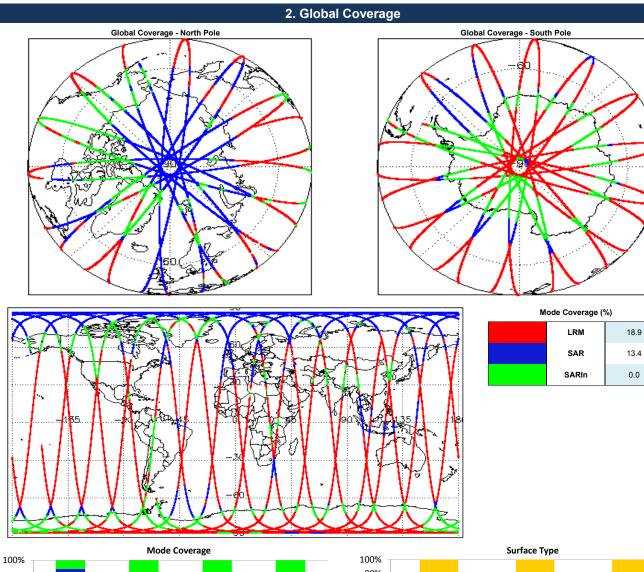
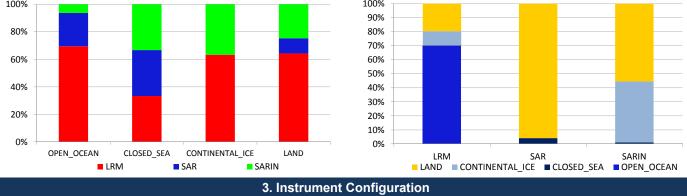


IDEAS+ Daily Report for OFFLINE data:

24/02/2016

1. Overview					
Demont Develoption Deter	24-Mar-2016	Check	Status		
Report Production Date:		Server check: science-pds.cryosat.esa.int	Nominal		
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal		
		Product Software Check	Nominal		
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal		
		Product Header Analysis	Nominal		
		Star Tracker Usage Check	Nominal		
		L1B Calibration Usage Check	Nominal		
		L1B & L2 Auxiliary Data File Usage Check	Nominal		
		L1B & L2 Auxiliary Correction Error Check	Nominal		
		L1B & L2 Measurement Confidence Data Check	See Section 4.7 and 5.5		
lission / Instrument News					
23-Feb-2016 None	None				
24-Feb-2016 None	None				
25-Feb-2016 Nothing planne	Nothing planned				





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

SIRAL instrument(s) in use: SIRAL - A

4. Level 1B Data Quality Check

4.1 L1B Product Format Check

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

Number of products with errors:

4.2 L1B Product Header Analysis

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

4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing

Number of products with errors:

4.4 L1B Calibration Usage Check

Each product is checked in order to ensure that the necessary calibration files have been used in processing

0

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 ter

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:

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.

Imber of products with errors:

Product	Test Failed	Description
	5	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220160224T001530_20160224T001813_C001		There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
	5	There is a height and backscatter error for Retracker 2 for one or more records

100

CS_OFFL_SIR_LRM_2__20160224T004809_20160224T011202_C001 CS_OFFL_SIR_LRM_2__20160224T011310_20160224T012154_C001 CS OFFL SIR LRM 2 20160224T012425 20160224T012502 C001 CS OFFL SIR LRM 2 20160224T015106 20160224T021422 C001 CS_OFFL_SIR_LRM_2__20160224T022659_20160224T025539_C001 CS OFFL SIR LRM 2 20160224T032652 20160224T035328 C001 CS OFFL SIR LRM 2 20160224T040643 20160224T044111 C001 CS_OFFL_SIR_LRM_2__20160224T050739_20160224T051358_C001 CS OFFL SIR LRM 2 20160224T064113 20160224T064145 C001 CS_OFFL_SIR_LRM_2__20160224T064824_20160224T071255_C001 CS_OFFL_SIR_LRM_2__20160224T072449_20160224T075950_C001 CS_OFFL_SIR_LRM_2__20160224T082411_20160224T084701_C001 CS_OFFL_SIR_LRM_2__20160224T085629_20160224T085835_C001 CS OFFL SIR LRM 2 20160224T090526 20160224T093500 C001 CS_OFFL_SIR_LRM_2__20160224T095437_20160224T101251_C001 CS_OFFL_SIR_LRM_2__20160224T101352_20160224T102725_C001 CS OFFL SIR LRM 2 20160224T103546 20160224T103744 C001 CS OFFL SIR LRM 2 20160224T104428 20160224T110007 C001 CS OFFL SIR LRM 2 20160224T110209 20160224T111133 C001 CS OFFL SIR LRM 2 20160224T113928 20160224T115052 C001 CS_OFFL_SIR_LRM_2__20160224T122335_20160224T123911_C001 CS OFFL SIR LRM 2 20160224T131712 20160224T134956 C001 CS_OFFL_SIR_LRM_2__20160224T135222_20160224T135434_C001 CS_OFFL_SIR_LRM_2__20160224T135449_20160224T140040_C001 CS_OFFL_SIR_LRM_2__20160224T140300 20160224T142244 C001 CS OFFL SIR LRM 2 20160224T150013 20160224T150255 C001 CS_OFFL_SIR_LRM_2__20160224T150258_20160224T152838_C001 CS_OFFL_SIR_LRM_2__20160224T154144_20160224T161000_C001 CS OFFL SIR LRM 2 20160224T163436 20160224T170743 C001 CS_OFFL_SIR_LRM_2__20160224T172042_20160224T172704_C001 CS_OFFL_SIR_LRM_2__20160224T175821_20160224T175945_C001 CS OFFL SIR LRM 2 20160224T181306 20160224T184728 C001 CS OFFL SIR LRM 2 20160224T185941 20160224T192805 C001 CS_OFFL_SIR_LRM_2__20160224T192840_20160224T193007_C001 CS_OFFL_SIR_LRM_2__20160224T195127_20160224T202514_C001 CS_OFFL_SIR_LRM_2__20160224T203251_20160224T203702_C001 CS OFFL SIR LRM 2 20160224T203858 20160224T210748 C001 CS OFFL SIR LRM 2 20160224T210807 20160224T211527 C001 CS OFFL SIR LRM 2 20160224T213342 20160224T214223 C001 CS OFFL SIR LRM 2 20160224T214704 20160224T214845 C001 CS_OFFL_SIR_LRM_2__20160224T214847_20160224T220446_C001 CS OFFL SIR LRM 2 20160224T222249 20160224T223520 C001 CS_OFFL_SIR_LRM_2__20160224T223734_20160224T224923_C001 CS OFFL SIR LRM 2 20160224T231655 20160224T232600 C001

Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more Error (Retracker 2) ecords Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) ecords Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error for Retracker 3 for one or more records (Retracker 2)

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There is a height and backscatter error for Retracker 2 and a height error

CS_OFFL_SIR_LRM_2__20160224T232603_20160224T232625_C001 CS OFFL SIR LRM 2 20160224T232827 20160224T232837 C001 CS_OFFL_SIR_LRM_2__20160224T232901_20160224T234357_C001 CS_OFFL_SIR_SIN_2__20160224T003446_20160224T003636_C001 CS OFFL SIR SIN 2 20160224T004155 20160224T004201 C001 CS_OFFL_SIR_SIN_2__20160224T004210_20160224T004218_C001 CS OFFL SIR SIN 2 20160224T004322 20160224T004809 C001 CS OFFL SIR SIN 2 20160224T021447 20160224T021718 C001 CS OFFL SIR SIN 2 20160224T022053 20160224T022059 C001 CS OFFL SIR SIN 2 20160224T022434 20160224T022626 C001 CS OFFL SIR SIN 2 20160224T035328 20160224T035501 C001 CS_OFFL_SIR_SIN_2__20160224T040007_20160224T040013_C001 CS OFFL SIR SIN 2 20160224T040341 20160224T040513 C001 CS_OFFL_SIR_SIN_2__20160224T053345_20160224T053500_C001 CS_OFFL_SIR_SIN_2__20160224T054039_20160224T054144_C001 CS OFFL SIR SIN 2 20160224T054241 20160224T054355 C001 CS_OFFL_SIR_SIN_2__20160224T071258_20160224T071423_C001 CS_OFFL_SIR_SIN_2__20160224T071933_20160224T072240_C001 CS_OFFL_SIR_SIN_2_20160224T085340_20160224T085629_C001 CS_OFFL_SIR_SIN_2__20160224T085836_20160224T090401_C001 CS_OFFL_SIR_SIN_2__20160224T094932_20160224T095357_C001 CS OFFL SIR SIN 2 20160224T103310 20160224T103545 C001 CS OFFL SIR SIN 2 20160224T103745 20160224T103902 C001 CS OFFL SIR SIN 2 20160224T104247 20160224T104428 C001 CS OFFL SIR SIN 2 20160224T112831 20160224T112942 C001 CS OFFL SIR SIN 2 20160224T113105 20160224T113315 C001 CS_OFFL_SIR_SIN_2__20160224T121023_20160224T121359_C001 CS_OFFL_SIR_SIN_2__20160224T122148_20160224T122334_C001 CS_OFFL_SIR_SIN_2__20160224T130751_20160224T131015_C001 CS OFFL SIR SIN 2 20160224T131023 20160224T131230 C001 CS_OFFL_SIR_SIN_2__20160224T135031_20160224T135221_C001 CS_OFFL_SIR_SIN_2__20160224T135435_20160224T135449_C001 CS_OFFL_SIR_SIN_2_20160224T140040_20160224T140300_C001 CS_OFFL_SIR_SIN_2__20160224T144243_20160224T144315_C001 CS OFFL SIR SIN 2 20160224T153005 20160224T153144 C001 CS OFFL SIR SIN 2 20160224T153300 20160224T153431 C001 CS_OFFL_SIR_SIN_2__20160224T153855_20160224T154144_C001 CS OFFL SIR SIN 2 20160224T171004 20160224T171342 C001 CS OFFL SIR SIN 2 20160224T171920 20160224T172034 C001 CS_OFFL_SIR_SIN_2__20160224T180036_20160224T180106_C001 CS_OFFL_SIR_SIN_2__20160224T184927_20160224T185245_C001 CS OFFL SIR SIN 2 20160224T185758 20160224T185923 C001 CS_OFFL_SIR_SIN_2__20160224T194018_20160224T194124_C001 CS OFFL SIR SIN 2 20160224T202640 20160224T203018 C001 CS_OFFL_SIR_SIN_2__20160224T203703_20160224T203810_C001 CS_OFFL_SIR_SIN_2__20160224T211605_20160224T211729_C001 CS OFFL SIR SIN 2 20160224T211928 20160224T212041 C001 CS_OFFL_SIR_SIN_2__20160224T220446_20160224T220624_C001 CS_OFFL_SIR_SIN_2__20160224T221406_20160224T221553_C001 CS OFFL SIR SIN 2 20160224T225657 20160224T225955 C002 CS_OFFL_SIR_SIN_2__20160224T234404_20160224T234549_C002

Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) 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, Surface model Unavailab 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 SARIn X-track Angle Error, Surface model Unavailab SARIn X-track Angle Error SARIn X-track Angle Error, Surface model Unavailable SARIn X-track Angle 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 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 for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more records 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 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 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

CS_OFFL_SIR_SIN_220160224T235112_20160224T235118_C002	ISARIN X-TRACK ANDIE ETTOR	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220160224T235234_20160224T235844_C002	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records