

IDEAS+ Daily Report for IOP data:

<u>15/07/2014</u>



CRYDSAT			
		1. Overview	
	· · · · · · · · · · · · · · · · · · ·		
eport Production Date:	17-Jul-2014	Check	Status
		Server check: science-pds.cryosat.esa.int	Nominal
Data Used:	Intermediate Ocean Products (IOP) L1B and L2 Science Data	Server check: calval-pds.cryosat.esa.int Product Software Check	Nominal Nominal
	ETD and EZ OUCHOC Data	Product Software Check 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 4.5, 4.6, 5.5 and 5.6
sion / Instrument News			
I-Jul-2014 None			
5-Jul-2014 None 6-Jul-2014 Nothing planned			
-Jui-2014 Nothing planned			
		2. Global Coverage	
Global	Coverage (north pole view)	Global Cover	age (south pole view)
-			
│ ∕ <b>∧</b>	/ N - A 🔊		
	King Ving / PA	.	
🚣 _ 🎤	' ECT 7/~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	$A \mid   / $	
A Carter	2 . m.	🙈     🖌 🛝 🤳	
/ r	<`\ II X. 🦊	T 🔨 📔 🖉 🕹 🔪 👘	
/ 54	15°	/ <b>-/</b> ∕ ∖ ∕	
1 - MrD.	a		
1.58	2 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	<b>Fara</b> l ( 188)	
	E Sti		3
<u>}</u>	bort i		
Control & C	vor a	<b>—1</b> [ ] ]	
le o 5 - )	1 🗾 🕹 🚬 🕄 🚬 🖞		
11 200 25		7	
	Je Je		
1 VI him			
	to 19		
		~   <b>~ /</b> "	
	5 3 5 5 Cm		
│			
L		Global Coverage	
		AJ PRACE	Mode Coverage
	125 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Contraction of the second s	LRM
		T     💥 🗛 🗛 🗛 🗛	
			SAR SAR
		THE DE TRACE	111
			1.11
	<b>I R R R . T</b>		. V
	-   <b>\   \   \   \   \   \</b>		
			₩ <b>1</b>
			R //R
		and the second s	
			ter-
		an construction of the state of	<b></b>
		Instrument Configuration	
SIRAL INSTRUMENT CONFIGURATI	ion for the day of acquisition is provided below.		
SIRAL instrument(s) in u	use: SIRAL - A		
	4. IOP	Level 1B Data Quality Check	
L1B Product Form	at Check		
h product, retrieved and unpa	acked from the science server, is checked to ens	sure it consists of both an XML header file (.HDR) and a binary	product file (.DBL).
nber of products with errors		· · · · · · ·	
and a producto man offore			

## 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.

Each product is checked for missing Data Set Descriptors with repsect to a provide the products with errors: 0	e-determined baseline and also to ch	eck the validity of Auxiliary Data Files is correct.
4.4 L1B Auxiliary Correction Error Check		
Each product is checked to detect auxiliary corrections flagged by the ground-	station processing chain as missing of	or containing errors.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 12) for each	measurement record. The bit value of	f this flag indicates any problems when set.
Number of products with errors: 5		
Product	Test Failed	Description
CS_OFFL_SIR_IOP_1B_20140715T060834_20140715T061417_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140715T071641_20140715T073356_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140715T153423_20140715T155325_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140715T174907_20140715T175212_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
CS_OFFL_SIR_IOP_1B_20140715T222556_20140715T222734_B001	Power scaling error	There has been an error in the scaling of the L1B waveform
4.6 L1B Waveform Group Data Check		
CryoSat L1B data includes a waveform data flag (field 65) for each measurem	nent record. The bit value of this flag i	ndicates any problems when set.
Loss of Echo Flag: This flag is currently set for a large number of products or	ver land indicating that the tracking a	echo is missing
	ver land, indicating that the tracking t	iono lo micolity.
Number of products with errors: 40		
5. <mark>I</mark> C	OP Level 2 Data Quali	ty Check
5 1   2 Product Format Check		
Each product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML he	
Each product, retrieved and unpacked from the science server, is checked to	ensure it consists of both an XML he	
5.1 L2 Product Format Check         Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:         0         5.2 L2 Product Header Analysis	ensure it consists of both an XML he	
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors: 0 5.2 L2 Product Header Analysis		ader file (.HDR) and a binary product file (.DBL)
Each product, retrieved and unpacked from the science server, is checked to a 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 an		ader file (.HDR) and a binary product file (.DBL)
Each product, retrieved and unpacked from the science server, is checked to a 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 an Number of products with errors: 0		ader file (.HDR) and a binary product file (.DBL)
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:       0         5.2 L2 Product Header Analysis       0         For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check       0	d SPH in order to identify any incons	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:       0         5.2 L2 Product Header Analysis       0         For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check       0	d SPH in order to identify any incons	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain.
Each product, retrieved and unpacked from the science server, is checked to a 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 an 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-	d SPH in order to identify any incons	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:  5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an 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 Number of products with errors:  0	d SPH in order to identify any incons	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:       0         5.2 L2 Product Header Analysis       0         For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check       0         Each product is checked for missing Data Set Descriptors with respect to a product of products with errors:       0         5.4 L2 Measurement Confidence Data Check       0	d SPH in order to identify any incons e-determined baseline and also to ch	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a 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 an 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 Number of products with errors: 0 5.4 L2 Measurement Confidence Data Check CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement	d SPH in order to identify any incons e-determined baseline and also to ch	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:  5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an 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 Number of products with errors:  0 5.4 L2 Measurement Confidence Data Check CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement Number of products with errors:  0	d SPH in order to identify any incons e-determined baseline and also to ch	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:  5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH an 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 Number of products with errors:  0 5.4 L2 Measurement Confidence Data Check CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement Number of products with errors:  0 5.5 L2 Range Measurement Check	d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a 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 an 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 Number of products with errors: 0 5.4 L2 Measurement Confidence Data Check CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement Number of products with errors: 0 5.5 L2 Range Measurement Check Each product is checked to detect range measurements flagged by the proces	d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a ssing chain as missing or containing o	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:       0         5.2 L2 Product Header Analysis       0         For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check       0         Each product is checked for missing Data Set Descriptors with respect to a providence of products with errors:       0         5.4 L2 Measurement Confidence Data Check       CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement	d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a ssing chain as missing or containing o	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:       0         5.2 L2 Product Header Analysis       0         For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check       0         Each product is checked for missing Data Set Descriptors with respect to a pronumber of products with errors:       0         5.4 L2 Measurement Confidence Data Check       0         CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement Number of products with errors:       0         5.5 L2 Range Measurement Check       0         Each product is checked to detect range measurements flagged by the process Ocean Range Averaging Status Flag: This flag is currently set for products of the products of the products of the product is checked to detect range measurements flagged by the products of the products of the products of the products of the product is checked to detect range measurements flagged by the process Ocean Range Averaging Status Flag: This flag is currently set for products of the products of	d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a ssing chain as missing or containing o over land and sea ice, but this is to be	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:       0         5.2 L2 Product Header Analysis	d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a ssing chain as missing or containing o over land and sea ice, but this is to be	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:       0         5.2 L2 Product Header Analysis       0         For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check       0         5.4 L2 Measurement Confidence Data Check       0         5.4 L2 Measurement Confidence Data Check       0         5.5 L2 Range Measurement Check       0         5.5 L2 Range Measurement Check       0         5.5 L2 Range Measurement Check       0         CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement Number of products with errors:       0         5.5 L2 Range Measurement Check       0         5.6 L2 Range Measurement Check       0         CryoSat L2 data includes a quality flag: (field 14) for each 20-Hz measurement Number of products with errors:       0         5.5 L2 Range Measurement Check       0         Each product is checked to detect range measurements flagged by the process Ocean Range Averaging Status Flag: This flag is currently set for products of the Range Averaging Status Flag: This flag is currently set for some product Number of products with errors:       209	d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a ssing chain as missing or containing o over land and sea ice, but this is to be	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:       0         5.2 L2 Product Header Analysis	d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a ssing chain as missing or containing o over land and sea ice, but this is to be	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors:       0         5.2 L2 Product Header Analysis       0         For all products, a series of pre-defined checks are performed on the MPH an Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check       0         Each product is checked for missing Data Set Descriptors with respect to a pronounce of products with errors:       0         5.4 L2 Measurement Confidence Data Check       0         CryoSat L2 data includes a quality flag (field 14) for each 20-Hz measurement Number of products with errors:       0         5.5 L2 Range Measurement Check       0         Each product is checked to detect range measurements flagged by the process       0         Crean Range Averaging Status Flag: This flag is currently set for products of the Range Averaging Status Flag: This flag is currently set for some product Number of products with errors:       209	d SPH in order to identify any incons e-determined baseline and also to ch t record. The bit value of this flag is a ssing chain as missing or containing o over land and sea ice, but this is to be ts over land and continental ice.	ader file (.HDR) and a binary product file (.DBL) stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct. n assessment of the measurement quality by the processing chains. errors. e expected.

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. 186

Number of products with errors: