

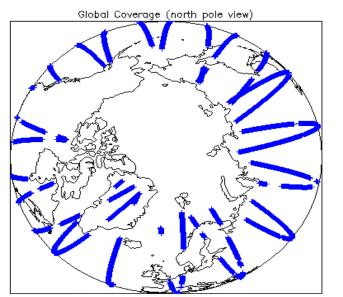
IDEAS+ Daily Report for NRT data:

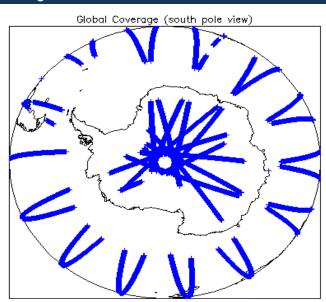
<u>05/06/2015</u>

Report Production Date:	08-Jun-2015	Check	Status	
		Server check: science-pds.cryosat.esa.int	Nominal	
Data Used:	L1 and L2 Fast Delivery Marine Mode	Server check: calval-pds.cryosat.esa.int	Nominal	
	(FDM), and CAL Data	Product Software Check	Nominal	
		Product Format Check	Nominal	
		Product Header Analysis	Nominal	
		Auxiliary Data File Usage	Nominal	
		Correction Error Flags	Nominal	
		Measurement Confidence Flags	See Sections 5.5, 6.5, 6.6 and 6.8	

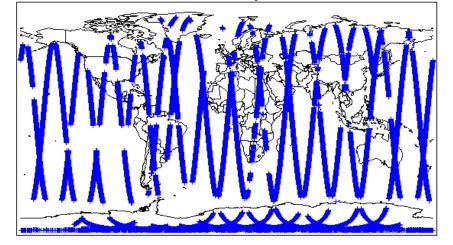
04-Jun-2015	IPF1 vM1.0.2 and IPF2 vM1.0.3 installation and version change at 04:30h.
05-Jun-2015	None
06-Jun-2015	Nothing planned

2. Global Coverage





Global Coverage



3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

4. Level 1B Calibration Data Quality Check

4.1 L1 CAL 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 binary product file (.DBL).

Number of products with errors:

4.2 L1 CAL 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 processing chain.

0

Each product is checked for missing Data Sat Descriptors with a pro-determine	d baseline and also to check the volidity of	of Auviliany Data Files is correct
Each product is checked for missing Data Set Descriptors wrt a pre-determine Number of products with errors: 0	d baseline and also to check the validity of	o Auxiliary Data Files is correct.
1414 CAL Measurement Confidence Flore		
4.4 L1 CAL Measurement Confidence Flags		
CryoSat Cal1 and Cal2 data includes a measurement confidence flag word (fie	Id 11) for each measurement record. The	bit value of this flag indicates any problems when set.
Number of products with errors: 0		
5. Le	vel 1B FDM Data Quality	y Check
5.1 L1B FDM Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML header	file (.HDR) and a binary product file (.DBL).
Number of products with errors: 0		
5.2 L1B FDM Product Header Analysis		
For all products, a series of pre-defined checks are carried out on the MPH an	d SPH in order to identify any inconsisten	cies and/or errors raised by the ground-segment processing chain.
Number of products with errors: 0		
5.3 L1B FDM Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors wrt a pre-determine	d baseline and also to check the validity o	of Auxiliary Data Files is correct.
Number of products with errors: 0		
5.4 L1B FDM Correction Error Flags		
ach product is checked to detect auxiliary corrections flagged by the ground-	station processing chain as missing or co	ntaining errors
Number of products with errors: 0		
5.5 L1B FDM Measurement Confidence Flags		
CryoSat L1B data includes a measurement confidence flag word (field 18) for e	each measurement record. The bit value	of this flag indicates any problems when set.
Attitude Correction Missing: In Baseline-C all FDM products are missing Att eleases.	itude Correction as star tracker data are r	not available in time for processing. This is a known issue and will be fixed in f
Number of products with errors: 6		
roduct	Test Failed	Description
S_OFFL_SIR_FDM_1B_20150605T032816_20150605T032847_C001	Attitude correction missing	The attitude has not been corrected
S_OFFL_SIR_FDM_1B_20150605T050235_20150605T050453_C001	Attitude correction missing	The attitude has not been corrected
S_OFFL_SIR_FDM_1B_20150605T064110_20150605T064238_C001	Attitude correction missing	The attitude has not been corrected
	Attitude correction missing Attitude correction missing	The attitude has not been corrected The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001		
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_C001	Attitude correction missing Echo error	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_C001 6. Le	Attitude correction missing Echo error Echo error	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_C001 6. Le 6.1 L2 FDM Product Format Check	Attitude correction missing Echo error Echo error	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo Check
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_C001 CS_OFFL_SIR_FDM_1B_20150605T15150605T151506_20150605T152150_C001 CS_OFFL_SIR_FDM_1B_20150605T15150605T15150605T15150605T15150605T15150605T150605T150605T150605T150605T150605T150605T1	Attitude correction missing Echo error Echo error	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo Check
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_C001 6. Left 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to end unpacked from the science server, is checked to end unpacked from the science server.	Attitude correction missing Echo error Echo error	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo Check
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_0005T152150_0005T152150_0005T152150_0005T152150_0005T152150_0005T152150_0005T152150_0005T152150_0005T152150_0005T152150_0005T152150_0005T1550605T152150_0005T1550005T1550005T15500_0005T15500_00005T15500_0005T1550_00005T15500_	Attitude correction missing Echo error Echo error Evel 2 FDM Data Quality ensure it consists of both an XML header	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo Check file (.HDR) and a binary product file (.DBL)
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_C001 6. Le 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to exampler of products with errors: 0 6. L2 FDM Product Header Analysis For all products, a series of pre-defined checks are carried out on the MPH an	Attitude correction missing Echo error Echo error Evel 2 FDM Data Quality ensure it consists of both an XML header	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo Check file (.HDR) and a binary product file (.DBL)
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_C001 6. Le 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0 6.2 L2 FDM Product Header Analysis For all products, a series of pre-defined checks are carried out on the MPH an Number of products with errors: 0	Attitude correction missing Echo error Echo error Evel 2 FDM Data Quality ensure it consists of both an XML header	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo Check file (.HDR) and a binary product file (.DBL)
CS_OFFL_SIR_FDM_1B_20150605T093035_20150605T100438_C001 CS_OFFL_SIR_FDM_1B_20150605T115829_20150605T121607_C001 CS_OFFL_SIR_FDM_1B_20150605T151506_20150605T152150_C001 6. Le 6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0 6.2 L2 FDM Product Header Analysis For all products, a series of pre-defined checks are carried out on the MPH an Number of products with errors: 0	Attitude correction missing Echo error Echo error Evel 2 FDM Data Quality ensure it consists of both an XML header	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo Check file (.HDR) and a binary product file (.DBL)
6.1 L2 FDM Product Format Check Each product, retrieved and unpacked from the science server, is checked to end to be a server of products with errors: 0 6.2 L2 FDM Product Header Analysis For all products, a series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the MPH and the series of pre-defined checks are carried out on the series of pre-defined checks are carried out on the series of pre-defined checks are carried out on the series of pre-defined checks are carried out on the series of pre-defined checks are carried out on the series of pre-defined checks are carried out on the series of pre-defined checks are carried out on the series of pre-defined checks are carried out on the series of pre-defined checks are carries of pre-defined checks are carries of pre-defined checks are c	Attitude correction missing Echo error Echo error Evel 2 FDM Data Quality ensure it consists of both an XML header d SPH in order to identify any inconsisten	The attitude has not been corrected The Echo Rx1 Error flag is set, indicating a degraded raw echo The Echo Rx1 Error flag is set, indicating a degraded raw echo Check file (.HDR) and a binary product file (.DBL) cies and/or errors raised by the processing chain.

6.4 L2 FDM Correction Error Flags

Each product is checked to detect auxiliary corrections flagged by the ground-station processing chain as missing or containing errors.

0

Number of products with errors:

6.5 L2 FDM Measurement Confidence Flags

CryoSat L2 data includes a quality flag word (field 8) for each 20-Hz measurement record. The bit value of this flag is an assessment of the measurement quality by the processing chain.

Attitude Correction Missing: In Baseline-C all FDM products are missing Attitude Correction as star tracker data are not available in time for processing. This is a known issue and will be fixed in future releases.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150605T032816_20150605T032847_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150605T050235_20150605T050453_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150605T064110_20150605T064238_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150605T093035_20150605T100438_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_FDM_220150605T115829_20150605T121607_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo
CS_OFFL_SIR_FDM_220150605T151506_20150605T152150_C001	Echo error	The Echo Rx1 Error flag is set, indicating a degraded raw echo

6.6 L2 FDM Range Measurement Flags

Each product is checked to detect range measurements flagged by the processing chain as missing or containing errors.

1

6

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_FDM_220150605T153214_20150605T155125_C001	5 J	The master fail flag is set by the OCOG call, for one or more records, indicating the values stored in fields #18, #19, #20 and #21 should be ignored for these records.

6.7 L2 FDM SWH and Backscatter Measurement Flags

Each product is checked to detect parameters related to SWH and sigma0 that are flagged by the processing chain as missing or containing errors. Number of products with errors: 0

6.8 L2 FDM Geophysical Measurement Flags

Each product is checked to detect geophysical measurements flagged by the processing chain as missing or containing errors.

2

Number of products with errors. 2				
Product	Test Failed	Description		
CS_OFFL_SIR_FDM_220150605T153214_20150605T155125_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.		
CS_OFFL_SIR_FDM_220150605T202206_20150605T204907_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag is set indicating the CFI Ocean Retracker was not successfully executed for one or more records.		

 7. QCC Check

 The QCC is a CryoSat facility that 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_FDM_1B
 143
 0
 0
 0
 0

SIR_FDM_2	141	0	0	0	0
7.1 QCC Errors					
Number of QCC reports with errors:	0				
7.2 Missing QCC Reports					
Number of products with missing QCC re	ports: All				