001         Height Error (Retracker 2), Backscatter error (Retracker 2), Backscatter error (Retracker 2), Backscatter error (	CS_OFFL_SIR_LRM_220170119T112709_20170119T120314_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_20170119T120568_20170119T121328_C001 CS_OFFL_SIR_LRM_2_20170119T121733_20170119T122813_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retr	CS OFFL SIR LRM 2 20170119T120502 20170119T120952 C001	. ,	No DEM or Slope Model was used for the location of one or more record
CS_OFFL_SIR_LRM_2_20170119T12733_20170119T122813_C001 Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker			
CS_OFFL_SIR_LRM_2_20170119T132113_20170119T125129_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), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Ba			There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_201701191122113_201701191122139_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_201701191130420_201701191130605_C001       Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), CS_OFFL_SIR_LRM_2_20170119T14213_20170119T143014_C001       There is a height and backscatter error for Retracker 2 and a height or Retracker 2, Height Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retracker 2), Backscatter E			records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20170119T130420_20170119T130605_C001       (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error       There is a height and backscatter error for Retracker 2 or one or more records         CS_OFFL_SIR_LRM_2_20170119T131329_20170119T131431_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T13163_20170119T132443_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T13405_20170119T142266_C001       Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T135614_20170119T141828_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T142113_20170119T143014_C001       (Retracker 3), Backscatter Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 and a height for Retracker 2).         CS_OFFL_SIR_LRM_2_20170119T145249_20170119T152214_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T15232_20170119T152919_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20170119T163345_20170119T166666_C001       Height Error (Retracker 2), B	CS_OFFL_SIR_LRM_2201701191123113_201701191125129_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20170119113132_20170119113143_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_201701191131613_201701191132443_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119113604_201701191142056_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_201701191142113_201701191142182_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_201701191142113_201701191143014_C001       (Retracker 2), Backscatter Error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119115241_201701191152919_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or m records         CS_OFFL_SIR_LRM_2_20170119115323_201701191160810_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 or one or m records         CS_OFFL_SIR_LRM_2_2017011911713045_20170119117316_C001       Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2	CS_OFFL_SIR_LRM_220170119T130420_20170119T130605_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
Cs_OFFL_SIR_LRM_2_201701191131615_201701191132443_0001Error (Retracker 2)recordsCS_OFFL_SIR_LRM_2_20170119T134005_20170119T134256_C001Height Error (Retracker 2)There is a height and backscatter error for Retracker 2 for one or m recordsCS_OFFL_SIR_LRM_2_20170119T135614_20170119T141828_C001Height Error (Retracker 2)There is a height and backscatter error for Retracker 2 for one or m recordsCS_OFFL_SIR_LRM_2_20170119T142113_20170119T142014_C001Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (R	CS_OFFL_SIR_LRM_220170119T131329_20170119T131431_C001		
CS_OFFL_SIR_LRM_2_201701191134005_201701191134255_C001Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker	CS_OFFL_SIR_LRM_220170119T131613_20170119T132443_C001		There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_2_20170119T135614_20170119T141828_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error	CS_OFFL_SIR_LRM_220170119T134005_20170119T134256_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
End (Retacker 2)Indicate (Retracker 2)CS_OFFL_SIR_LRM_2_20170119T142113_20170119T143014_C001Height Error (Retracker 2), Backscatter Error (Retracker 2)There is a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more recordsCS_OFFL_SIR_LRM_2_20170119T152421_20170119T152214_C001Height Error (Retracker 2)There is a height and backscatter error for Retracker 2 for one or more recordsCS_OFFL_SIR_LRM_2_20170119T152421_20170119T152919_C001Surface Model UnavailableNo DEM or Slope Model was used for the location of one or more or recordsCS_OFFL_SIR_LRM_2_20170119T153523_20170119T160810_C001Error (Retracker 2), Height Error (Retracker 2), Heigh	CS_OFFL_SIR_LRM_220170119T135614_20170119T141828_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_20170119T145349_20170119T152214_C001There is a height and backscatter error for Retracker 2 for one or more recordsCS_OFFL_SIR_LRM_2_20170119T152421_20170119T152919_C001Surface Model UnavailableNo DEM or Slope Model was used for the location of one or more recordsCS_OFFL_SIR_LRM_2_20170119T153523_20170119T160810_C001Height Error (Retracker 2), BackscatterThere is a height and backscatter error for Retracker 2 for one or more recordsCS_OFFL_SIR_LRM_2_20170119T163345_20170119T160810_C001Height Error (Retracker 2), BackscatterThere is a height and backscatter error for Retracker 2 for one or more recordsCS_OFFL_SIR_LRM_2_20170119T163345_20170119T165656_C001Height Error (Retracker 2), BackscatterThere is a height and backscatter error for Retracker 2 for one or more recordsCS_OFFL_SIR_LRM_2_20170119T17505_20170119T173116_C001(Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), BackscatterThere is a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more recordsCS_OFFL_SIR_LRM_2_20170119T173135_20170119T173247_C001Height Error (Retracker 2), BackscatterThere is a height and backscatter error for Retracker 2 for one or more recordsCS_OFFL_SIR_LRM_2_20170119T173729_20170119T173247_C001Height Error (Retracker 2), BackscatterThere is a height and backscatter error for Retracker 2 and a height for Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), BackscatterCS_OFFL_SIR_LRM_2_20170119T173729_20170119T173247_C001Height Error (Retracker 2), Height Error (Retracker 2), Height Error for Retracker 2), Height Error for Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error for Retracker 2) in one or more records </td <td>CS_OFFL_SIR_LRM_220170119T142113_20170119T143014_C001</td> <td>Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error</td> <td>There is a height and backscatter error for Retracker 2 and a height error</td>	CS_OFFL_SIR_LRM_220170119T142113_20170119T143014_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_20170119T152421_20170119T152919_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20170119T153523_20170119T160810_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or mercords         CS_OFFL_SIR_LRM_2_20170119T163345_20170119T165656_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or mercords         CS_OFFL_SIR_LRM_2_20170119T17505_20170119T173116_C001       (Retracker 2), Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 and a height for Retracker 3), Backscatter Error (Retracker 2)         CS_OFFL_SIR_LRM_2_20170119T17315_20170119T173247_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_20170119T17315_20170119T173247_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_20170119T173729_20170119T173247_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 and a height for Retracker 3), Backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20170119T173729_20170119T173408_C001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter error for Retracker 2 and a h	CS_OFFL_SIR_LRM_220170119T145349_20170119T152214_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_20170119T153523_20170119T160810_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T163345_20170119T165656_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T17505_20170119T173116_C001       (Retracker 2), Height Error (Retracker 2), Backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20170119T173135_20170119T173247_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T173729_20170119T173247_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T173729_20170119T173247_C001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter error for Retracker 2 for one or m records         CS_OFFL_SIR_LRM_2_20170119T173729_20170119T173608_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 and a height for Retracker 3 for one or more records		, ,	records No DEM or Slope Model was used for the location of one or more record
CS_OFFL_SIR_LRM_2_20170119T163345_20170119T165656_C001       End (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20170119T171505_20170119T173116_C001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20170119T173135_20170119T173247_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20170119T173125_20170119T173247_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20170119T173729_20170119T173608_C001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3), Backscatter Error for Retracker 3 for one or more records		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_201701191183343_201701191183655_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_201701191171505_201701191173116_C001       Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker 3), Backs			records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_2_20170119T171505_20170119T173116_C001       (Retracker 3), Backscatter Error (Retracker 2)       Intere is a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20170119T173135_20170119T173247_C001       (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error       There is a height and backscatter error for Retracker 2 and a height for Retracker 3 for one or more records         CS_OFFL_SIR_LRM_2_20170119T173729_20170119T174608_C001       (Retracker 3), Backscatter Error (Retracker 3), Backscatter Error       There is a height and backscatter error for Retracker 2 and a height records	00_011L_0IT_LTNI_2_201/011911000940_201/01191100000_0001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_2017011917/3735_2017011917/3247_C001 Error (Retracker 2) records CS_OFFL_SIR_LRM_2_201701191773729_201701191774608_C001 (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Ret		(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20170119T173729_20170119T174608_C001 (Retracker 3), Backscatter Error	CS_OFFL_SIR_LRM_220170119T173135_20170119T173247_C001	Error (Retracker 2)	records
	CS_OFFL_SIR_LRM_220170119T173729_20170119T174608_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_220170119T182342_20170119T183824_C001
CS_OFFL_SIR_LRM_220170119T185420_20170119T190936_C001
CS_OFFL_SIR_LRM_220170119T191148_20170119T192112_C001
CS_OFFL_SIR_LRM_220170119T194921_20170119T195641_C001
CS_OFFL_SIR_LRM_220170119T195647_20170119T200041_C001
CS_OFFL_SIR_LRM_220170119T200540_20170119T202019_C001
CS_OFFL_SIR_LRM_220170119T202317_20170119T203139_C001
CS_OFFL_SIR_LRM_220170119T203356_20170119T205109_C001
CS_OFFL_SIR_LRM_220170119T205151_20170119T205821_C001
CS_OFFL_SIR_LRM_220170119T212240_20170119T212301_C001
CS_OFFL_SIR_LRM_220170119T213246_20170119T213606_C001
CS_OFFL_SIR_LRM_220170119T213611_20170119T215948_C001
CS_OFFL_SIR_LRM_220170119T220500_20170119T220958_C001
CS_OFFL_SIR_LRM_220170119T221246_20170119T223835_C001
CS_OFFL_SIR_LRM_220170119T231129_20170119T232123_C001
CS_OFFL_SIR_LRM_2_201701191237129_201701191232125_C001 CS_OFFL_SIR_LRM_2_201701191232700_201701191233733_C001
CS_OFFL_SIR_LRM_220170119T235154_20170120T001445_C001
CS_OFFL_SIR_SIN_2_20170119T003121_20170119T003510_C001 CS_OFFL_SIR_SIN_2_20170119T004057_20170119T004214_C001
CS_OFFL_SIR_SIN_2_20170119T012151_20170119T012238_C001
CS_OFFL_SIR_SIN_220170119T021059_20170119T021415_C001
CS_OFFL_SIR_SIN_220170119T021928_20170119T022047_C001
CS_OFFL_SIR_SIN_2_20170119T034815_20170119T035228_C001
CS_OFFL_SIR_SIN_2_20170119T035834_20170119T035945_C001
CS_OFFL_SIR_SIN_2_20170119T043743_20170119T044010_C001
CS_OFFL_SIR_SIN_220170119T044049_20170119T044210_C001
CS_OFFL_SIR_SIN_2_20170119T052623_20170119T052750_C001
CS_OFFL_SIR_SIN_220170119T053548_20170119T053733_C001
CS_OFFL_SIR_SIN_220170119T061454_20170119T061917_C001
CS_OFFL_SIR_SIN_220170119T062005_20170119T062120_C001
CS_OFFL_SIR_SIN_220170119T070533_20170119T070716_C001
CS_OFFL_SIR_SIN_220170119T071853_20170119T072025_C001
CS_OFFL_SIR_SIN_220170119T075547_20170119T080015_C001
CS_OFFL_SIR_SIN_220170119T084457_20170119T084650_C001
CS_OFFL_SIR_SIN_220170119T085319_20170119T085647_C001
CS_OFFL_SIR_SIN_220170119T094342_20170119T094421_C001
CS_OFFL_SIR_SIN_220170119T102424_20170119T102650_C001
CS_OFFL_SIR_SIN_220170119T103038_20170119T103044_C001
CS_OFFL_SIR_SIN_220170119T103426_20170119T103606_C001
CS_OFFL_SIR_SIN_220170119T120338_20170119T120502_C001
CS_OFFL_SIR_SIN_220170119T121329_20170119T121505_C001
CS_OFFL_SIR_SIN_220170119T134332_20170119T134456_C001
CS_OFFL_SIR_SIN_220170119T135021_20170119T135334_C001
CS_OFFL_SIR_SIN_220170119T144141_20170119T144243_C001
CS_OFFL_SIR_SIN_220170119T152306_20170119T152421_C001
CS_OFFL_SIR_SIN_220170119T152919_20170119T153241_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
Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	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
(Retracker 2) Height Error (Retracker 2), Backscatter	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more
Error (Retracker 2) Height Error (Retracker 2), Height Error	records 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	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more
Error (Retracker 2)	records
Surface Model Unavailable Height Error (Retracker 2), Backscatter	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
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), Backscatter	for Retracker 3 for one or more 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
Error (Retracker 2) Height Error (Retracker 2), Height Error	records There is a height and backscatter error for Retracker 2 and a height error
(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
Surface Model Unavailable Height Error (Retracker 2), Height Error	No DEM or Slope Model was used for the location of one or more records
(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
Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter	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
Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Error (Retracker 2) 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 records
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
SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
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
SARIn X-track Angle Error	An ambiguous angle was detected to SARIN mode for one or more 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 records
SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
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
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
SARIn X-track Angle Error SARIn X-track Angle Error, Surface	An ambiguous angle was detected to SARIn mode for one of more 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 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 records
SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
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
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
	an ameriquous angle was deleted for SARTIT HOUE IDI OHE OF HOTE

CS_OFFL_SIR_SIN_220170119T162453_20170119T162526_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_220170119T170355_20170119T170631_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T170824_20170119T171451_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T175910_20170119T180030_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T180323_20170119T180426_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T184102_20170119T184524_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T184736_20170119T184820_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T185238_20170119T185413_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T193827_20170119T193931_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T194009_20170119T194055_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T202123_20170119T202317_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T203139_20170119T203327_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T211740_20170119T212240_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_220170119T220056_20170119T220215_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T220414_20170119T220500_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T220958_20170119T221226_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T225040_20170119T225115_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_220170119T234020_20170119T234141_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T234218_20170119T234422_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220170119T235022_20170119T235152_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records

# 6. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_LRM_1B	154	154	154	0	0
SIR_LRM_2	152	152	152	0	0
SIR_LRMI2_	152	152	152	0	0
SIR_SAR_1B	131	131	131	0	0
SIR_SAR_2	128	128	128	0	0
SIR_SARI2_	128	128	128	0	0
SIR_SIN_1B	95	95	95	0	0
SIR_SIN_2	95	95	95	0	0
SIR_SINI2	95	95	95	0	0
SIR_GDR_2	14	14	14	0	0

## 6.1 QCC Errors

Number of products with QCC errors:

0

0

## 6.2 QCC Warnings

Number of QCC reports with warnings

## 6.2 Missing QCC Reports

Number of products with missing QCC reports: 106