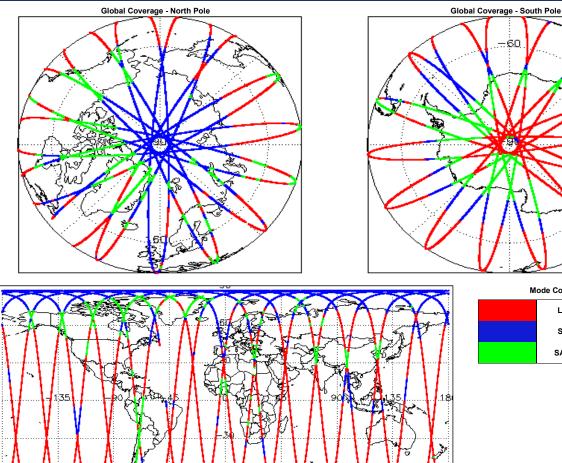


IDEAS+ Daily Report for OFFLINE data:

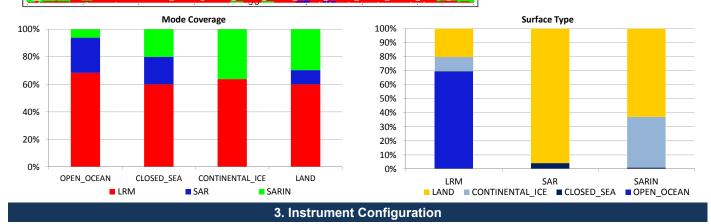
07/01/2018

1. Overview								
Report Production D	ate: 06	6-Feb-2018	Check Server check: science-pds.cryosat.esa.int	Status Nominal				
			Server check: calval-pds.cryosat.esa.int	Nominal				
Processor Used:	CryoSa	at Ice Processor						
			Product Software Check	Nominal				
Data Used:	L1B and	L2 OFFLINE Data	Product Format Check	Nominal				
Data Oscu.			Product Header Analysis	See Section 4.2 and 5.2				
			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				
			L					
Mission / Instrument New	s							
06-Jan-2018 None								
07-Jan-2018 None								
08-Jan-2018 Nothing planned								
			2. Global Coverage					



Mode Coverage (%)

LRM	19.5
SAR	14.6
SARIn	0.0



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

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	r to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 1	
Product	Test Failed
CS_OFFL_SIR_SAR_1B_20180107T132025_20180107T132026_C001	Percentage of processing errors detected greater than minimum acceptable threshold.
4.3 Star Tracker Usage Check	
Each product is checked in order to ensure a valid star tracker file has been used in process	ing.
Number of products with errors: 0	

4.4 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing Number of products with errors:

4.5 L1B Auxilary Data File Usage Check

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

Number of products with errors:

4.6 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag (field 54) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

4.7 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag (field 18) for each measurement record. The bit value of this flag indicates any problems when set

Currently, there are several common error flags raised in the Level 1B products which are expected due to operational mode or surface type. All common flags are summarised in the list below, followed by a table of any additional issues arising from this test.

Block Degraded Flag: This flag is currently set for a number of individual records generally at the start or end of products (all modes), but this is to be expected

Phase Perturbation Flag: This flag is currently set for all L1B SARIn products, indicating that the ADC correction application is deactivated, but this is in line with the current configuration.

Number of products with errors:

5. Level 2 Data Quality Check

5.1 L2 Product Format Check

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

Number of products with errors:

5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 1

Product	Test Failed
CS_OFFL_SIR_SAR_220180107T132025_20180107T132026_C001	Percentage of processing errors detected greater than minimum acceptable threshold.

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. 0

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

	l= . =	
Product	Test Failed Height Error (Retracker 2), Height Error	Description
CS_OFFL_SIR_LRM_220180107T000804_20180107T002605_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_220180107T002719_20180107T004106_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T004915_20180107T005114_C001	Surface Model Unavailable Height Error (Retracker 2), Height Error	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180107T005800_20180107T011334_C001	(Retracker 2), Height Error (Retracker 2) Height 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_220180107T011535_20180107T012457_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_220180107T015026_20180107T015055_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T015251_20180107T020418_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T022723_20180107T023518_C001	Surface Model Unavailable Height Error (Retracker 2), Height Error	No DEM or Slope Model was used for the location of one or more records
CS_0FFL_SIR_LRM_220180107T023741_20180107T025239_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_220180107T033004_20180107T034437_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T034440_20180107T040319_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_220180107T040552_20180107T040803_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180107T040825_20180107T041406_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180107T041644_20180107T044204_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T051418_20180107T051555_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180107T051558_20180107T052459_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T053036_20180107T054121_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_0FFL_SIR_LRM_220180107T055543_20180107T062447_C001	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
CS_OFFL_SIR_LRM_220180107T064750_20180107T072039_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180107T073430_20180107T074031_C001 CS_OFFL_SIR_LRM_220180107T082642_20180107T090040_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180107T091327_20180107T093310_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T100437_20180107T103835_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180107T104322_20180107T104614_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180107T104631_20180107T105030_C001	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
CS_OFFL_SIR_LRM_220180107T105223_20180107T105253_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180107T105419_20180107T112128_C001 CS_OFFL_SIR_LRM_220180107T114531_20180107T115548_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180107T120030_20180107T120157_C001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220180107T120200_20180107T121810_C001	Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180107T123606_20180107T124848_C001	(Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T130220_20180107T130331_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_220180107T133021_20180107T133953_C001	(Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180107T134229_20180107T135703_C001	(Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T141255_20180107T141352_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T142304_20180107T142433_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180107T143016_20180107T143439_C001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220180107T143602_20180107T144309_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T151557_20180107T151701_C001	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
CS_OFFL_SIR_LRM_220180107T151913_20180107T153619_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_220180107T154956_20180107T161507_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220180107T165013_20180107T171551_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_220180107T172300_20180107T172625_C001	Surface Model Unavailable Height Error (Retracker 2), Height Error	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220180107T172920_20180107T174053_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_220180107T174629_20180107T180144_C001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

CS_OFFL_SIR_LRM_2_20180107T182725_20180107T18530_0001 S CS_OFFL_SIR_LRM_2_20180107T180017_20180107T195304_0001 S CS_OFFL_SIR_LRM_2_20180107T180017_20180107T195804_0001 S CS_OFFL_SIR_LRM_2_20180107T1202433_20180107T204219_0001 S CS_OFFL_SIR_LRM_2_20180107T204759_20180107T204219_0001 S CS_OFFL_SIR_LRM_2_20180107T21404759_20180107T214246_0001 S CS_OFFL_SIR_LRM_2_20180107T21404759_20180107T21480_0001 S CS_OFFL_SIR_LRM_2_20180107T21404_20180107T21484_0001 S CS_OFFL_SIR_LRM_2_20180107T221408_20180107T221481_0001 S CS_OFFL_SIR_LRM_2_20180107T221408_20180107T22486_0001 S CS_OFFL_SIR_LRM_2_20180107T223502_0180107T204904_0001 S CS_OFFL_SIR_LRM_2_20180107T023250_0180107T234856_0001 S CS_OFFL_SIR_SIN_2_20180107T004539_20180107T004914_0001 S CS_OFFL_SIR_SIN_2_20180107T004539_0180107T03956_001 S CS_OFFL_SIR_SIN_2_20180107T04450_0180107T04956_001 S CS_OFFL_SIR_SIN_2_20180107T044150_0180107T049562_001 S CS_OFFL_SIR_SIN_2_20180107T04450_01702471_014801_001 S CS_OFFL_SIR_SIN_2_20180107T044630_017014410_01102552_001 S CS_OFFL_SIR_SIN_2_20180107T044603_0180107T044824_001 </th <th></th> <th></th>		
CS_OFFL_SIR_LRM_2_20180107T199017_20180107T194300_C001 CS_OFFL_SIR_LRM_2_20180107T1202433_20180107T202541_C001 CS_OFFL_SIR_LRM_2_20180107T203701_20180107T202541_C001 CS_OFFL_SIR_LRM_2_20180107T203701_20180107T2102541_C001 CS_OFFL_SIR_LRM_2_20180107T204759_20180107T211028_C001 CS_OFFL_SIR_LRM_2_20180107T2140459_20180107T212246_C001 CS_OFFL_SIR_LRM_2_20180107T21404759_20180107T21503_C001 CS_OFFL_SIR_LRM_2_20180107T215437_20180107T215431_C001 CS_OFFL_SIR_LRM_2_20180107T21523220180107T221431_C001 CS_OFFL_SIR_LRM_2_20180107T221322_00180107T221431_C001 CS_OFFL_SIR_LRM_2_20180107T22132200_20180107T2244656_C001 CS_OFFL_SIR_LRM_2_20180107T023250_20180107T0244556_C001 CS_OFFL_SIR_LRM_2_20180107T000255_20180107T007044_C001 CS_OFFL_SIR_SIN_2_20180107T004639_20180107T007044_C001 CS_OFFL_SIR_SIN_2_20180107T04459_20180107T007044_C001 CS_OFFL_SIR_SIN_2_20180107T04459_20180107T04556_C001 CS_OFFL_SIR_SIN_2_20180107T04459_20180107T04560_C001 CS_OFFL_SIR_SIN_2_20180107T04450_20180107T04560_C001 CS_OFFL_SIR_SIN_2_20180107T04403_20180107T044610_C001 CS_OFFL_SIR_SIN_2_20180107T04463_20180107T044610_C001 CS_OFFL_SIR_SIN_2_20180107T04463_20180107T04663_C001 CS_OFFL_SIR_SIN_2_20180107T04550_C001 CS_OFFL_SIR_SIN_2_20180107T04663_20180107T04663_C001 CS_OFFL_SIR_SIN_2_20180107T045650_C001 CS_OFFL_SIR_SIN_2_20180107T04663_20180107T046636_C001 CS_OFFL_SIR_SIN_2_20180107T045520_C	CS_OFFL_SIR_LRM_220180107T182725_20180107T185530_C001	F (
CS_OFFL_SIR_LRM_2_20180107T195720_20180107T195804_0001 CS_OFFL_SIR_LRM_2_20180107T202433_20180107T204218_0001 CS_OFFL_SIR_LRM_2_20180107T204759_20180107T214248_0001 CS_OFFL_SIR_LRM_2_20180107T2140459_20180107T214246_0001 CS_OFFL_SIR_LRM_2_20180107T2140459_20180107T214246_0001 CS_OFFL_SIR_LRM_2_20180107T21404_20180107T21480_0001 CS_OFFL_SIR_LRM_2_20180107T21523_20180107T21446_0001 CS_OFFL_SIR_LRM_2_20180107T221352_0180107T221448_0001 CS_OFFL_SIR_LRM_2_20180107T221322_0180107T221446_0001 CS_OFFL_SIR_LRM_2_20180107T221322_0180107T221446_0001 CS_OFFL_SIR_LRM_2_20180107T223222_0180107T221446_0001 CS_OFFL_SIR_LRM_2_20180107T203250_0180107T2044656_0001 CS_OFFL_SIR_LRM_2_20180107T000255_0180107T00024_0001 CS_OFFL_SIR_SIN_2_20180107T0005617_20180107T000546_0001 CS_OFFL_SIR_SIN_2_20180107T004639_0180107T003756_0001 CS_OFFL_SIR_SIN_2_20180107T04420_20180107T024723_0001 CS_OFFL_SIR_SIN_2_20180107T04422_0180107T04560_0001 CS_OFFL_SIR_SIN_2_20180107T044630_0180107T04682_0001 CS_OFFL_SIR_SIN_2_20180107T044630_0180107T04682_0001 CS_OFFL_SIR_SIN_2_20180107T044403_0180107T04682_001 CS_OFFL_SIR_SIN_2_20180107T044630_01001 CS_OFFL_SIR_SIN_2_20180107T044630_01001 CS_OFFL_SIR_SIN_2_20180107T044630_01001	CS_0FFL_SIR_LRM_2_20180107T185722_20180107T190531_C001	(
CS_OFFL_SIR_LRM_2_20180107T195720_20180107T195804_0001 CS_OFFL_SIR_LRM_2_20180107T202433_20180107T204218_0001 CS_OFFL_SIR_LRM_2_20180107T204759_20180107T214248_0001 CS_OFFL_SIR_LRM_2_20180107T2140459_20180107T214246_0001 CS_OFFL_SIR_LRM_2_20180107T2140459_20180107T214246_0001 CS_OFFL_SIR_LRM_2_20180107T21404_20180107T21480_0001 CS_OFFL_SIR_LRM_2_20180107T21523_20180107T21446_0001 CS_OFFL_SIR_LRM_2_20180107T221352_0180107T221448_0001 CS_OFFL_SIR_LRM_2_20180107T221322_0180107T221446_0001 CS_OFFL_SIR_LRM_2_20180107T221322_0180107T221446_0001 CS_OFFL_SIR_LRM_2_20180107T223222_0180107T221446_0001 CS_OFFL_SIR_LRM_2_20180107T203250_0180107T2044656_0001 CS_OFFL_SIR_LRM_2_20180107T000255_0180107T00024_0001 CS_OFFL_SIR_SIN_2_20180107T0005617_20180107T000546_0001 CS_OFFL_SIR_SIN_2_20180107T004639_0180107T003756_0001 CS_OFFL_SIR_SIN_2_20180107T04420_20180107T024723_0001 CS_OFFL_SIR_SIN_2_20180107T04422_0180107T04560_0001 CS_OFFL_SIR_SIN_2_20180107T044630_0180107T04682_0001 CS_OFFL_SIR_SIN_2_20180107T044630_0180107T04682_0001 CS_OFFL_SIR_SIN_2_20180107T044403_0180107T04682_001 CS_OFFL_SIR_SIN_2_20180107T044630_01001 CS_OFFL_SIR_SIN_2_20180107T044630_01001 CS_OFFL_SIR_SIN_2_20180107T044630_01001		ŀ
CS_OFFL_SIR_LRM_2_20180107T202433_20180107T202541_C001 CS_OFFL_SIR_LRM_2_20180107T204759_20180107T204219_C001 CS_OFFL_SIR_LRM_2_20180107T204759_20180107T211029_C001 CS_OFFL_SIR_LRM_2_20180107T2141315_20180107T21503_C001 CS_OFFL_SIR_LRM_2_20180107T21437_20180107T21503_C001 CS_OFFL_SIR_LRM_2_20180107T21532_C0180107T21521246_C001 CS_OFFL_SIR_LRM_2_20180107T221352_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T221302_20180107T221445_C001 CS_OFFL_SIR_LRM_2_20180107T2232322_20180107T000744_C001 CS_OFFL_SIR_LRM_2_20180107T02325_20180107T000724_C001 CS_OFFL_SIR_LRM_2_20180107T00555_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T00515_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T005617_20180107T00528_C001 CS_OFFL_SIR_SIN_2_20180107T005617_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T014306_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T04952_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T049824_C001 CS_OFFL_SIR_SIN_2_20180107T04403_20180107T049624_C001 CS_OFFL_SIR_SIN_2_20180107T044502_0180107T044629_C001 CS_OFFL_SIR_SIN_2_20180107T044502_0180107T044629_C001 CS_OFFL_SIR_SIN_2_20180107T044503_20180107T044624_C001 CS_OFFL_SIR_SIN_2_20180107T044503_20180107T045551_C001 CS_OFFL_SIR_SIN_2_20180107T045532		(
CS_OFFL_SIR_LRM_2_20180107T203701_20180107T204219_C001 CS_OFFL_SIR_LRM_2_20180107T204759_20180107T211289_C001 CS_OFFL_SIR_LRM_2_20180107T211315_20180107T21503_C001 CS_OFFL_SIR_LRM_2_20180107T214604_20180107T21503_C001 CS_OFFL_SIR_LRM_2_20180107T214537_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T221532_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T221322_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T221322_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T22302_20180107T225904_C001 CS_OFFL_SIR_LRM_2_20180107T0255_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T00055_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T00555_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T00515_20180107T000576_C001 CS_OFFL_SIR_SIN_2_20180107T005017_20180107T003705_C001 CS_OFFL_SIR_SIN_2_20180107T0214156_20180107T014306_C001 CS_OFFL_SIR_SIN_2_20180107T02318_20180107T032814_C001 CS_OFFL_SIR_SIN_2_20180107T0214120_20180107T040652_C001 CS_OFFL_SIR_SIN_2_20180107T044630_20180107T046652_C001 CS_OFFL_SIR_SIN_2_20180107T044630_20180107T046552_C001 CS_OFFL_SIR_SIN_2_20180107T045630_20180107T04653_C001 CS_OFFL_SIR_SIN_2_20180107T045630_20180107T045636_C001 CS_OFFL_SIR_SIN_2_20180107T055316_C001 CS_OFFL_SIR_SIN_2_20180107T055312_0180107T034651_C001 CS_OFFL_SIR_SIN_2_20180107T05552.20180107T034652_C001 CS_OFFL_SIR_SIN_2_20180107T05552.20180107T03465_C001 CS_OFFL_SIR_SIN_2_2	CS_OFFL_SIR_LRM_220180107T195720_20180107T195804_C001	(
CS_OFFL_SIR_LRM_2_20180107T204759_20180107T211029_C001 CS_OFFL_SIR_LRM_2_20180107T211315_20180107T21248_C001 CS_OFFL_SIR_LRM_2_20180107T215437_20180107T215921_C001 CS_OFFL_SIR_LRM_2_20180107T22109_20180107T215921_C001 CS_OFFL_SIR_LRM_2_20180107T22109_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T22103_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T221352_20180107T225904_C001 CS_OFFL_SIR_LRM_2_20180107T232500_20180107T0244656_C001 CS_OFFL_SIR_SIN_2_20180107T00255_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T00555_C001 CS_OFFL_SIR_SIN_2_20180107T00515_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T00515_20180107T00526_C001 CS_OFFL_SIR_SIN_2_20180107T00515_20180107T005756_C001 CS_OFFL_SIR_SIN_2_20180107T01456_20180107T014306_C001 CS_OFFL_SIR_SIN_2_20180107T012241_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T02140_220180107T040652_C001 CS_OFFL_SIR_SIN_2_20180107T012314_20180107T040824_C001 CS_OFFL_SIR_SIN_2_20180107T04463_20180107T044624_C001 CS_OFFL_SIR_SIN_2_20180107T04563_20180107T04563_C001 CS_OFFL_SIR_SIN_2_20180107T04563_20180107T04563_C001 CS_OFFL_SIR_SIN_2_20180107T055316_20180107T045636_C001 CS_OFFL_SIR_SIN_2_20180107T05532_20180107T03462_C001 CS_OFFL_SIR_SIN_2_20180107T05532_20180107T07241629_C001 CS_OFFL_SIR_SIN_2_20180107T055526_C001 CS_OFFL_SIR_SIN_2_20180107T05532_20180107T0724563_C001 CS_OFFL_SIR_SIN_2_20180107T055526_C001	CS_OFFL_SIR_LRM_220180107T202433_20180107T202541_C001	F (
CS_OFFL_SIR_LRM_2_20180107T204759_20180107T211029_C001 CS_OFFL_SIR_LRM_2_20180107T211315_20180107T21248_C001 CS_OFFL_SIR_LRM_2_20180107T215437_20180107T215921_C001 CS_OFFL_SIR_LRM_2_20180107T22109_20180107T215921_C001 CS_OFFL_SIR_LRM_2_20180107T22109_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T22103_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T221352_20180107T225904_C001 CS_OFFL_SIR_LRM_2_20180107T232500_20180107T0244656_C001 CS_OFFL_SIR_SIN_2_20180107T00255_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T00555_C001 CS_OFFL_SIR_SIN_2_20180107T00515_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T00515_20180107T00526_C001 CS_OFFL_SIR_SIN_2_20180107T00515_20180107T005756_C001 CS_OFFL_SIR_SIN_2_20180107T01456_20180107T014306_C001 CS_OFFL_SIR_SIN_2_20180107T012241_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T02140_220180107T040652_C001 CS_OFFL_SIR_SIN_2_20180107T012314_20180107T040824_C001 CS_OFFL_SIR_SIN_2_20180107T04463_20180107T044624_C001 CS_OFFL_SIR_SIN_2_20180107T04563_20180107T04563_C001 CS_OFFL_SIR_SIN_2_20180107T04563_20180107T04563_C001 CS_OFFL_SIR_SIN_2_20180107T055316_20180107T045636_C001 CS_OFFL_SIR_SIN_2_20180107T05532_20180107T03462_C001 CS_OFFL_SIR_SIN_2_20180107T05532_20180107T07241629_C001 CS_OFFL_SIR_SIN_2_20180107T055526_C001 CS_OFFL_SIR_SIN_2_20180107T05532_20180107T0724563_C001 CS_OFFL_SIR_SIN_2_20180107T055526_C001	CS OFFL SIR LRM 2 20180107T203701 20180107T204219 C001	(
CS_OFFL_SIR_LRM_2_20180107T211315_20180107T212246_C001 CS_OFFL_SIR_LRM_2_20180107T214604_20180107T21503_C001 CS_OFFL_SIR_LRM_2_20180107T215437_20180107T215921_C001 CS_OFFL_SIR_LRM_2_20180107T221352_20180107T2214431_C001 CS_OFFL_SIR_LRM_2_20180107T221352_20180107T221491_C001 CS_OFFL_SIR_LRM_2_20180107T223322_20180107T22504_C001 CS_OFFL_SIR_LRM_2_20180107T223322_20180107T22485_C001 CS_OFFL_SIR_LRM_2_20180107T00255_20180107T002450_C001 CS_OFFL_SIR_SIN_2_20180107T000255_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T004639_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T004550_C001 CS_OFFL_SIR_SIN_2_20180107T014156_20180107T014306_C001 CS_OFFL_SIR_SIN_2_20180107T0141462_20180107T014306_C001 CS_OFFL_SIR_SIN_2_20180107T02218_20180107T004610_C001 CS_OFFL_SIR_SIN_2_20180107T04201_20180107T04460_C001 CS_OFFL_SIR_SIN_2_20180107T040403_20180107T040652_C001 CS_OFFL_SIR_SIN_2_20180107T04403_20180107T046566_C001 CS_OFFL_SIR_SIN_2_20180107T045450_20180107T045566_C001 CS_OFFL_SIR_SIN_2_20180107T045450_20180107T045636_C001 CS_OFFL_SIR_SIN_2_20180107T05232_20180107T045636_C001 CS_OFFL_SIR_SIN_2_20180107T05434_20180107T034601_C001 CS_OFFL_SIR_SIN_2_20180107T054552_C001 CS_OFFL_SIR_SIN_2_20180107T059338_20180107T095452_C001		F
GS_OFFL_SIR_LRM_2_20180107T214604_20180107T215103_C001 CS_OFFL_SIR_LRM_2_20180107T21437_20180107T215921_C001 CS_OFFL_SIR_LRM_2_20180107T220109_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T221352_20180107T221431_C001 CS_OFFL_SIR_LRM_2_20180107T223322_0180107T225904_C001 CS_OFFL_SIR_LRM_2_20180107T233250_20180107T024656_C001 CS_OFFL_SIR_SIN_2_20180107T00255_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T0005512_0180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T005115_20180107T005266_C001 CS_OFFL_SIR_SIN_2_20180107T01456_20180107T014306_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T014306_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T0243705_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T0243705_C001 CS_OFFL_SIR_SIN_2_20180107T04403_20180107T040652_C001 CS_OFFL_SIR_SIN_2_20180107T044003_20180107T040652_C001 CS_OFFL_SIR_SIN_2_20180107T044003_20180107T040654_C001 CS_OFFL_SIR_SIN_2_20180107T044063_20180107T040654_C001 CS_OFFL_SIR_SIN_2_20180107T044663_20180107T044624_C001 CS_OFFL_SIR_SIN_2_20180107T054545_020180107T054664_C001 CS_OFFL_SIR_SIN_2_20180107T054545_020180107T054664_C001 CS_OFFL_SIR_SIN_2_20180107T054542_0180107T054661_C001 CS_OFFL_SIR_SIN_2_20180107T054523_20180107T054626_C001 CS_OFFL_SIR_SIN_2_20180107T		(
GS_OFFL_SIR_LRM_2_20180107T215437_20180107T215921_C001 CS_OFFL_SIR_LRM_2_20180107T221352_20180107T22148_C001 CS_OFFL_SIR_LRM_2_20180107T221352_20180107T221431_C001 CS_OFFL_SIR_LRM_2_20180107T223222_0180107T22594_C001 CS_OFFL_SIR_LRM_2_20180107T232500_20180107T234656_C001 CS_OFFL_SIR_SIN_2_20180107T00255_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T000555_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T000555_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T0005115_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T005617_20180107T005266_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T014506_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T023705_C001 CS_OFFL_SIR_SIN_2_20180107T023518_20180107T044610_C001 CS_OFFL_SIR_SIN_2_20180107T044083_20180107T040522_C001 CS_OFFL_SIR_SIN_2_20180107T044083_20180107T040824_C001 CS_OFFL_SIR_SIN_2_20180107T044083_20180107T040824_C001 CS_OFFL_SIR_SIN_2_20180107T044630_20180107T044626_C001 CS_OFFL_SIR_SIN_2_20180107T05434_20180107T044624_C001 CS_OFFL_SIR_SIN_2_20180107T05434_20180107T054514_C001 CS_OFFL_SIR_SIN_2_20180107T055322_20180107T054514_C001 CS_OFFL_SIR_SIN_2_20180107T055232_20180107T054516_C001 CS_OFFL_SIR_SIN_2_20180107T073247_20180107T073402_C001 CS_OFFL_SIR_SIN_2_20180107T0		E
GS_OFFL_SIR_LRM_2_20180107T220109_20180107T221248_C001 Image: CS_OFFL_SIR_LRM_2_20180107T221352_0180107T221431_C001 CS_OFFL_SIR_LRM_2_20180107T2213252_0180107T222119_C001 CS_OFFL_SIR_LRM_2_20180107T223222_0180107T225804_C001 CS_OFFL_SIR_LRM_2_20180107T022322_0180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T000255_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T000255_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T000255_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T0005115_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T01456_20180107T004914_C001 CS_OFFL_SIR_SIN_2_20180107T014152_0180107T014600_C001 CS_OFFL_SIR_SIN_2_20180107T014422_20180107T014610_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T022723_C001 CS_OFFL_SIR_SIN_2_20180107T022401_20180107T022723_C001 CS_OFFL_SIR_SIN_2_20180107T02401_20180107T023705_C001 CS_OFFL_SIR_SIN_2_20180107T04403_20180107T040522_C001 CS_OFFL_SIR_SIN_2_20180107T04403_20180107T044629_C001 CS_OFFL_SIR_SIN_2_20180107T04550_011 CS_OFFL_SIR_SIN_2_20180107T04550_20180107T045506_C001 CS_OFFL_SIR_SIN_2_20180107T05533_20180107T055616_C001 CS_OFFL_SIR_SIN_2_20180107T055232_20180107T05461_C001 CS_OFFL_SIR_SIN_2_20180107T055232_0180107T072402_C001 CS_OFFL_SIR_SIN_2_20180107T055332_20180107T079402_C001 CS_OFFL_SIR_SIN_2_20180107T055332_0180107T095452_C001 CS_OFFL_SIR_SIN_2_20180107T105033_20180107T104321_C001 CS_OFFL_SIR_SIN_2_2		E
GS_OFFL_SIR_LRM_2_20180107T221352_0180107T221431_C001 Image: Content of the system of th		E
CS_OFFL_SIR_LRM_2_20180107T221803_20180107T222119_C001 S CS_OFFL_SIR_LRM_2_20180107T223322_20180107T222190_C001 S CS_OFFL_SIR_LRM_2_20180107T223322_20180107T000724_C001 S CS_OFFL_SIR_SIN_2_20180107T000255_20180107T004914_C001 S CS_OFFL_SIR_SIN_2_20180107T005115_20180107T00526_C001 S CS_OFFL_SIR_SIN_2_20180107T005617_20180107T00556_C001 S CS_OFFL_SIR_SIN_2_20180107T014156_20180107T014506_C001 S CS_OFFL_SIR_SIN_2_20180107T014156_20180107T02723_C001 S CS_OFFL_SIR_SIN_2_20180107T022401_20180107T023705_C001 S CS_OFFL_SIR_SIN_2_20180107T023518_20180107T040552_C001 S CS_OFFL_SIR_SIN_2_20180107T044033_20180107T040824_C001 S CS_OFFL_SIR_SIN_2_20180107T044603_20180107T046824_C001 S CS_OFFL_SIR_SIN_2_20180107T045450_20180107T045636_C001 S CS_OFFL_SIR_SIN_2_20180107T045450_20180107T054514_C001 S CS_OFFL_SIR_SIN_2_20180107T05532_20180107T054614_C001 S CS_OFFL_SIR_SIN_2_20180107T073247_20180107T073402_C001 S CS_OFFL_SIR_SIN_2_20180107T073247_20180107T094542_C001 S CS_OFFL_SIR_SIN_2_20180107T09338_20180107T094542_C001 S CS_OFFL_SIR_SIN_2_20180107T03247_20180107T094642		
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CS_OFFL_SIR_LRM_2_20180107T232500_20180107T234856_C001 Image: CS_OFFL_SIR_SIN_2_20180107T000255_20180107T000724_C001 CS_OFFL_SIR_SIN_2_20180107T000515_20180107T005226_C001 SS_OFFL_SIR_SIN_2_20180107T005617_20180107T005756_C001 CS_OFFL_SIR_SIN_2_20180107T005617_20180107T014506_C001 SS_OFFL_SIR_SIN_2_20180107T014156_20180107T014610_C001 CS_OFFL_SIR_SIN_2_20180107T014156_20180107T014610_C001 SS_OFFL_SIR_SIN_2_20180107T022401_20180107T02273_C001 CS_OFFL_SIR_SIN_2_20180107T023518_20180107T023705_C001 SS_OFFL_SIR_SIN_2_20180107T032114_20180107T032614_C001 CS_OFFL_SIR_SIN_2_20180107T040403_20180107T040824_C001 SS_OFFL_SIR_SIN_2_20180107T044003_20180107T040824_C001 CS_OFFL_SIR_SIN_2_20180107T045603_20180107T045636_C001 SS_OFFL_SIR_SIN_2_20180107T045450_20180107T045636_C001 CS_OFFL_SIR_SIN_2_20180107T045603_20180107T045636_C001 SS_OFFL_SIR_SIN_2_20180107T054334_20180107T054636_C001 CS_OFFL_SIR_SIN_2_20180107T05432_20180107T05516_C001 SS_OFFL_SIR_SIN_2_20180107T072336_20180107T073402_C001 CS_OFFL_SIR_SIN_2_20180107T072336_20180107T073402_C001 SS_OFFL_SIR_SIN_2_20180107T09255_20180107T094552_C001 CS_OFFL_SIR_SIN_2_20180107T09338_20180107T095452_C001 SS_OFFL_SIR_SIN_2_20180107T095538_20180107T093425_C001 CS_OFFL_SIR_SIN_2_20180107T091127_20180107T105138_C001 SS_OFFL_SIR_SIN_2_20180107T113294_20180107T113032_C001 CS_OFFL_SIR_SIN_2_20180107T112243_20180107T113032_C001		r (
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CS_OFFL_SIR_SIN_220180107T041407_20180107T041629_C001 S CS_OFFL_SIR_SIN_220180107T045450_20180107T045506_C001 S CS_OFFL_SIR_SIN_220180107T045603_20180107T045636_C001 S CS_OFFL_SIR_SIN_220180107T054334_20180107T054514_C001 S CS_OFFL_SIR_SIN_220180107T054626_20180107T054801_C001 S CS_OFFL_SIR_SIN_220180107T055232_20180107T055516_C001 S CS_OFFL_SIR_SIN_220180107T072336_20180107T072711_C001 S CS_OFFL_SIR_SIN_220180107T073247_20180107T073402_C001 S CS_OFFL_SIR_SIN_220180107T090255_20180107T09144_C001 S CS_OFFL_SIR_SIN_220180107T091127_20180107T091252_C001 S CS_OFFL_SIR_SIN_220180107T1095338_20180107T1091252_C001 S CS_OFFL_SIR_SIN_2_20180107T104007_20180107T104321_C001 S CS_OFFL_SIR_SIN_2_20180107T112924_20180107T113032_C001 S CS_OFFL_SIR_SIN_2_20180107T113254_20180107T113032_C001 S CS_OFFL_SIR_SIN_2_20180107T121813_20180107T121953_C001 S CS_OFFL_SIR_SIN_2_20180107T122733_20180107T121953_C001 S CS_OFFL_SIR_SIN_2_20180107T12131046_20180107T1131046_20180107T121953_C001 S	CS_OFFL_SIR_SIN_220180107T040403_20180107T040552_C001	
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CS_OFFL_SIR_SIN_2201801071045450_201801071045506_C001 S CS_OFFL_SIR_SIN_220180107T054603_20180107T045636_C001 S CS_OFFL_SIR_SIN_220180107T054334_20180107T054514_C001 S CS_OFFL_SIR_SIN_220180107T054626_20180107T054801_C001 S CS_OFFL_SIR_SIN_220180107T055232_20180107T055516_C001 S CS_OFFL_SIR_SIN_2_20180107T072336_20180107T072711_C001 S CS_OFFL_SIR_SIN_2_20180107T073247_20180107T073402_C001 S CS_OFFL_SIR_SIN_2_20180107T090255_20180107T090614_C001 S CS_OFFL_SIR_SIN_2_20180107T090255_20180107T091252_C001 S CS_OFFL_SIR_SIN_2_20180107T095338_20180107T095452_C001 S CS_OFFL_SIR_SIN_2_20180107T105030_20180107T105138_C001 S CS_OFFL_SIR_SIN_2_20180107T1122924_20180107T113032_C001 S CS_OFFL_SIR_SIN_2_20180107T121813_20180107T121953_C001 S CS_OFFL_SIR_SIN_2_20180107T122733_20180107T122923_C001 S CS_OFFL_SIR_SIN_2_20180107T12131046_20180107T1131319_C001 S	CS_OFFL_SIR_SIN_220180107T041407_20180107T041629_C001	e
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CS_OFFL_SIR_SIN_2_20180107T0555232_20180107T055516_C001 S CS_OFFL_SIR_SIN_2_20180107T072336_20180107T072711_C001 S CS_OFFL_SIR_SIN_2_20180107T073247_20180107T073402_C001 S CS_OFFL_SIR_SIN_2_20180107T090255_20180107T090614_C001 S CS_OFFL_SIR_SIN_2_20180107T0901127_20180107T090614_C001 S CS_OFFL_SIR_SIN_2_20180107T095338_20180107T095452_C001 S CS_OFFL_SIR_SIN_2_20180107T104007_20180107T104321_C001 S CS_OFFL_SIR_SIN_2_20180107T105030_20180107T105138_C001 S CS_OFFL_SIR_SIN_2_20180107T113032_C001 S CS_OFFL_SIR_SIN_2_20180107T113254_20180107T113032_C001 S CS_OFFL_SIR_SIN_2_20180107T121813_20180107T1121953_C001 S CS_OFFL_SIR_SIN_2_20180107T122733_20180107T122923_C001 S CS_OFFL_SIR_SIN_2_20180107T12131046_20180107T1131319_C001 S	CS_OFFL_SIR_SIN_220180107T054334_20180107T054514_C001	5
CS_OFFL_SIR_SIN_2_20180107T072336_20180107T072711_C001 S CS_OFFL_SIR_SIN_2_20180107T073247_20180107T073402_C001 S CS_OFFL_SIR_SIN_2_20180107T090255_20180107T090614_C001 S CS_OFFL_SIR_SIN_2_20180107T091127_20180107T091252_C001 S CS_OFFL_SIR_SIN_2_20180107T095338_20180107T095452_C001 S CS_OFFL_SIR_SIN_2_20180107T104007_20180107T1095452_C001 S CS_OFFL_SIR_SIN_2_20180107T104007_20180107T104321_C001 S CS_OFFL_SIR_SIN_2_20180107T112924_20180107T110538_C001 S CS_OFFL_SIR_SIN_2_20180107T113254_20180107T113032_C001 S CS_OFFL_SIR_SIN_2_20180107T121813_20180107T121953_C001 S CS_OFFL_SIR_SIN_2_20180107T122733_20180107T122923_C001 S CS_OFFL_SIR_SIN_2_20180107T12131046_20180107T131319_C001 S	CS_OFFL_SIR_SIN_220180107T054626_20180107T054801_C001	S
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CS_OFFL_SIR_SIN_2_20180107T090255_20180107T090614_C001 S CS_OFFL_SIR_SIN_2_20180107T091127_20180107T091252_C001 S CS_OFFL_SIR_SIN_2_20180107T095338_20180107T095452_C001 S CS_OFFL_SIR_SIN_2_20180107T104007_20180107T104321_C001 S CS_OFFL_SIR_SIN_2_20180107T105030_20180107T104321_C001 S CS_OFFL_SIR_SIN_2_20180107T112924_20180107T1105138_C001 S CS_OFFL_SIR_SIN_2_20180107T113254_20180107T113032_C001 S CS_OFFL_SIR_SIN_2_20180107T113254_20180107T113404_C001 S CS_OFFL_SIR_SIN_2_20180107T121813_20180107T121953_C001 S CS_OFFL_SIR_SIN_2_20180107T122733_20180107T122923_C001 S CS_OFFL_SIR_SIN_2_20180107T131046_20180107T131319_C001 S	CS_OFFL_SIR_SIN_220180107T072336_20180107T072711_C001	s
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CS_OFFL_SIR_SIN_2_20180107T095338_20180107T095452_C001 S CS_OFFL_SIR_SIN_2_20180107T104007_20180107T104321_C001 S CS_OFFL_SIR_SIN_2_20180107T105030_20180107T105138_C001 S CS_OFFL_SIR_SIN_2_20180107T112924_20180107T113032_C001 S CS_OFFL_SIR_SIN_2_20180107T113254_20180107T113032_C001 S CS_OFFL_SIR_SIN_2_20180107T113254_20180107T113404_C001 S CS_OFFL_SIR_SIN_2_20180107T121813_20180107T121953_C001 S CS_OFFL_SIR_SIN_2_20180107T122733_20180107T122923_C001 S CS_OFFL_SIR_SIN_2_20180107T131046_20180107T131319_C001 S	CS_OFFL_SIR_SIN_220180107T090255_20180107T090614_C001	S
CS_OFFL_SIR_SIN_2_20180107T104007_20180107T104321_C001 CS_OFFL_SIR_SIN_2_20180107T105030_20180107T105138_C001 CS_OFFL_SIR_SIN_2_20180107T112924_20180107T113032_C001 CS_OFFL_SIR_SIN_2_20180107T113254_20180107T113404_C001 CS_OFFL_SIR_SIN_2_20180107T121813_20180107T121953_C001 CS_OFFL_SIR_SIN_2_20180107T122733_20180107T122923_C001 CS_OFFL_SIR_SIN_2_20180107T131046_20180107T131319_C001	CS_OFFL_SIR_SIN_220180107T091127_20180107T091252_C001	S
CS_OFFL_SIR_SIN_220180107T105030_20180107T105138_C001 CS_OFFL_SIR_SIN_220180107T112924_20180107T113032_C001 CS_OFFL_SIR_SIN_220180107T113254_20180107T113404_C001 CS_OFFL_SIR_SIN_220180107T121813_20180107T121953_C001 CS_OFFL_SIR_SIN_220180107T122733_20180107T122923_C001 CS_OFFL_SIR_SIN_220180107T131046_20180107T131319_C001	CS_OFFL_SIR_SIN_220180107T095338_20180107T095452_C001	S
CS_OFFL_SIR_SIN_220180107T112924_20180107T113032_C001 CS_OFFL_SIR_SIN_220180107T113254_20180107T113404_C001 CS_OFFL_SIR_SIN_220180107T121813_20180107T121953_C001 CS_OFFL_SIR_SIN_220180107T122733_20180107T122923_C001 CS_OFFL_SIR_SIN_220180107T12131046_20180107T131319_C001	CS_OFFL_SIR_SIN_220180107T104007_20180107T104321_C001	S
CS_OFFL_SIR_SIN_220180107T113254_20180107T113404_C001 S CS_OFFL_SIR_SIN_220180107T121813_20180107T121953_C001 S CS_OFFL_SIR_SIN_220180107T122733_20180107T122923_C001 S CS_OFFL_SIR_SIN_220180107T131046_20180107T131319_C001	CS_OFFL_SIR_SIN_220180107T105030_20180107T105138_C001	S
CS_OFFL_SIR_SIN_2_20180107T121813_20180107T121953_C001 CS_OFFL_SIR_SIN_2_20180107T122733_20180107T122923_C001 CS_OFFL_SIR_SIN_2_20180107T131046_20180107T131319_C001	CS_OFFL_SIR_SIN_220180107T112924_20180107T113032_C001	S
CS_OFFL_SIR_SIN_220180107T122733_20180107T122923_C001	CS_OFFL_SIR_SIN_220180107T113254_20180107T113404_C001	S
CS OFFL SIR SIN 2 20180107T131046 20180107T131319 C001	CS_OFFL_SIR_SIN_220180107T121813_20180107T121953_C001	5
		N
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CS_OFFL_SIR_SIN_220180107T140441_20180107T140447_C001		
CS_OFFL_SIR_SIN_2_20180107T140603_20180107T141254_C001		
S DEEL SIR SIN 2 201801071144735 20180107T145200 C001	CS_OFFL_SIR_SIN_2_20180107T144735_20180107T145200_C001	N
	CS_OFFL_SIR_SIN_220180107T153635_20180107T153919_C001	5

Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)
Surface Model Unavailable
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)
Surface Model Unavailable
Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error
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Error (Retracker 2)
Height Error (Retracker 2), Backscatter Error (Retracker 2)
Height Error (Retracker 2), Backscatter Error (Retracker 2)
Surface Model Unavailable
(Retracker 3), Backscatter Error
Height Error (Retracker 2), Backscatter Error (Retracker 2)
SARIn X-track Angle Error
SARIn X-track Angle Error, Surface Model Unavailable
SARIn X-track Angle Error
SARIn X-track Angle Error
SARIn X-track Angle Error
SARIn X-track Angle Error, Surface Model Unavailable
SARIn X-track Angle Error, Surface Model Unavailable
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SARIn X-track Angle Error, Surface
Model Unavailable SARIn X-track Angle Error
SARIn X-track Angle Error
SARIn X-track Angle Error
SARIn X-track Angle Error, Surface
Model Unavailable
SARIn X-track Angle Error

Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
	No DEM or Slope Model was used for the location of one or more records
Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
	No DEM or Slope Model was used for the location of one or more records
Error	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
atter	There is a height and backscatter error for Retracker 2 for one or more records
atter	There is a height and backscatter error for Retracker 2 for one or more records
atter	There is a height and backscatter error for Retracker 2 for one or more records
atter	There is a height and backscatter error for Retracker 2 for one or more records There is a height and backscatter error for Retracker 2 for one or more
	records No DEM or Slope Model was used for the location of one or more records
	There is a height and backscatter error for Retracker 2 and a height error
atter	for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more
	records An ambiguous angle was detected for SARIn mode for one or more
	records An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
•	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records
	An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope
	Model was used for one or more records An ambiguous angle was detected for SARII mode and no DEM of Slope
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	An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more
)	records An ambiguous angle was detected for SARIn mode and no DEM or Slope
	Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more
	records

CS_OFFL_SIR_SIN_220180107T154340_20180107T154346_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T154355_20180107T154401_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T154543_20180107T154849_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T171616_20180107T171731_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T172625_20180107T172742_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T181627_20180107T181719_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_220180107T185558_20180107T185721_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T190532_20180107T190645_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T203535_20180107T203700_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T204220_20180107T204527_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T213348_20180107T213415_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_220180107T221518_20180107T221803_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T222120_20180107T222455_C001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220180107T235557_20180107T235831_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	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	165	165	165	0	0
SIR_LRM_2	164	164	164	0	0
SIR_LRMI2_	164	164	164	0	0
SIR_SAR_1B	122	122	122	0	0
SIR_SAR_2	122	122	122	0	0
SIR_SARI2_	122	122	122	0	0
SIR_SIN_1B	106	106	106	0	0
SIR_SIN_2	106	106	106	0	0
SIR_SINI2	106	106	106	0	0
SIR_GDR_2	13	13	13	0	0

6.1 QCC Errors			
Number of products with QCC errors:	0		
6.2 QCC Warnings			
Number of QCC reports with warnings	0		
6.2 Missing QCC Reports			

Number of products with missing QCC reports: 210