

IDEAS Daily Report for IOP data:

<u>16/05/2014</u>



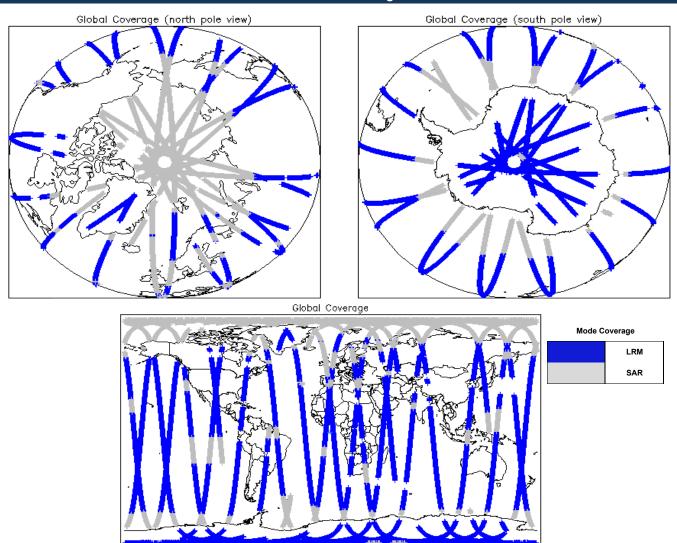
1. Overview			
Demost Dreduction Date:	20 May 2014	Check	Status
Report Production Date:	20-May-2014	Server check: science-pds.cryosat.esa.int	Nominal
Data Used:	Intermediate Ocean Products (IOP)	Server check: calval-pds.cryosat.esa.int	Nominal
	L1B and L2 Science Data	Product Software Check	Fail
		Product Format Check	Nominal
		Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	Nominal
		Auxiliary Correction Error Check	Nominal
		Measurement Confidence Data Check	See Section 4.6, 5.5 and 5.6

Mission / Instrument News 15-May-2014 None

16-May-2014 SIRAL unavailability on 16-May-2014 from 08:06:14 to 10:03:32 due to a planned orbit manoeuvre.

17-May-2014 Nothing planned

2. Global Coverage



3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

4. IOP 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 binary product file (.DBL).

Number of products with errors:

4.2 L1B Product Header Analysis

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

Number of products with errors:

0

	e Check
Each product is checked for missing Data Set I	Descriptors with repsect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.
Number of products with errors:	0
4.4 L1B Auxiliary Correction Err	or Check
Each product is checked to detect auxiliary corr	ections flagged by the ground-station processing chain as missing or containing errors.
Number of products with errors:	0
4.5 L1B Measurement Confiden	ce Data Check
CryoSat L1B data includes a measurement cor	fidence flag (field 12) for each measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:	0
4.6 L1B Waveform Group Data	Check
CryoSat L1B data includes a waveform data fla	g (field 65) for each measurement record. The bit value of this flag indicates any problems when set.
Loss of Echo Flag: This flag is currently set fo	r a large number of products over land, indicating that the tracking echo is missing.
Number of products with errors:	30
	5. IOP 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 binary product file (.DBL)
Number of products with errors:	0
5.2 L2 Product Header Analysis	
For all products, a series of pre-defined checks	are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors:	0
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:	0
5.4 L2 Measurement Confidence	a Data Check
CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement record. The bit value of this flag is an assessment of the measurement quality by the processing chains.
Number of products with errors:	0
5.5 L2 Range Measurement Che	ck
Each product is checked to detect range measure	rements flagged by the processing chain as missing or containing errors.
Ocean Range Averaging Status Flag: This fla	ig is currently set for products over land and sea ice, but this is to be expected.
Ico Bango Avoraging Status Elag: This flag is	currently set for some products over land and continental ice.
ice Range Averaging Status Flag. This hag is	
Number of products with errors:	186

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for some products over land and continental ice. 165

Number of products with errors: