

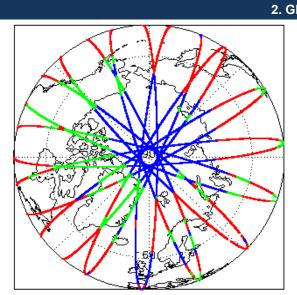
QA4EO Daily Report for OFFLINE data:

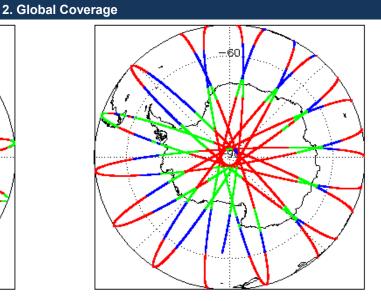
26/08/2020

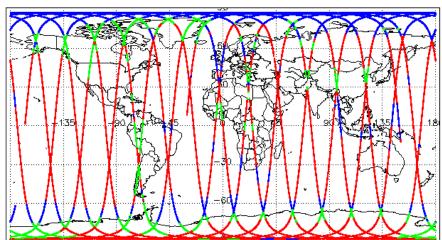
1. Overview

Demant Dreduction Deter	25 6 - 2020	Check	Status	
Report Production Date:	25-Sep-2020	Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	CrueSet les Bressesser	Server check: calval-pds.cryosat.esa.int	Nominal	
Processor used.	CryoSat Ice Processor	Product Software Check	Nominal	
Data Used:	L1B and L2 OFFLINE Data	Product Format Check	Nominal	
Data Used:	LID and LZ OFFLINE Data	Product Header Analysis	Nominal	
		Star Tracker Usage Check	Nominal	
		L1B Tracking Flag Check	See Section 4.4	
		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 4.8 and 5.5	
		QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3	

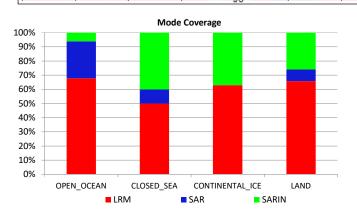
Mission / Instru	iment News
25-Aug-2020	Unavailability 07:47:09 to 08:10:12
26-Aug-2020	None
27-Aug-2020	Nothing planned

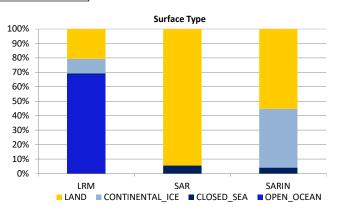












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

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. 0

Number of products with errors:

4.4 L1B Tracking Flags Check

CryoSat L1B data includes a tracking flag for each measurement record. The bit value of this flag indicates any problems when set.

Loss of Echo Flag: This flag is currently set for some products over land, but this is to be expected.

89

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200825T234612_20200826T000007_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T000726_20200826T001625_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T001628_20200826T001637_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T001639_20200826T002156_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T005344_20200826T005453_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T005455_20200826T010747_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T011536_20200826T011738_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T012508_20200826T013955_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T014156_20200826T015119_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T015400_20200826T015415_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T015417_20200826T020134_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T021158_20200826T023024_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T023724_20200826T023926_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T023930_20200826T023932_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T023936_20200826T024045_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T032718_20200826T032850_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T033226_20200826T033300_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T033303_20200826T033311_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T033313_20200826T033314_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T033326_20200826T033339_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T033341_20200826T033350_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T033353_20200826T033401_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T033405_20200826T034116_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T035334_20200826T040630_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T040632_20200826T042846_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T043456_20200826T044028_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T051216_20200826T051725_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T051845_20200826T051855_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T053159_20200826T053246_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T053947_20200826T053956_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T053959_20200826T053959_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T054007_20200826T054024_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T054028_20200826T060734_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T062350_20200826T065120_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T065122_20200826T065123_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T065128_20200826T065407_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T065440_20200826T070137_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T081013_20200826T081802_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T081926_20200826T082439_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T083009_20200826T083117_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T083207_20200826T083351_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SRL_RM_18_2000000110259_20000000110075_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_200000001100252_20000000110075_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_200000001100252_20000000110052_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_200000001100252_200000001110152_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_20000000110222_200000001110152_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_200000001102722_2000000201110221_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_20000000112224_200000001112220_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_20000000112244_200000000112424_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_200000001131352_000001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_200000001131352_00001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_200000001131352_0000020013131352_0001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SRL_RM_18_200000001144220_2000000011 Loss of exho The tracking exho is missing for one or more records
CS_OFFL_SIR_LEM_18_200028251100745_20208251100745_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_200028251100282_20208251100120_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_2000282110229_20008251110027_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_2000282110277_20200826112220_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_2000282110277_20200826112220_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_2000282112272_2020051112222_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_2000282112284_20200826112284_02000826112284_02000826112284_02000826112284_02000826112845_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20000826112849_00001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20000826114737_20000827113533_00001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20000826114747_20001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20000827114743_20000827114743_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20000827114743_20000827114743_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LEM_18_20000827114743_20000827114743_20000827114743_0001Loss of echoThe tracking echo is missing for one or more records<
CS_OFF_SIR_LRM_18_2020026T10023_2020026T101004_D001Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T102018_200026T101042_D001Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T102102_200026T101042_D001Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T12077_2020087T12222_D001Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T12077_2020087T12224_D001Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T12270_2020087T12315_001Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T123154_020082T132150_0010Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T132154_020082T133159_0001Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T132154_020026T134315_00010Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T134712_00026T134358_0001Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T144712_020028T14575_0001Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020026T14578_020028T15381_0011Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020028T14578_020028T15381_0011Loss of eachThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_2020028T15380_2020028T15381_0011Loss of each
CS_OFFL_SR_LRM_18_20200267102318_20200825110510_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_202002671102312_20200825111067_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20200267112310_20200825111262_20001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20200267112310_20200825112220_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_2020026712230_20200251122310_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20200267131330_2020026112316_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20200267131733_02002082113159_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20200267131733_02002082113330_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_2020026714422_2020028714423_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_2020026714422_2020028714423_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_2020026714423_2020028714423_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_2020026714423_2020028714534_0001 Loss of echo The tracking echo is missing for one or mo
CS_OFFL_SRL_RM_18_20200267110522_20200827111031_00000267111057_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_20200827112073_20200827112222_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_20200827112073_20200827112222_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_202008271122154_202008271122310_0011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_202008271123154_20200827113310_00011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_202008271133119_200011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_202008271133019_002011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_20200827113302_000011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_20200827114073_20200827114073_00011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_20200827114073_20200827115034_00011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18_20200827116034_20200827115034_00011 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SRL_RM_18
CS_OFF_SIR_IRM_18_2020082f111301_2020082f1112220_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_IRM_18_2020082f112270_2020082f112220_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_IRM_18_2020082f112270_2020082f112280_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_IRM_18_2020082f112280_2020082f112316_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_IRM_18_2020082f113019_2020082f113019_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_IRM_18_2020082f113019_2020082f113019_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_IRM_18_2020082f114023_2020082f14423_2020082f14423_2020082f14423_2020082f14423_2020082f14423_2020082f14423_2020082f14423_2020082f14423_2020082f14423_2020082f14453_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_IRM_18_2020082f116243_2020082f116350_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_IRM_18_2020082f116353_200002f116350_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_URM_18_2020082f116353_200002f116353_0001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_URM_18_2020082f116353_200002f116354_0001
CS_OFFL_SIR_LRM_1B_20200221120737_20200626T122210_0001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200226T122164_20200826T123116_10001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200226T122164_20200826T131516_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200226T132164_20200826T131516_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200226T13211_20200826T133300_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200282T13371_20200826T14371_0200082T14373_20001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200282T14223_20200826T14438_2001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200828T14373_20200826T143432_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200828T145332_20200826T15345_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200828T16323_20200826T153430_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200828T15359_20200826T153451_D001 Loss of echo
CS_OFFL_SIR_LRM_1B_20200226112234_20200267112384_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226112314_202002671133506_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226113733_202002671133506_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226113733_202002671133506_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020022611373_20200267113506_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226114712_2000267114523_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226114723_20200287114723_2000287114732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226114723_20200287114732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226114573_02000287114575_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226115034_20200287115384_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226115034_20200287115384_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226115034_20200287115384_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200226115034_20200287116315_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020022
CS_OFFL_SIR_LRM_18_20200826T12824_20200826T123116_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T132116_20200826T13519_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T131733_20200826T131730_2020826T133500_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T131733_20200826T133500_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T134712_20200826T134712_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T144723_20200826T144732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T144732_20200826T144732_D0004Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T150234_20200826T145732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T150234_20200826T150340_2000826T150340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T150340_20200826T150340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T150340_20200826T150340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T150340_20200826T150340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T161500_20200826T150340_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200826T123154_20200826T1123159_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T133219_20200826T133509_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T131733_20200826T133509_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T135059_2000826T135059_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T14723_20001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T144732_20200826T14573_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T144732_20200826T14573_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T152543_20200826T153545_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153543_20200826T153543_0D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153543_20200826T153645_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153815_20200826T153815_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153816_20200826T154059_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T154021_20200826T154059_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T1652
CS_OFFL_SIR_LRM_18_20200826T133519_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T13373_20200826T133530_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T134731_20200826T134731_20200826T134731_20200826T134731_20200826T144732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T144732_20200826T144732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T144732_20200826T144732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T144732_20200826T145757_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T145734_20200826T145737_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153054_20200826T153054_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153054_20200826T153053_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153051_20200826T153053_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153051_20200826T154058_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T156212_20200826T156313_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T156312_00020826T156314_0001Loss of echoThe tracking echo is missing for one or more records </td
CS_OFFL_SIR_LRM_1B_20200826T131733_20200826T135334_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T134711_20200826T144732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T14222_0200826T144232_D000826T144329_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T144732_20200826T144732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T145732_20200826T145757_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T152543_20200826T155349_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T152543_20200826T153430_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153804_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153816_0200826T153804_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T163816_0200826T163804_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T163816_0200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164012_2000826T164017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164021_2000826T16407_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200
CS_OFFL_SIR_LRM_1B_20200826T134711_0200826T135334_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T144232_20200826T144439_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T144232_20200826T144439_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T144732_20200826T145126_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T15383_20200826T153840_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153843_20200826T153840_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153843_20200826T153840_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153843_20200826T153843_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153816_20200826T153843_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153816_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164012_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164012_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164012_20200826T1640112_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_
CS_OFFL_SIR_LRM_1B_20200826T135656_20200826T144732_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T144223_20200826T144532_D001826T145126_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T145638_20200826T145757_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T150234_20200826T150345_D0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T15303_20200826T15330_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153807_20200826T153801_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153807_2020826T154058_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T15407_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164021_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T165229_2020826T165314_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17055_02200826T17655_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17055_02200826T17655_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17081_20200826T17055_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SI
CS_OFFL_SIR_LRM_16_20200826T144222_20200826T144222_20200826T144326_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_16_20200826T1453638_20200826T145757_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T150234_20200826T150345_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T15243_20200826T15340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153576_20200826T15340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153807_20200826T15380_20200826T153813_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153807_20200826T153813_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153816_20200826T153813_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T165316_20200826T165310_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T165012_20200826T165314_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T170550_2020826T170651_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T170541_20200826T174050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T174054_20200826T174050_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200826T144732_20200826T145126_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T150234_20200826T155045_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T152543_20200826T153430_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153807_20200826T153804_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153807_20200826T153804_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153807_20200826T153804_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T153807_20200826T153805_2001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T161750_20200826T164051_20200826T164051_20200826T164051_20200826T164051_20200826T164051_20200826T164051_20200826T16501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T165229_20200826T16514_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T17055_20200826T17055_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T1703_20200826T17055_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T17054_20200826T174525_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20200826T18444_20200826T185240_D001Loss of echo <t< td=""></t<>
CS_OFFL_SIR_LRM_1B_2020826T145638_2020826T1456737_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T150234_2020826T150945_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T152543_2020826T15340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T153759_2020826T153810_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T153816_2020826T153813_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T163807_2020826T154058_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T161750_2020826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T164021_2020826T165107_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T170550_2020826T170651_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T170814_2020826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T171703_2020826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T171703_2020826T171252_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T174933_2020826T176259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2020826T18424_2020826T
ICS_OFFL_SIR_LRM_1B_20200826T150234_2020826T150345_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T152543_2020826T153840_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T15379_2020826T153804_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153807_2020826T153813_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153816_20200826T154058_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T16470_2020826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164021_20200826T16501_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T16550_20200826T1651100101Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17055_02020826T171051_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T1703_20200826T17650_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17493_20200826T175259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184342_20200826T18524_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184342_20200826T18524_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185
CS_OFFL_SIR_LRM_1B_20200826T152543_20200826T153430_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153807_20200826T153803_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153816_20200826T153813_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153816_20200826T154058_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T165016_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164012_20200826T165107_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T165022_20200826T16514_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170550_20200826T170551_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17050_20200826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T1703_20200826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17433_20200826T176559_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185204_20001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185204_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_
CS_OFFL_SIR_LRM_1B_20200826T153759_20200826T153804_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153807_20200826T153813_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153816_20200826T154058_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T16150_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164021_20200826T165017_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T165229_20200826T1651314_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170550_20200826T170551_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17051_20200826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T1770314_20200826T174050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T177031_20200826T175259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184434_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM
CS_OFFL_SIR_LRM_1B_20200826T153817_20200826T153813_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T153816_20200826T154058_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T161750_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164021_20200826T165107_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T165229_20200826T16514_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170550_20200826T16511_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170550_20200826T170551_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17031_20200826T17050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T174933_20200826T174950_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184434_20200826T184434_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185242_0000826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_2
CS_OFFL_SIR_LRM_1B_20200826T153816_20200826T154058_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T161750_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164021_20200826T165107_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T165229_20200826T165314_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170550_20200826T170551_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170550_20200826T170551_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170814_20200826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17703_20200826T174050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184342_20200826T184942_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_
CS_OFFL_SIR_LRM_1B_20200826T161750_20200826T164018_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T164021_20200826T165107_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T165229_20200826T165314_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170550_20200826T170651_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170814_20200826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17103_20200826T174050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T174933_20200826T175259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184343_20200826T184942_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185242_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185242_20200826T185342_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185342_20200826T185342_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185342_20200826T185342_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_
CS_OFFL_SIR_LRM_1B_20200826T164021_20200826T16510T_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T165229_20200826T165314_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170550_20200826T170651_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170814_20200826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17103_20200826T174050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T174933_20200826T175259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184434_20200826T184942_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_
CS_OFFL_SIR_LRM_1B_20200826T165229_20200826T165314_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170550_20200826T170651_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170814_20200826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17703_2020826T174050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T174933_20200826T175259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184434_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185324_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T170550_20200826T170651_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T170814_20200826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17103_20200826T174050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T174933_20200826T175259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184434_20200826T18529_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T170814_20200826T171251_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T17103_20200826T174050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T174933_20200826T175259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184434_20200826T184942_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185324_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T171703_20200826T174050_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T174933_20200826T175259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184434_20200826T184942_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185324_20200826T18534_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T174933_20200826T175259_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T184434_20200826T184942_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185324_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T184434_20200826T184942_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T185202_20200826T185240_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T185244_20200826T185320_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T185322_20200826T185354_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T185357_20200826T191340_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T192402_20200826T193207_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T202400_20200826T202450_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T202728_20200826T203100_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T203118_20200826T203158_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T203737_20200826T204243_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T204409_20200826T204930_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T211601_20200826T213705_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T213951_20200826T215124_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T220906_20200826T220943_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T221041_20200826T221220_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T221254_20200826T221747_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T224504_20200826T224757_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200826T232250_20200826T233137_D001 Loss of echo The tracking echo is missing for one or more records

4.5 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:

4.6 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:
0

4.7 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:

4.8 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 test.

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		
Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200826T035334_20200826T040630_D001	IE cho error I RK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200826T120737_20200826T122220_D001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200826T122702_20200826T122821_D001	IE cho error I RK echo error	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200826T152543_20200826T153430_D001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200826T164021_20200826T165107_D001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

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: 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

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.

61

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200825T234612_20200826T000007_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T000128_20200826T000246_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T000726_20200826T001625_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T001639_20200826T002156_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200826T003407_20200826T005212_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T005455_20200826T010747_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T012508_20200826T013955_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200826T014156_20200826T015119_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200826T021158_20200826T023024_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200826T023724_20200826T023926_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

CS_OFFL_SIR_LRM_220200826T023936_20200826T024045_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200826T030448_20200826T031904_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T035334_20200826T040630_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T040632_20200826T042846_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T044509_20200826T050813_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T052132_20200826T052140_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T054028_20200826T060734_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200826T062350_20200826T065120_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T065440_20200826T070137_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T071402_20200826T074524_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T080253_20200826T080657_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T083801_20200826T084049_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T085249_20200826T090804_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	There is a height and backscatter error for Retracker 2 , a height error for Retracker 3 and no DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200826T094330_20200826T095935_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T102918_20200826T105150_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T105223_20200826T110423_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T112201_20200826T115540_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T120737_20200826T122220_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200826T122702_20200826T122821_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T122824_20200826T123116_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T123154_20200826T124358_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T130219_20200826T131519_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T131733_20200826T133509_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
	Height Error (Retracker 2), Height Error	There is a height and backscatter error for Retracker 2 , a height error for Retracker 3 and no DEM or Slope Model was used for the location of one
CS_OFFL_SIR_LRM_220200826T135656_20200826T140723_D001	(Retracker 3), Backscatter Error (Retracker 2), Surface model unavailable	or more records
CS_OFFL_SIR_LRM_220200826T135656_20200826T140723_D001 CS_OFFL_SIR_LRM_220200826T140902_20200826T142253_D001		or more records There is a height and backscatter error for Retracker 2 for one or more records
	(Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220200826T140902_20200826T142253_D001	(Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter 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 and a height error
CS_OFFL_SIR_LRM_220200826T140902_20200826T142253_D001 CS_OFFL_SIR_LRM_220200826T144732_20200826T145126_D001	(Retracker 2), Surface model unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter 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 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error

CS_OFFL_SIR_LRM_220200826T151107_20200826T151317_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T152543_20200826T153430_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200826T154124_20200826T160127_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200826T161750_20200826T164018_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T170550_20200826T170651_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T171703_20200826T174050_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T175643_20200826T182843_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T184240_20200826T184313_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T184434_20200826T184942_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T185357_20200826T191340_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T191551_20200826T192009_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T193727_20200826T200923_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T202122_20200826T202342_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T205240_20200826T205758_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T211601_20200826T213705_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T213951_20200826T215124_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200826T220038_20200826T220526_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T222038_20200826T222601_D001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_220200826T222748_20200826T223753_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T225524_20200826T232111_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T232250_20200826T233137_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T234411_20200826T235102_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
CS_OFFL_SIR_LRM_220200826T235116_20200827T001535_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

6. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility 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	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	147	147	147	0	0
SIR_SAR_1B	95	95	95	0	0
SIR_SIN_1B	103	103	103	0	0
SIR_LRM_2	147	147	144	3	0
SIR_SAR_2	103	95	95	0	0
SIR_SIN_2	95	103	101	2	0
SIR_GDR_2	15	15	0	0	15

Number of products with QCC errors:

15

Product Type	MPHDUTNCDF	MPHXPFNCDF	MPHXVFNCDF	MPHYPFNCDF	MPHYVFNCDF	MPHZPFNCDF	MPHZVFNCDF	STRUCTURESIZ EANDREAD	-	-	-
SIR_GDR_2_	15	15	15	15	15	15	15	15			
											·
Test Descriptio	n Key:										
Abbreviation	Test na	me		Details							
MPHDUTNCDF	MPH_De	elta_UT1_NetCDF		Delta_UT1 mismat	ch						
MPHXPFNCDF	MPH_X_	Position_Float_v2_	NetCDF	X_Position mismat	tch (DBL float (GDF	R), rounded to 100)					
MPHXVFNCDF	MPH_X_	Velocity_Float_v2_	NetCDF	X_Velocity mismat	ch (DBL float (GDF	R), rounded to 1)					
MPHYPFNCDF	MPH_Y_	Position_Float_v2_	NetCDF	Y_Position mismat	ch (DBL float (GDF	R), rounded to 100)					
MPHYVFNCDF	MPH_Y_	Velocity_Float_v2_	NetCDF	Y_Velocity mismat	ch (DBL float (GDF	R), rounded to 1)					
MPHZPFNCDF	MPH_Z_	Position_Float_v2_	NetCDF	Z_Position mismat	ch (DBL float (GDF	R), rounded to 100)					
MPHZVFNCDF	MPH_Z_	Velocity_Float_v2_	NetCDF	Z_Velocity mismat	ch (DBL float (GDF	R), rounded to 1)					
STRUCTURESIZ	EANDESTRUCT	URE SIZE AND I	READ	Under investigation	n.						

6.2 QCC Warnings

Product Type	AXDME	AXSMMEOCI	-	-	-	-	-	
SIR_GDR_2_	0	1						
SIR_LRM_2_	0	3						
Test Description Key								
Abbreviation	Test name			Details				
AXDME	AttributeXrefDemN	lustExist		The xref_der	The xref_dem attribute is mandatory in SIN products over continental ice			
AXSMMEOCI	AttributeXrefSlope	ModelMustExistOverContinen	tallce	The xref_slop	The xref_slope_model is mandatory in LRM products over continental ice			

Product name CS_OFFL_SIR_GDR_2_20200826T231211_20200827T005125_D002