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SIRAL instrument configuration for the da	y of acquisition is prov
L instrument(s) in use:	SIRAL - A
ar Tracker(s) in use: Sta	r Tracker 1
L1 Product Format Check	
product, retrieved and unpacked from the	e science server, is c
ber of products with errors:	0
L1B Product Header Analys	is
Il products, a series of pre-defined checks	s are carried out on t
per of products with errors:	0
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L1B Auxilary Data File Usaç	је спеск
product is checked for missing Data Set	Descriptors wrt a pre-
ber of products with errors:	0
L1B Flagged Auxiliary Corr	ection Error Ch
product is checked to spot auxiliary corre	ections flagged by the
ber of products with errors:	4
uct	
DFFL_SIR_LRM_1B_20130116T054526 DFFL_SIR_LRM_1B_20130116T115842	20130116T120417_E
DFFL_SIR_SAR_1B_20130116T175454_ DFFL_SIR_SIN_1B_20130115T235001_2	
L1B Measurement Confider	ice Data Check
Sat L1B data includes a measurement co	nfidence flag word (
ber of products with errors:	2
u <mark>ct</mark> )FFL_SIR_LRM_1B_20130116T185527_	_20130116T191104_
DFFL_SIR_SAR_1B_20130116T191104_	20130116T191306_
L2 Product Format Check	
product, retrieved and unpacked from the	e science server, is cl
per of products with errors:	0
L2 Product Header Analysis	
,	
Il products, a series of pre-defined check	
ber of products with errors:	0
L2 Auxiliary Data File Usage	e Check
product is checked for missing Data Set	Descriptors wrt a pre-
ber of products with errors:	1
uct	
DFFL_SIR_GDR_2A_20130115T232224	_20130116T010137_E
1.2 Elagood Auxilians Come	tion Error Cha
L2 Flagged Auxiliary Correc	
product is checked to spot auxiliary corre	
ber of products with errors:	4
u <mark>ct</mark> DFFL_SIR_LRM_220130116T054526_	20130116T061602 E
DFFL_SIR_LRM_220130116T115842_ DFFL_SIR_SAR_2A_20130116T175454_	
DFFL_SIR_SIN_2_20130115T235001_2	

## 5.5 L2 Measurement Quality Flag Check

CryoSat L2 data includes a quality flag word (field 43) for each 20-Hz measurement record. The bit value of this flag is an assessment of the measurement quality by the ground-segment processing chains

Presently, there are several common data Quality Flag errors raised by the Level 2 products which are either expected due to changes made to the IPF processor in Baseline B or else are due to known issues with the data processors. The investigation of the known issues are on-going and are due to be resolved with the next update of the Level 2 processors. All common known issues are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

Freeboard Error: This Quality Flag is correctly set in all products as this parameter is currently not provided in the L2 products and the Freeboard value is presently set to the default value of -9999

SARin x-track angle error: Currently there is an on-going investigation into the high number of errors from the 'SARIn x-track Error' Quality Flag over Antarctica.

Height error and Backscatter error: It has been noted that the number of errors arising from the 'Backscatter Error' and 'Height Error' Quality Flag is much higher than expected over land areas and this is currently part of an on-going investigation by expert teams.

### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_SAR_2A_20130116T205008_20130116T205701_B001	Peakiness error	There is an error in the peakiness derivation

6. 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.

Nb. There is currently a discrepancy between the number of QCC reports and the number of products reported. This is a known issue and investigation is on-going.

Product type	Nb. Products	Nb. QCC Reports	Nb. Valid	Nb. Warnings	Nb. Errors
SIR_GDR_2A	16	14	0	14	0
SIR_LRM_1B	161	162	120	42	0
SIR_LRM_2	160	160	0	160	0
SIR_SAR_1B	160	160	0	160	0
SIR_SAR_2A	113	113	3	110	0
SIR_SIN_1B	116	115	0	115	0
SIR_SIN_2	114	112	0	112	0

#### 6.1 QCC Errors

Number of products with QCC errors:

# 6.2 Missing QCC Reports

## Number of products with missing QCC reports:

Product name

CS\_OFFL\_SIR\_GDR\_2A\_20130115T232224\_20130116T010137\_B001 CS\_OFFL\_SIR\_SIN\_1B\_20130115T235001\_20130116T000109\_B001 CS\_OFFL\_SIR\_SIN\_2\_20130115T235001\_20130116T000108\_B001 CS\_OFFL\_SIR\_SIN\_2\_20130116T075915\_20130116T080128\_B001

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