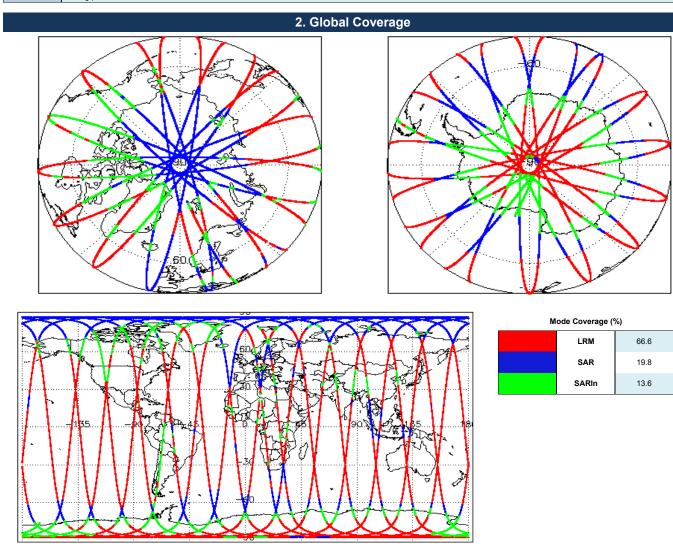


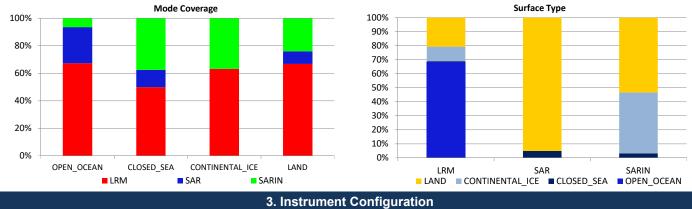
IDEAS+ Daily Report for OFFLINE data:

<u>18/10/2019</u>

1. Overview			
		Check	Status
Report Production Date:	18-Nov-2019	Server check: science-pds.cryosat.esa.int	Nominal
Dracasa r Llaadu	CrucSat los Prossosor	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Product Software Check	Nominal
	L1B and L2 OFFLINE Data Product Format Check Product Header Analysis	Product Format Check	Nominal
Data Used:		Nominal	
		Star Tracker Usage Check	Nominal
		L1B Tracking Flag Check	See Section 4.4
		L1B Calibration Usage Check	See Section 4.5
		L1B & L2 Auxiliary Data File Usage Check	Nominal
		L1B & L2 Auxiliary Correction Error Check	Nominal
		1 1B & L2 Measurement Confidence Data Check	See Section 4.8 and 5.5

Mission / Instrument News			
17-Oct-2019	None		
18-Oct-2019	None		
19-Oct-2019	Nothing planned		





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

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. 0

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

0

81

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.

CS_OFFL_SIR_LRM_1B_20191018T154003_20191018T154022_D001

Number of products with errors:

Product Test Failed Description CG_CPTF_ISE_LPM_1E_20191010010202_0201 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_20191010010202_0201 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_2019101001010222_0191018100012_0001 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_20191010010143_02191010120027_0001 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_20191010010143_02191010120020_0001 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_20191010101120120_00101 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_20191010110120220_07_20191010110120320_0001 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_20191010110120220_07_00111010132_0001 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_2019101011014202_01010110110132_0001 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_2019101011014202_01010110110130_0001 Loss of echo The tacking echo is making for one or more records CG_CPTF_ISE_LPM_1E_2019101011014202_0101011011010100_001
CS_OFFL_SIR_LRM_IB_20191018702207_20191018700246_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_2019101003723_D0191018700320_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191010187004134_20191018700400 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_201910187004134_20191018702100 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_2019101870244_20191018702100 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191018702319_201910187021330_2001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_201910187041820_201910187041720_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_201919107141820_2019101187041720_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_201919107141820_20191011471720_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_201919107141820_20191014717420_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20191910761741820_2019101187047280_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_201910187047120_D0110187047280_D001 Loss of echo The tracking echo is
CS_OFFL_SIR_LRM_16_2019101870273_20191018703012_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_16_2019101870328_D0191018702044_20191018702100_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_16_20191018702044_201910101702100_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_16_20191018702114_201910187021047_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_16_20191018702114_201910187021140_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20191018702387_20191018701330_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_201910187014782_20191018701482_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20191018701482_D01011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20191018701482_D0101101 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_D0191018704792_D0191018704320_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_D0191018705182_D0191018704520_D001 Loss of exho The tracking exho is missing for one or more records <t< td=""></t<>
CS_OFFL_SIR_LRM_18_20191018703328_201910187039858_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20191018702418_20191018702417_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20191018702118_20191018702108_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20191018702118_20191018702108_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20191018702188_201901Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20191018702188_201901018702482_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_201910187041838_201910187041820_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_201910187041832_201910187041820_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_201910187041802_201910187041820_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_201910187041802_20191018704520_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20191018704592_20191018704520_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20191018705218_20191018705220_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20191018705232_D0010Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_18_20191018705232_D01010Loss of ec
CS_OFFL_SR_LEW_18_20191018700413_20191018700427_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_20191018702143_20191018702100_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_20191018702113_20191018702183_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_20191018702183_20191018702832_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_D20191018702832_D0191018702832_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_D20191018702832_D019101870483_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_D20191018704183_D0191018704852_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_D20191018704183_D0191018704852_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_D01910187041902_D0191018704352_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_D0191018704379_D0191018702320_D0011 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_D0191018702478_D01113_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SR_LEW_18_D0191018702478_D019101870230_D0011 Loss of exho The tracking exho is missing fo
CS_OFFL_SR_LRM_18_20191018702034_20191018702100_0001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_201910187021134_20191018702183_2001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018702183_20191018702183_2001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018702887_20191018702183_0001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018702887_20191018704182_001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018704183_20191018704182_001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018704180_20191Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018704780_20191018704820_001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018704780_20191018704280_001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018704320_20191018704282_001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018704320_20191018704282_001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018704320_20191018704320_001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_20191018707452_20191018707452_001Loss of exheThe tracking exh is missing for one or more recordsCS_OFFL_SR_LRM_18_2019101877482_20191018707482_001Loss of exheThe trac
CS_OFF_SR_LRM_18_20191018702108_20191018702164_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_20191018702183_0010116702383_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_20191018702387_D01101870338D_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_201910187041763_D010187041750_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_201910187041763_D01910187041857_D001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_201910187041769_D0111 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_D01910187041002_D0191018704309_D0011 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_D01910187041002_D0191018704329_D0011 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_D0191018705218_D0011 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_D0191018705238_D0011 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_D0191018705238_D0011 Loss of echo The tracking echo is missing for one or more records CS_OFF_SR_LRM_18_D0191018705248_D0011 Loss of ech
CS_OFF_SIR_LRM_18_201910187021134_20191018702383_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018702383_0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018702382_0011018703133_0011Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018704188_20191018704182_00011Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018704182_00191018704182_00011Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_201910187041802_001910187041802_00011Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_201910187041802_00191018704250_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_201910187041780_201910187042520_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018705218_20191018705212_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018705218_20191018705212_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018705252_0191018705428_0001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018705428_011018707430_001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018707400_20191018707430_001Loss of echoThe tracking echo is missing for one or more recordsCS_OFF_SIR_LRM_18_20191018707400_20191018707430_001Loss o
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CS_OFFL_SIR_LRM_1B_20191018T074800_20191018T074838_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T082618_20191018T085327_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T085331_20191018T085418_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T092357_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T092438_20191018T092357_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T092438_20191018T092438_20091Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T105524_20191018T105829_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T105903_20191018T105950_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T110014_20191018T110036_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T11023_20191018T11030_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T11023_20191018T111205_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111033_20191018T111205_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111030_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111030_D001L
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CS_OFFL_SIR_LRM_1B_20191018T110146_20191018T110227_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T110230_20191018T111030_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111033_20191018T111205_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111033_20191018T111205_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111401_20191018T111520_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111540_20191018T1112105_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111540_20191018T112105_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T110230_20191018T111030_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191018T111033_20191018T111205_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191018T111401_20191018T111520_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191018T111540_20191018T111520_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191018T111540_20191018T112105_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T111033_20191018T111205_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111401_20191018T111520_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111540_20191018T112105_D001Loss of echoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_LRM_1B_20191018T111540_20191018T112105_D001Loss of echoThe tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T111401_20191018T111520_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20191018T111540_20191018T112105_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T111540_20191018T112105_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T123723_20191018T123819_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T123823_20191018T123844_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T123922_20191018T123935_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T124312_20191018T124448_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T124631_20191018T125024_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T132440_20191018T140017_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T150422_20191018T152538_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T152542_20191018T153911_D001 Loss of echo The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T153914_20191018T153938_D001 Loss of echo The tracking echo is missing for one or more records

Loss of echo

The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20191018T161159_20191018T162539_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T163355_20191018T163553_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T164331_20191018T165813_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T170014_20191018T170937_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T171241_20191018T171430_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T171432_20191018T172004_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T173110_20191018T174859_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T175502_20191018T175533_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T180142_20191018T180308_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T181206_20191018T181957_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T184533_20191018T184637_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T185026_20191018T185153_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T185156_20191018T185159_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T185203_20191018T185304_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T185307_20191018T185314_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T185317_20191018T185329_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T185332_20191018T185339_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T185342_20191018T185939_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T191517_20191018T194653_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T195301_20191018T195848_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T200305_20191018T202654_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T203035_20191018T203520_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T205221_20191018T205534_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T205816_20191018T212546_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T214209_20191018T220914_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T220920_20191018T220951_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T221025_20191018T221217_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T221250_20191018T221531_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T232900_20191018T233254_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T233256_20191018T233426_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T233546_20191018T234249_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T234826_20191018T234912_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20191018T234929_20191018T235206_D001	Loss of echo	The tracking echo is missing for one or more records

4.5 L1B Calibration Usage Check

Number of products with errors:

Each product is checked in order to ensure that the necessary calibration files have been used in processing.

2

Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20191018T002004_20191018T002007_D001	Cal1 correction missing	The Cal1 correction has not been applied
CS_OFFL_SIR_SIN_1B_20191018T123820_20191018T123823_D001	Cal1 correction missing	The Cal1 correction has not been applied

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: 0

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: 2		
Product	Test Failed	Description
CS_OFFL_SIR_SIN_1B_20191018T002004_20191018T002007_D001	Cal1 Correction missing	The Cal1 correction has not been applied
CS_OFFL_SIR_SIN_1B_20191018T123820_20191018T123823_D001	Cal1 Correction missing	The Cal1 correction has not been applied

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 Usag	e Check		
Each product is checked for missing Data Set	t 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.

0

55

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.

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_220191018T004524_20191018T004928_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_220191018T005851_20191018T005923_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_220191018T005946_20191018T011038_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_220191018T011324_20191018T013444_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_220191018T015231_20191018T020157_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_220191018T020344_20191018T021000_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_220191018T021134_20191018T021618_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_220191018T023827_20191018T031330_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_220191018T033236_20191018T040304_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_220191018T041905_20191018T043609_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_220191018T043759_20191018T045250_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_220191018T051000_20191018T052012_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_220191018T052630_20191018T054228_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_220191018T055524_20191018T061113_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_220191018T061337_20191018T061620_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_220191018T061759_20191018T063119_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_220191018T064746_20191018T071006_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_220191018T071014_20191018T072306_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_220191018T073405_20191018T074158_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191018T074925_20191018T081000_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_220191018T082618_20191018T085327_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_220191018T091645_20191018T092357_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191018T092438_20191018T094939_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_220191018T100605_20191018T103919_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_220191018T105125_20191018T105357_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_220191018T110230_20191018T111030_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_220191018T114627_20191018T121844_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_220191018T121939_20191018T122013_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_220191018T122045_20191018T122149_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_220191018T123052_20191018T123243_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_220191018T125117_20191018T130704_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_220191018T132440_20191018T140017_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_220191018T140959_20191018T141201_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_220191018T142216_20191018T142640_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_220191018T142733_20191018T144510_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_220191018T150422_20191018T152538_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_220191018T152542_20191018T153911_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_220191018T155202_20191018T161054_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_220191018T161159_20191018T162539_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_220191018T164331_20191018T165813_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_220191018T170014_20191018T170937_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_220191018T173110_20191018T174859_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_220191018T175502_20191018T175533_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191018T182312_20191018T183718_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_220191018T185026_20191018T185153_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220191018T191139_20191018T191353_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_220191018T191517_20191018T194653_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_220191018T200305_20191018T202654_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_220191018T205816_20191018T212546_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_220191018T214209_20191018T220914_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_220191018T221649_20191018T221927_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_220191018T223237_20191018T230333_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_220191018T232116_20191018T232511_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_SIN_220191018T002004_20191018T002007_D001	Calibration Warning	The Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products for one or more records
CS_OFFL_SIR_SIN_220191018T123820_20191018T123823_D001	Calibration Warning	The Calibration correction is missing or has been taken from the IPFDB instead of the Calibration products for one or more records