



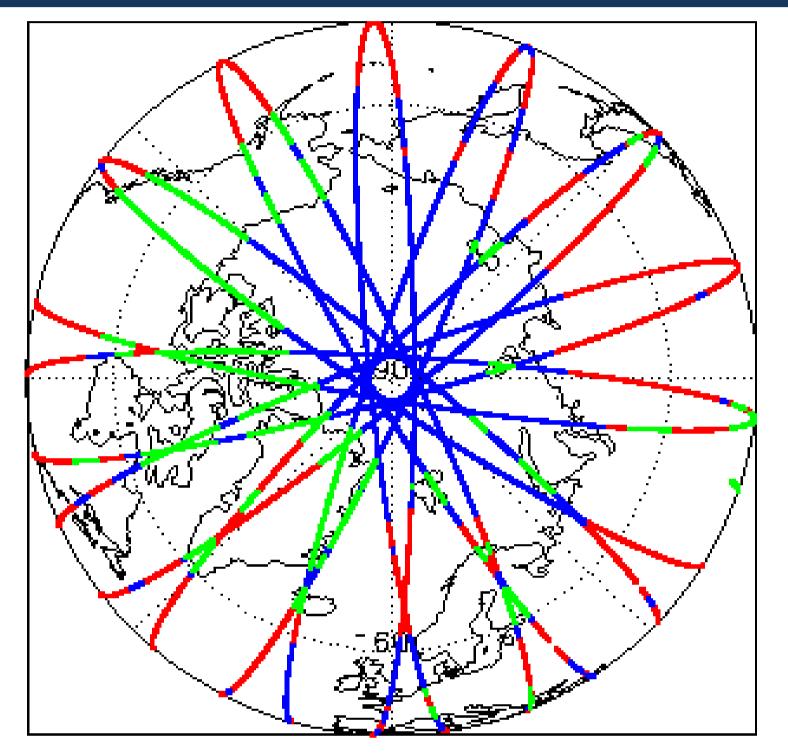
## 1. Overview

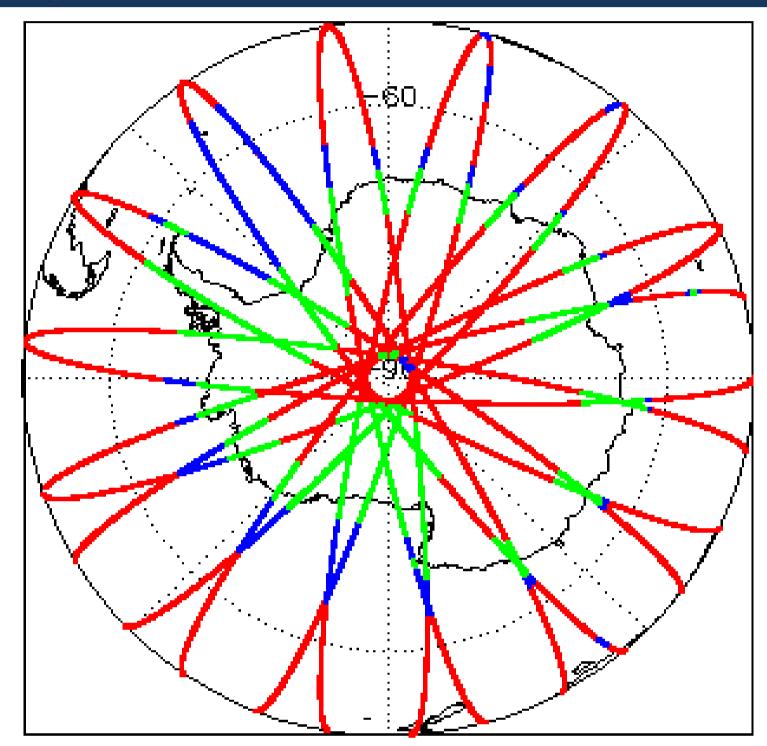
<b>Report Production Date:</b>	13-May-2020
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

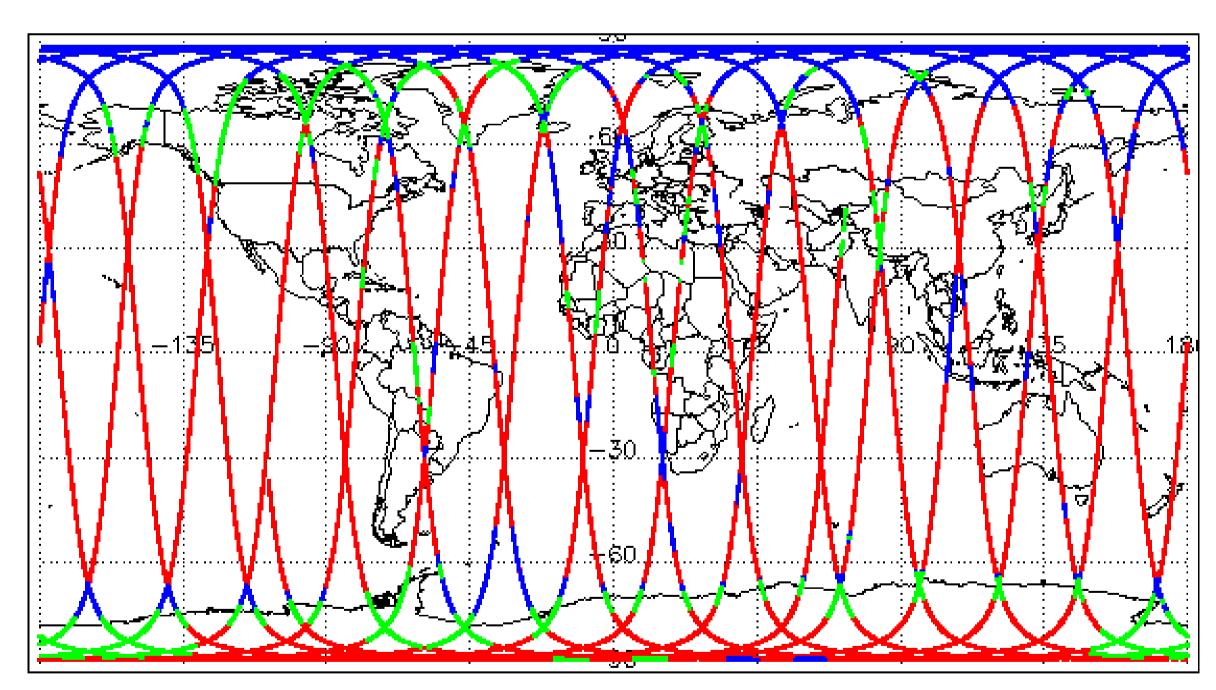
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	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

Mission / Instrument News	
11-Apr-2020	None
12-Apr-2020	None
13-Apr-2020	Nothing planned

## 2. Global Coverage



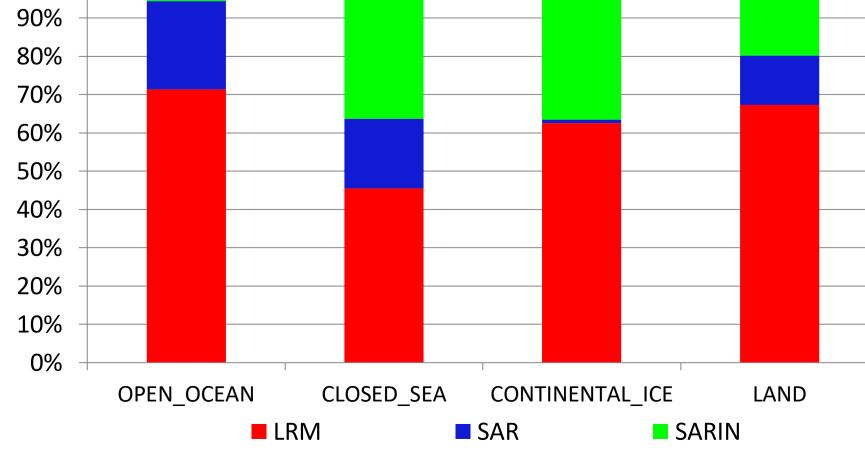


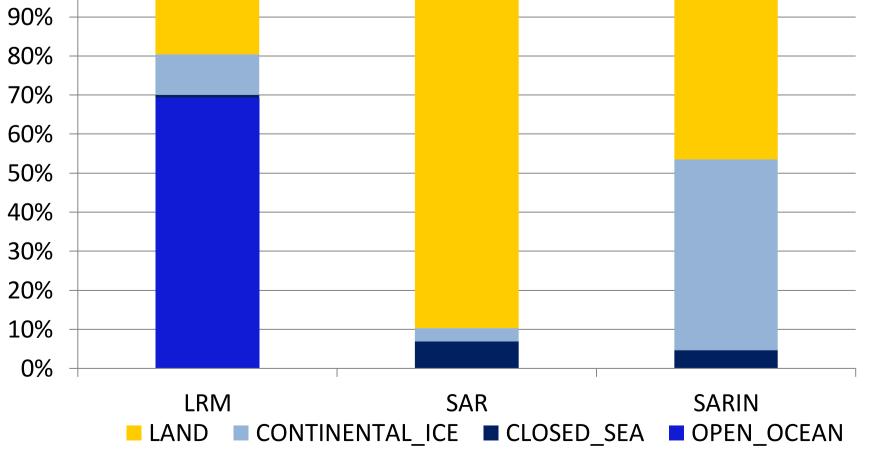




LRM	69.4
SAR	18.3
SARIn	12.3







## **3. Instrument Configuration**

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

SIRAL instrument(s) in use:	SIRAL - A	
	4	Level 1B Data Quality Check
4.1 L1B Product Format Check	<	
Each product, retrieved and unpacked from the	ne science server, is checked t	o ensure it consists of both an XML header file (.HDR) and a product file (.DBL).
Number of products with errors:	0	
4.2 L1B Product Header Analy	sis	
For all products, a series of pre-defined checl	ks 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	
4.3 Star Tracker Usage Check		
Each product is checked in order to ensure a	valid star tracker file has been	used in processing.
Number of products with errors:	0	
4.4 L1B Tracking Flags Check		
CryoSat L1B data includes a tracking flag for	each measurement record. Th	e bit value of this flag indicates any problems when set.
Loss of Echo Flag: This flag is currently set	for some products over land, b	ut this is to be expected.

Number of products with errors:

107

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200412T000255_20200412T002821_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T003525_20200412T003850_D001	Loss of echo	The tracking echo is missing for one or more records

CS\_OFFL\_SIR\_LRM\_1B\_20200412T013158\_20200412T013534\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T013753\_20200412T013833\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T013837\_20200412T015933\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T020951\_20200412T021758\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T030951\_20200412T031034\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T031317\_20200412T031651\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T031709\_20200412T031732\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T031735\_20200412T031749\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T032327\_20200412T032829\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T032956\_20200412T033526\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T040037\_20200412T042258\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T043653\_20200412T043720\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T045455\_20200412T045535\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T045631\_20200412T045809\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T045843\_20200412T050336\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T054010\_20200412T060703\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T061510\_20200412T061712\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T072514\_20200412T073607\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T073609\_20200412T073618\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T073620\_20200412T073623\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T073625\_20200412T074652\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T075038\_20200412T075246\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T075249\_20200412T075250\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T075253\_20200412T075312\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T075314\_20200412T075315\_D001 CS\_OFFL\_SIR\_LRM\_1B\_20200412T075318\_20200412T075502\_D001

Loss of echo Loss of echo

The tracking echo is missing for one or more records The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20200412T075526_20200412T075534_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T075540_20200412T075559_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T081338_20200412T082555_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T082809_20200412T083109_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T083215_20200412T083409_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T083445_20200412T083409_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T083445_20200412T083409_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T083445_20200412T084345_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T085853_20200412T093144_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T09223_20200412T09207_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T09232_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093014_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B	CS_OFFL_SIR_LRM_1B_20200412T075504_20200412T075523_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T081338_20200412T082555_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T082809_20200412T083109_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T083215_20200412T083409_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T083445_20200412T08345_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T083445_20200412T08345_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T084937_20200412T08508_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T085853_20200412T091344_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T091523_20200412T092027_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T092232_20200412T093019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T09232_20200412T093019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200412T075526_20200412T075534_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200412T083215_20200412T083409_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T083445_20200412T084345_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T084937_20200412T085208_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T085853_20200412T091344_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T091523_20200412T092027_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T092232_20200412T093019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200412T081338_20200412T082555_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200412T084937_20200412T085208_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T085853_20200412T091344_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T091523_20200412T092027_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T092232_20200412T093019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200412T083215_20200412T083409_D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200412T091523_20200412T092027_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T092232_20200412T093019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200412T084937_20200412T085208_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T092232_20200412T093019_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001Loss of echoThe tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200412T085853_20200412T091344_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200412T091523_20200412T092027_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20200412T092232_20200412T093019_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T093104_20200412T093128_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200412T093021_20200412T093034_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20200412T093104_20200412T093128_D001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20200412T093130_20200412T093136_D001
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CS_OFFL_SIR_LRM_1B_20200412T100045_20200412T102443_D001
CS_OFFL_SIR_LRM_1B_20200412T103828_20200412T110213_D001
CS_OFFL_SIR_LRM_1B_20200412T110554_20200412T110649_D001
CS_OFFL_SIR_LRM_1B_20200412T110825_20200412T111200_D001
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CS_OFFL_SIR_LRM_1B_20200412T112921_20200412T113713_D001
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CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001
CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001
CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001
CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001
CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001
CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001
CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001
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CS_OFFL_SIR_LRM_1B_20200412T204731_20200412T204835_D001
CS_OFFL_SIR_LRM_1B_20200412T205154_20200412T210358_D001
CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T210641_D001
CS_OFFL_SIR_LRM_1B_20200412T212051_20200412T212441_D001

CS_OFFL_SIR_LRM_1B_20200412T093130_20200412T093136_D001		
	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T093140_20200412T093152_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T093155_20200412T093702_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T095212_20200412T095922_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T100045_20200412T102443_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T103828_20200412T110213_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T110554_20200412T110649_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T110825_20200412T111200_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T112702_20200412T112800_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T112921_20200412T113713_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T113715_20200412T113737_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T113739_20200412T113753_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T113756_20200412T113758_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T113803_20200412T113950_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T113953_20200412T120340_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T121726_20200412T125252_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T135615_20200412T141140_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T141143_20200412T141448_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T141450_20200412T141553_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202004121141450_202004121141555_D001 CS_OFFL_SIR_LRM_1B_20200412T141555_20200412T142239_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T142417_20200412T142528_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T142705_20200412T142827_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T144715_20200412T152153_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T154957_20200412T155140_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T155156_20200412T155903_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T160046_20200412T160330_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T160616_20200412T160722_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T163845_20200412T170052_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T172908_20200412T173626_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T180343_20200412T180349_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T180351_20200412T180357_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T180359_20200412T180429_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T181307_20200412T183938_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T184714_20200412T184947_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T185758_20200412T191028_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194213_20200412T194248_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194250_20200412T194409_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194411_20200412T194430_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194436_20200412T194451_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001	Loss of echo Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001	Loss of echo Loss of echo Loss of echo	The tracking echo is missing for one or more recordsThe tracking echo is missing for one or more recordsThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001	Loss of echo Loss of echo Loss of echo Loss of echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001	<ul> <li>Loss of echo</li> </ul>	<ul> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> </ul>
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001	<ul> <li>Loss of echo</li> </ul>	<ul> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> </ul>
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T2001857_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001	<ul> <li>Loss of echo</li> </ul>	<ul> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> <li>The tracking echo is missing for one or more records</li> </ul>
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CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204714_D001 CS_OFFL_SIR_LRM_1B_20200412T204731_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T20455154_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204551_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204551_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204554_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204554_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204554_20200412T204835_D001	<ul> <li>Loss of echo</li> </ul>	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204714_D001 CS_OFFL_SIR_LRM_1B_20200412T204731_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204554_20200412T210358_D001 CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001	<ul> <li>Loss of echo</li> </ul>	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204714_D001 CS_OFFL_SIR_LRM_1B_20200412T204554_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T20456_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T20456_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T210443_D001 CS_OFFL_SIR_LRM_1B_20200412T2120433_20200412T2120441_D001 CS_OFFL_SIR_LRM_1B_20200412T2120456_20200412T2120441_D001 CS_OFFL_SIR_LRM_1B_20200412T2120456_20200412T2120441_D001 CS_OFFL_SIR_LRM_1B_20200412T2120456_20200412T2120441_D001 CS_OFFL_SIR_LRM_1B_20200412T2120443_20200412T2120441_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T2124452_20200412T212444_D001	<ul> <li>Loss of echo</li> </ul>	The tracking echo is missing for one or more records The tracking echo is missing for
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T20018_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204731_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T20456_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T212051_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T212443_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T213431_D001 CS_OFFL_SIR_LRM_1B_20200412T2124552_20200412T213431_D001 CS_OFFL_SIR_LRM_1B_20200412T2124552_20200412T213431_D001 CS_OFFL_SIR_LRM_1B_20200412T2124552_20200412T213431_D001	<ul> <li>Loss of echo</li> <li>Loss of echo&lt;</li></ul>	The tracking echo is missing for one or more records The tracking echo is missing for
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204714_D001 CS_OFFL_SIR_LRM_1B_20200412T204731_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T2045154_20200412T2106435_D001 CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T2120512_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T2124452_20200412T212450_D001 CS_OFFL_SIR_LRM_1B_20200412T2124452_20200412T212450_D001 CS_OFFL_SIR_LRM_1B_20200412T2124552_20200412T212455_D001 CS_OFFL_SIR_LRM_1B_20200412T2124552_20200412T212455_D001 CS_OFFL_SIR_LRM_1B_20200412T2124552_20200412T212455_D001 CS_OFFL_SIR_LRM_1B_20200412T2124552_20200412T22355_D001	<ul> <li>Loss of echo</li> <li>Loss of echo&lt;</li></ul>	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T20018_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204259_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204714_D001 CS_OFFL_SIR_LRM_1B_20200412T204554_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T20456_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T21044835_D001 CS_OFFL_SIR_LRM_1B_20200412T2120456_20200412T2104435_D001 CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T210441_D001 CS_OFFL_SIR_LRM_1B_20200412T2120456_20200412T210443_D001 CS_OFFL_SIR_LRM_1B_20200412T2120433_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212444_20001 CS_OFFL_SIR_LRM_1B_20200412T212444_20200412T212444_D001	<ul> <li>Loss of echo</li> <li>Loss of echo&lt;</li></ul>	The tracking echo is missing for one or more records         The tracking e
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T2001857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204559_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204714_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T20456_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T21205154_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T223507_D001 CS_OFFL_SIR_LRM_1B_20200412T223507_D001 CS_OFFL_SIR_LRM_1B_20200412T223504_2020412T223525_D001 CS_OFFL_SIR_LRM_1B_20200412T223504_2020412T22354_D001	<ul> <li>Loss of echo</li> <li>Loss of echo&lt;</li></ul>	The tracking echo is missing for one or more records The tracking echo is missing for
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T204557_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T204731_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T2105154_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T21444_D001 CS_OFFL_SIR_LRM_1B_20200412T2124452_20200412T21444_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T2212446_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T2212446_20200412T223507_D001 CS_OFFL_SIR_LRM_1B_20200412T223510_20200412T223525_D001 CS_OFFL_SIR_LRM_1B_20200412T223528_20200412T224534_D001 CS_OFFL_SIR_LRM_1B_20200412T223528_20200412T224534_D001 CS_OFFL_SIR_LRM_1B_20200412T223528_20200412T224534_2001	<ul> <li>Loss of echo</li> <li>Loss of echo&lt;</li></ul>	The tracking echo is missing for one or more records The tracking echo is missing for
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T20118_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204557_D001 CS_OFFL_SIR_LRM_1B_20200412T204319_20200412T204529_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204734_D001 CS_OFFL_SIR_LRM_1B_20200412T205154_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T205154_20200412T210358_D001 CS_OFFL_SIR_LRM_1B_20200412T21051_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212446_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T223507_D001 CS_OFFL_SIR_LRM_1B_20200412T223510_20200412T224534_D001 CS_OFFL_SIR_LRM_1B_20200412T223506_20200412T224534_D001 CS_OFFL_SIR_LRM_1B_20200412T225936_20200412T224534_D001 CS_OFFL_SIR_LRM_1B_20200412T225936_20200412T2350538_D001 CS_OFFL_SIR_LRM_1B_20200412T225936_20200412T230538_D001 CS_OFFL_SIR_LRM_1B_20200412T225936_20200412T230538_D001 CS_OFFL_SIR_LRM_1B_20200412T225936_20200412T230538_D001 CS_OFFL_SIR_LRM_1B_20200412T225936_20200412T230538_D001 CS_OFFL_SIR_LRM_1B_20200412T225936_20200412T230538_D001 CS_OFFL_SIR_LRM_1B_20200412T2230540_20200412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_2020412T230540_	<ul> <li>Loss of echo</li> <li>Loss of echo&lt;</li></ul>	The tracking echo is missing for one or more records The tracking echo is missing for
CS_OFFL_SIR_LRM_1B_20200412T194455_20200412T194504_D001 CS_OFFL_SIR_LRM_1B_20200412T194747_20200412T194822_D001 CS_OFFL_SIR_LRM_1B_20200412T194939_20200412T200118_D001 CS_OFFL_SIR_LRM_1B_20200412T200322_20200412T201857_D001 CS_OFFL_SIR_LRM_1B_20200412T203500_20200412T204559_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204559_D001 CS_OFFL_SIR_LRM_1B_20200412T204532_20200412T204550_D001 CS_OFFL_SIR_LRM_1B_20200412T204553_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204554_D001 CS_OFFL_SIR_LRM_1B_20200412T204559_20200412T204734_D001 CS_OFFL_SIR_LRM_1B_20200412T204731_20200412T204835_D001 CS_OFFL_SIR_LRM_1B_20200412T205154_20200412T210458_D001 CS_OFFL_SIR_LRM_1B_20200412T210456_20200412T210641_D001 CS_OFFL_SIR_LRM_1B_20200412T212051_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212443_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T212444_D001 CS_OFFL_SIR_LRM_1B_20200412T212445_20200412T223507_D001 CS_OFFL_SIR_LRM_1B_20200412T223510_20200412T224534_D001 CS_OFFL_SIR_LRM_1B_20200412T223525_D001 CS_OFFL_SIR_LRM_1B_20200412T223525_D001 CS_OFFL_SIR_LRM_1B_20200412T223525_0001 CS_OFFL_SIR_LRM_1B_20200412T223525_0001 CS_OFFL_SIR_LRM_1B_20200412T223525_0001 CS_OFFL_SIR_LRM_1B_20200412T223525_0001 CS_OFFL_SIR_LRM_1B_20200412T223525_0001 CS_OFFL_SIR_LRM_1B_20200412T223525_0001 CS_OFFL_SIR_LRM_1B_20200412T224534_0001 CS_OFFL_SIR_LRM_1B_20200412T224534_0001 CS_OFFL_SIR_LRM_1B_20200412T2245358_20200412T224534_D001 CS_OFFL_SIR_LRM_1B_20200412T225936_20200412T230538_D001	<ul> <li>Loss of echo</li> <li>Loss of echo&lt;</li></ul>	The tracking echo is missing for one or more records The tracking echo is missing for

CS_OFFL_SIR_LRM_1B_20200412T231308_20200412T233358_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200412T234047_20200412T234419_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	ve been used in processing.	
Number of products with errors: 0		
4.6 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre-de	etermined 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	s any problems when set.
Number of products with errors: 0		
4.8 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag (field 18) for each mea	asurement record. The bit value of this fla	g indicates any problems when set.
Currently, there are several common error flags raised in the Level 1B produbelow, followed by a table of any additional issues arising from this test.	ucts which are expected due to operation	onal mode or surface type. All common flags are summarised in the list
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, in	dicating that the ADC correction applicati	on is deactivated, but this is in line with the current configuration.
Number of products with errors: 1		
Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200412T113803_20200412T113950_D001	Echo error, TRK echo error	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: 0
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
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: 0
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.

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.

Product	Test Failed	Description
CS_OFFL_SIR_LRM_220200412T000255_20200412T002821_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_220200412T004154_20200412T011436_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_220200412T013837_20200412T015933_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_220200412T022110_20200412T025518_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_220200412T030836_20200412T030934_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_220200412T040037_20200412T042258_D001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220200412T042543_20200412T043503_D001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220200412T050634_20200412T051148_D001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220200412T051336_20200412T052612_D001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 for one or more
CS_OFFL_SIR_LRM_220200412T054010_20200412T060703_D001	Error (Retracker 2) Height Error (Retracker 2), Backscatter	records There is a height and backscatter error for Retracker 2 and no DEM or
CS_OFFL_SIR_LRM_220200412T060842_20200412T061321_D001	Error (Retracker 2), Surface Model Unavailable	Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200412T063001_20200412T063651_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_220200412T063705_20200412T070121_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_220200412T072514_20200412T073607_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_220200412T073625_20200412T074652_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_220200412T081338_20200412T082555_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_220200412T083445_20200412T084345_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_220200412T085853_20200412T091344_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_220200412T091523_20200412T092027_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_220200412T094925_20200412T095050_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200412T095212_20200412T095922_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_220200412T100045_20200412T102443_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_220200412T103828_20200412T110213_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_220200412T110825_20200412T111200_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200412T113953_20200412T120340_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_220200412T121726_20200412T125252_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_220200412T131111_20200412T131356_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_220200412T131450_20200412T134252_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_220200412T135615_20200412T141140_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_220200412T141555_20200412T142239_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_220200412T143347_20200412T143440_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_220200412T144715_20200412T152153_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_220200412T154957_20200412T155140_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_220200412T161334_20200412T161426_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_220200412T162717_20200412T163600_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_220200412T163845_20200412T170052_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_220200412T171418_20200412T172721_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_220200412T172908_20200412T173626_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_220200412T173722_20200412T174127_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_220200412T181307_20200412T183938_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_220200412T185758_20200412T191028_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_220200412T191053_20200412T192803_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_220200412T194250_20200412T194409_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200412T194939_20200412T200118_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_220200412T200322_20200412T201857_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_220200412T203500_20200412T204259_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_220200412T205154_20200412T210358_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_220200412T210456_20200412T210641_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200412T214246_20200412T215748_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_220200412T221120_20200412T223507_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_220200412T223528_20200412T224534_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_220200412T231308_20200412T233358_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_220200412T235036_20200413T001939_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records

	Error (Retracker 2)	records