

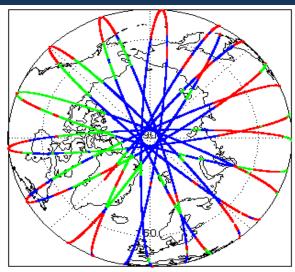
# 1. Overview

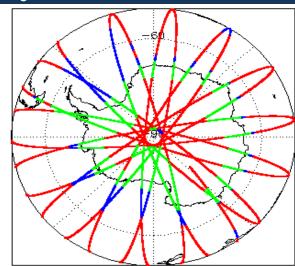
Report Production Date:	06-Feb-2020	
Processor Used:	CryoSat Ice Processor	
Data Used:	L1B and L2 OFFLINE Data	

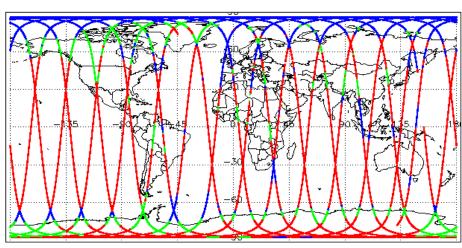
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check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

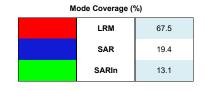
Mission / Instru	ment News
06-Jan-2020	None
07-Jan-2020	None
08-Jan-2020	Nothing planned

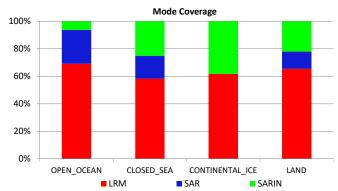
# 2. Global Coverage

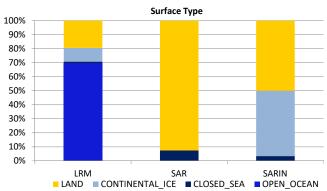












# 3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
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# 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: 0

## 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.

Number of products with errors: 109

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200107T000918_20200107T001004_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T001012_20200107T001039_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T001044_20200107T001129_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T001131_20200107T001133_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T001136_20200107T001149_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T001522_20200107T003026_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T003030_20200107T004614_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T010248_20200107T011247_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200107T011353 20200107T011649 D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200107T011906 20200107T013022 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T013220_20200107T013400_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T014800_20200107T015121_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T015124_20200107T015228_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T015232_20200107T015248_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T015251_20200107T015252_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200107T015255 20200107T015301 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T015303_20200107T015306_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T015311_20200107T015332_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T015335_20200107T020852_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T024021_20200107T025958_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T030002_20200107T030242_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T030405_20200107T031229_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200107T031514 20200107T031542 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T032629_20200107T033020_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T033024_20200107T033035_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T033037_20200107T033242_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T033247_20200107T033255_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T033258_20200107T033435_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T033527_20200107T033606_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T040759_20200107T041136_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T041750_20200107T044639_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T050930_20200107T051622_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200107T051743 20200107T054402 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T064805_20200107T065102_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200107T065136 20200107T065325 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T065419_20200107T065841_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200107T065843 20200107T070157 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T070223_20200107T070330_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T070333_20200107T071221_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T082608_20200107T082620_D001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM 1B 20200107T082956 20200107T083120 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202001071082930_202001071083120_D001  CS_OFFL_SIR_LRM_1B_20200107T083131_20200107T083237_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202001071083557_202001071083719_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202001071083397_202001071083719_D001  CS_OFFL_SIR_LRM_1B_20200107T083902_20200107T084339_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202001071063902_202001071064339_D001  CS_OFFL_SIR_LRM_1B_202001071084351_202001071090306_D001		The tracking echo is missing for one or more records
	Loss of echo	•
CS_OFFL_SIR_LRM_1B_20200107T095124_20200107T095128_D001	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_20200107T095131_20200107T095253_D001	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_20200107T101449_20200107T101926_D001	Loss of echo	The tracking echo is missing for one or more records

Co.			
Comp. No.   1961   1961   200000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20200107T102006_20200107T103758_D001	Loss of echo	The tracking echo is missing for one or more records
Comparison   Com	CS_OFFL_SIR_LRM_1B_20200107T113024_20200107T113109_D001	Loss of echo	The tracking echo is missing for one or more records
Co.	CS_OFFL_SIR_LRM_1B_20200107T113112_20200107T113157_D001	Loss of echo	The tracking echo is missing for one or more records
Co.	CS_OFFL_SIR_LRM_1B_20200107T113200_20200107T113202_D001	Loss of echo	The tracking echo is missing for one or more records
Co. Comp.   Co.			
Co. Comp.   Self.   Just.   19.   20000017120282, 20200017130010, 2001   Loss of already   The tracking paths is interrupt for one or more security			
Company   Comp	CS_OFFL_SIR_LRM_1B_202001071120431_202001071121752_D001	Loss of echo	The tracking echo is missing for one or more records
Company   Comp	CS_OFFL_SIR_LRM_1B_20200107T122629_20200107T122826_D001	Loss of echo	The tracking echo is missing for one or more records
Co. OFT., SRI, LPM, 18, 20200071719689, 20200107170959, DOI  Co. OFT., SRI, LPM, 18, 20200071719689, 20200107170959, DOI  Co. OFT., SRI, LPM, 18, 20200071719689, 2020107170959, DOI  Co. OFT., SRI, LPM, 18, 20200071719689, 2020107170959, DOI  Co. OFT., SRI, LPM, 18, 20200071719689, 2020107170959, DOI  Co. OFT., SRI, LPM, 18, 2020007171969, 2020107170959, DOI  Co. OFT., SRI, LPM, 18, 20200071719709, 2020107170999, DOI  Co. OFT., SRI, LPM, 18, 2020007171909, 2020107170999, DOI  Co. OFT., SRI, LPM, 18, 2020007171909, DOI  Co. OFT., SRI, LPM, 18	CS_OFFL_SIR_LRM_1B_20200107T123510_20200107T125050_D001	Loss of echo	The tracking echo is missing for one or more records
Co. OFFL. SRIL, May 18, 20200071700012 (20200071700012) (202000071700012) (2020	CS_OFFL_SIR_LRM_1B_20200107T125252_20200107T130213_D001	Loss of echo	The tracking echo is missing for one or more records
Co. OFFL. SRIL, May 18, 20200071700012 (20200071700012) (202000071700012) (2020	CS_OFFL_SIR_LRM_1B_20200107T130534_20200107T130630_D001	Loss of echo	The tracking echo is missing for one or more records
CB_GPT_SRL_PM_18_2020001713916_2020001713915_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020001713916_2020001713915_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020001713916_2020001713915_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020001713916_2020001713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020001713916_2020001713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020001713916_2020001713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020001713916_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020001713916_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020001713916_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713916_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713916_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713918_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713918_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713918_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713918_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713918_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713918_000000713938_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713918_0000000713938_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713918_0000000713938_0001  Loss of eithe  CB_GPT_SRL_PM_18_2020000713918_000000000000000000000000000000000000			
26. GPT_SRL_IMM_18_20200101713078_20200107713078_0001   26. GPT_SRL_IMM_18_2020010713078_20200107713080_0001   26. GPT_SRL_IMM_18_2020010713078_20200107713080_0001   26. GPT_SRL_IMM_18_2020010713078_20200107713080_0001   26. GPT_SRL_IMM_18_2020010713080_0001   26. GPT_SRL_IMM_18_2020010713080_200000713080_0001   26. GPT_SRL_IMM_18_2020001713080_200000713080_0001   26. GPT_SRL_IMM_18_2020001713080_200000713080_0001   26. GPT_SRL_IMM_18_20200000713080_2000000713080_0001   26. GPT_SRL_IMM_18_202000000000000000000000000000000000			·
Co. OFT., SR. L.MM. 19. 200010FT130703 200010FT130705 D001   Co. OFT., SR. L.MM. 19. 200010FT130703 200010FT130805 D001   Co. OFT., SR. L.MM. 19. 200010FT130703 200010FT130803 D001   Co. OFT., SR. L.MM. 19. 200010FT13081 200010FT13081 D001   Co. OFT., SR. L.MM. 19. 200010FT13081 200010FT13080 D001   Co. OFT., SR. L.MM. 19. 200010FT13081 200010FT13080 D001   Co. OFT., SR. L.MM. 19. 200010FT13082 200010FT13080 D001   Co. OFT., SR. L.MM. 19. 200010FT13081 200010FT13080 D001   Co. OFT., SR. L.MM. 19. 200010FT13080 200010FT13080 D001   Co. OFT., SR. L.MM. 19. 200010FT	CS_OFFL_SIR_LRM_1B_20200107T130641_20200107T130653_D001	Loss of echo	The tracking echo is missing for one or more records
See OFFE, SRIL LPM, 18. 2000/10/11/0007 2000010/11/0007 2000010/11/0007 2000010/11/0007 2000010/11/0007 2000010/11/0007 2000010/11/0007 2000010/11/0007 2000010/11/0007 2	CS_OFFL_SIR_LRM_1B_20200107T130656_20200107T130705_D001	Loss of echo	The tracking echo is missing for one or more records
Co. CPT_SRL_PM_18_200010717136812_2000107173692_2001   Less of exho	CS_OFFL_SIR_LRM_1B_20200107T130708_20200107T130715_D001	Loss of echo	The tracking echo is missing for one or more records
Co. OFT., SR. LPM. 19, 20001071130122, 20001071130102, 20010   Loss of exhe	CS_OFFL_SIR_LRM_1B_20200107T130720_20200107T130804_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SR_PM_18_2000007113082_200017113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_200000713090_2000107113390_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_200000713090_2000107113390_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113390_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_200007114091_2001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_200007114091_2001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_200007114091_2001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_200007114090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_2000007114090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_2000007114090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_20000077144090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007714091_20000077144090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007714091_20000077144090_D001 Loss of exho The tracking exh	CS_OFFL_SIR_LRM_1B_20200107T130807_20200107T130809_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SR_PM_18_2000007113082_200017113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_200000713090_2000107113390_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_200000713090_2000107113390_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113390_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007113090_2000107113090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_200007114091_2001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_200007114091_2001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_200007114091_2001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_200007114090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_2000007114090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_2000007114090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007114091_20000077144090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007714091_20000077144090_D001 Loss of exho The tracking exho is missing for one or more records  CS_OFF_SR_PM_18_2000007714091_20000077144090_D001 Loss of exho The tracking exh	CS_OFFL_SIR_LRM_1B_20200107T130818_20200107T130823_D001	Loss of echo	The tracking echo is missing for one or more records
CS. OPFL. SIR. LPM. 18, 2000107113092, 2000107131329, 2001  CS. OPFL. SIR. LPM. 18, 200010713092, 2000107131310, 2001  CS. OPFL. SIR. LPM. 18, 200010713092, 2000107131310, 2001  CS. OPFL. SIR. LPM. 18, 200010713092, 2000107133092, 2001  Loss of echo  CS. OPFL. SIR. LPM. 18, 200010713092, 2000107133092, 2001  CS. OPFL. SIR. LPM. 18, 200010713092, 2000107133092, 2001  Loss of echo  CS. OPFL. SIR. LPM. 18, 200010713092, 2000107133092, 2001  Loss of echo  CS. OPFL. SIR. LPM. 18, 200010713092, 2000107133092, 2001  Loss of echo  CS. OPFL. SIR. LPM. 18, 200010713092, 2000107133092, 2001  Loss of echo  CS. OPFL. SIR. LPM. 18, 200010713092, 2000107133092, 2001  Loss of echo  CS. OPFL. SIR. LPM. 18, 200010714092, 200101  Loss of echo  CS. OPFL. SIR. LPM. 18, 200010714092, 200101  Loss of echo  CS. OPFL. SIR. LPM. 18, 200010714092, 200101  Loss of echo  CS. OPFL. SIR. LPM. 19, 200010714092, 200101  Loss of echo  CS. OPFL. SIR. LPM. 19, 200010714092, 200107144092, 2001  Loss of echo  CS. OPFL. SIR. LPM. 19, 2000107144092, 2001017144092, 2001  CS. OPFL. SIR. LPM. 19, 2000107144092, 2001017144092, 20011  CS. OPFL. SIR. LPM. 19, 2000107144092, 2001017144090, 20011  CS. OPFL. SIR. LPM. 19, 2000107144090, 2001017144090, 20011  CS. OPFL. SIR. LPM. 19, 2000107144090, 2001017144090, 20011  CS. OPFL. SIR. LPM. 19, 2000107144090, 20010171			•
CS_OFFL_SIR_LIM_18_20201017113015_20201017131201_D001			
CS_OFFL_SIR_LIM_18_2000107113693_2000107113613_D001 Los of exho  CS_OFFL_SIR_LIM_18_2000107113607_2000107113602 Los of exho  CS_OFFL_SIR_LIM_18_2000107113604_200010713602 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_2000107113602_200010713602 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_2000107113602_200010713602 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_2000107113602_200010713602_D001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_2000107114032_2000107114032_D001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010711402_2000107114032_D001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010711402_200010711402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010711402_200010711402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010711402_20001071402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010711402_200010711402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010711402_200010711402_200010711402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010771402_200010771402_200010711402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010771402_200010771402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010771402_200010771402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010771402_200010771402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010771602_200010771402_2001 Los of exho  The tacking exho is missing for one or more records  CS_OFFL_SIR_LIM_18_200010771602_200010771602_200	CS_OFFL_SIR_LRM_1B_202001071130905_202001071130910_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LIM_18_2020107113478_2020107113478_20001 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107113478_2000107113692_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107113692_2020107113692_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107113692_200107113692_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107113692_2000107114972_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_202010711492_200010711492_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_202010711492_200010711492_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_202010711492_200010711492_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711492_200010711492_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711492_200010771492_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711492_200010771492_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711492_202010771492_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711492_202010771492_20010771492_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_202010771497_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_202010771497_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_202010771497_200100771492_200100771497_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_202010771497_200100771492_200100771497_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711499_2000107715491_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711499_2000107715491_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711491_2020107711491_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711491_2020107711491_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711491_2020107711491_20010 Loss of exhat  CS_OFFL_SIR_LIM_18_2020107711491_20010 Loss of exhat  CS_OFFL_SIR_LIM_	CS_OFFL_SIR_LRM_1B_20200107T130915_20200107T131234_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LBM_1B_2020107T19404_20200107T19405_200000  CS_OFFL_SIR_LBM_1B_2020107T19404_20200107T19402_20000007T19402_20000007T19402_2000007T194000_2000007T19400_2000007T19400_2000007T19400_2000007T19400_20000007T19400_2000007T19400_2000007T19400_2000007T19400_2000007T194000_2000007T19400_2000007T19400_2000007T19400_2000007T19400_20000007T19400_2000007T19400_2000007T19400_2000007T19400_2000007T19400_20000007T19400_2000007T19400_2000007T19400_2000007T19400_20000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20200107T132939_20200107T134131_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LBM_1B_2020107T19404_20200107T19405_200000  CS_OFFL_SIR_LBM_1B_2020107T19404_20200107T19402_20000007T19402_20000007T19402_2000007T194000_2000007T19400_2000007T19400_2000007T19400_2000007T19400_20000007T19400_2000007T19400_2000007T19400_2000007T19400_2000007T194000_2000007T19400_2000007T19400_2000007T19400_2000007T19400_20000007T19400_2000007T19400_2000007T19400_2000007T19400_2000007T19400_20000007T19400_2000007T19400_2000007T19400_2000007T19400_20000000000000000000000000000000000	CS_OFFL_SIR_LRM_1B_20200107T134657_20200107T134703_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_TB_2020107T194944_202020107T19590_0001  CS_OFF_SIR_LRM_TB_2020107T195902_202020107T19590_0001  CS_OFF_SIR_LRM_TB_2020107T195902_202020107T19590_0001  CS_OFF_SIR_LRM_TB_20200107T195902_2020107T19590_0001  CS_OFF_SIR_LRM_TB_20200107T195902_2020107T19590_0001  CS_OFF_SIR_LRM_TB_20200107T195902_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T195902_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T195902_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T195902_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T19592_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T19592_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T19592_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T19592_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T19592_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T19592_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T19592_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T19592_2020107T19592_0001  CS_OFF_SIR_LRM_TB_20200107T19592_2020107T195932_000107T19592_000107	CS OFFL SIR LRM 1B 20200107T134706 20200107T134941 D001	Loss of echo	
CS_OFFL_SIR_LRM_18_20000107T155032_2000107T15506_0010T1   Loss of echo			
CS_OFFL_SIR_LRM_18_200001077140447_2000107714047072_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077140447_20001077140427_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000107714428_2000107714428_20001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000107714428_2000107714428_20001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20000107714428_2000107714428_20001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077144428_20001077144470_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077144470_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077144470_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077144470_D0010714428_10_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077150748_2000107715470_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077150748_2000107715490_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077154902_2000107715490_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077154902_2000107715490_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077154902_20001077154900_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077154902_2000107716490_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_200001077164492_20001077164931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20001077164492_20001077164931_D001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_2000107			
CS_OFFL_SIR_LRM_1B_2000107T140447_2000107T144291_D001  CS_OFFL_SIR_LRM_1B_2000107T144242_2000107T14427_D001  CS_OFFL_SIR_LRM_1B_2000107T144242_2000107T14427_D001  CS_OFFL_SIR_LRM_1B_2000107T144247_2000107T14428_2			
CS_OFFL_SIR_LRM_18_20001077144282_20001077144283_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20001077144282_20001077144283_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20001077144282_20001077144283_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20001077144282_2000107714428_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20001077144282_2000107714428_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2000107714408_20001077144767_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20001077150748_20001077145716_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20001077150748_20001077153716_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_2000107715403_20001077153716_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20001077154242_20001077155126_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20001077154242_20001077155126_D001 Loss of exho The tracking exho is missing for one or more records CS_OFFL_SIR_LRM_18_20001077164242_2000107716432_2000107716	CS_OFFL_SIR_LRM_1B_20200107T135629_20200107T135642_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LEM_18_20200107T144228_20200107T14425_D001  CS_OFFL_SIR_LEM_18_20200107T144247_20200107T14425_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T144242_20200107T14470_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T14470_20200107T14470_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T14470_20200107T14570_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T14570_20200107T14570_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T151718_20200107T15716_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T151718_20200107T155458_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T154303_20000107T155458_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T154303_20000107T155458_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T154303_2000107T15658_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T15631_20200107T16931_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T16432_20200107T16937_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T16532_20200107T16937_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T16552_20200107T16937_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T16552_20200107T16937_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LEM_18_20200107T16932_20200107T16935_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_L	CS_OFFL_SIR_LRM_1B_20200107T140447_20200107T140752_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFSIR_LRM_18_20200107T144241_20200107T144245_D001	CS_OFFL_SIR_LRM_1B_20200107T143809_20200107T143912_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_18_20200107T144428_2020107T144428_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T144408_2020107T14470_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T14408_20200107T14470_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T14408_20200107T145716_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T15719_20200107T15518_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T154548_20200107T15518_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T15538_2020107T15518_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T15538_2020107T15518_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T15538_2020107T165947_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T16458_20200107T164331_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T16458_20200107T16453_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T166562_20200107T16553_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T166562_20200107T178651_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T166562_20200107T178650_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T186562_20200107T186502_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T186562_2020107T186502_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T196562_2020107T1965602_D001 Loss of echo The tracking echo is missing for one or more re	CS_OFFL_SIR_LRM_1B_20200107T144228_20200107T144237_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_18_20200107T144428_2020107T144428_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T144408_2020107T14470_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T14408_20200107T14470_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T14408_20200107T145716_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T15719_20200107T15518_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T154548_20200107T15518_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T15538_2020107T15518_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T15538_2020107T15518_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T15538_2020107T165947_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T16458_20200107T164331_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T16458_20200107T16453_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T166562_20200107T16553_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T166562_20200107T178651_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T166562_20200107T178650_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T186562_20200107T186502_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T186562_2020107T186502_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFF_SIR_LRM_18_20200107T196562_2020107T1965602_D001 Loss of echo The tracking echo is missing for one or more re	CS OFFL SIR LRM 1B 20200107T144241 20200107T144245 D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20200107T14470_20200107T14470_D001   Loss of echo		Loss of echo	
CS_OFFL_SIR_LRM_18_20200107T144808_2020107T155126_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T15179_20200107T154030_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T15179_20200107T154030_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T154303_20200107T154518_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T1545303_20200107T154518_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T16538_20200107T165126_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T162313_20200107T162747_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T162313_20200107T162747_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T162438_20200107T162747_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T16433_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T16433_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T16453_20200107T16433_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T16553_20200107T16923_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T16553_20200107T16923_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T16553_20200107T180233_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T16553_20200107T190001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T19224_20200107T193032_D001  Loss of echo The tracking echo is missing for one or mor			
CS_OFFL_SIR_LRM_IB_20200107T145218_0200107T15978_0200107T15978_0001  CS_OFFL_SIR_LRM_IB_20200107T15978_0200107T15978_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T15978_0200107T15978_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T15980_2000107T159518_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T159528_0200107T16954_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T16923_0200107T16954_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T16923_0200107T16935_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T16923_0200107T16931_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T16928_0200107T16933_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T169452_0200107T179440_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T169502_0200107T179851_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T179503_0200107T1790303_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T189524_0200107T189576_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T193032_0200107T190000_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T193032_0200107T1930302_0001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T1930302_000107T			· · ·
CS_OFFL_SIR_LRM_IB_20200107T150742_2020107T154030_D001  CS_OFFL_SIR_LRM_IB_20200107T154030_D001  CS_OFFL_SIR_LRM_IB_20200107T154524_20200107T15408_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T154524_20200107T155126_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T154524_20200107T165126_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T154524_20200107T162747_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T162742_2000107T162747_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T164458_20200107T164747_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T164458_20200107T164437_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T165052_20200107T1718440_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T175853_20200107T1788033_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T175853_20200107T1880233_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T178553_20200107T1880233_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T182528_20200107T189204_D0010  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T182528_20200107T182701_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T194105_2020107T194112_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T194115_20200107T194145_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_IB_20200107T194154_D0010  Loss of echo  The tracking ech			
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CS_OFFL_SIR_LRM_1B_20200107T162313_20200107T162747_D001  Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T162482_2020107T164331_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T164435_20200107T164437_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T164453_20200107T17840_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T173250_20200107T17851_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T173250_20200107T178551_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T173250_20200107T182033_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T18253_20200107T182033_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T18252_20200107T18250_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T182202_20200107T18270_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T19305_20200107T193082_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T19305_20200107T193822_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194112_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194115_20200107T194112_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194115_20200107T194453_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194158_20200107T121039_D001 Loss of echo The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212133_20200107T212135_D001 Loss of echo The tracking echo is missing for	CS OFFL SIR LRM 1B 20200107T154524 20200107T155126 D001	Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200107T164248_2020107T164453_D001			U U
CS_OFFL_SIR_LRM_18_20200107T164453_20200107T17840_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T173250_20200107T178823_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T178553_20200107T180233_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T180524_20200107T180800_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T180524_20200107T180500_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T182224_20200107T182756_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T192224_20200107T192701_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T193035_20200107T193022_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T193035_20200107T193822_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T194115_20200107T194112_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T194115_20200107T19412_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T194115_20200107T194145_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T194158_20200107T194455_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T21334_20200107T19405_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T212049_20200107T212039_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T212049_20200107T21205_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_18_20200107T2121383_20200107T21216_			
CS_OFFL_SIR_LRM_1B_20200107T165052_20200107T171840_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T173250_20200107T180800_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T180524_20200107T180800_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T182528_20200107T185756_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T192224_20200107T192701_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T192224_20200107T192701_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T19405_20200107T1940112_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194105_20200107T194112_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194115_20200107T194112_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194158_20200107T19410_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194158_20200107T19415_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194158_20200107T194453_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T21134_20200107T2112108_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T212108_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T212108_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T212108_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T22747_D001 Loss of e		Loss of echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_LRM_1B_20200107T194105_20200107T194112_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194158_20200107T1941212_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194158_20200107T194212_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194214_20200107T194453_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T211334_20200107T211852_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T211959_20200107T212039_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212049_20200107T212039_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212049_20200107T212018_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T212216_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T222335_20200107T222747_D001  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_20200107T231839_20200107T231918_D001  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_20200107T231839_20200107T231918_D001  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  CS_OFFL_SIR_LRM_1B_20200107T231839_20200107T23204_D001  Loss of echo  The tracking echo is missing for one or more records			
CS_OFFL_SIR_LRM_1B_20200107T194115_20200107T194140_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194158_20200107T194212_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T194214_20200107T194453_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T211334_20200107T211852_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T211959_20200107T212039_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212049_20200107T21208_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T21216_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T222335_20200107T222747_D001  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_20200107T231839_20200107T231918_D001  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_20200107T231839_20200107T231918_D001  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_20200107T231920_20200107T231918_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200107T193035_20200107T193822_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T194158_20200107T194212_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T211334_20200107T211852_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T211334_20200107T211852_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T211959_20200107T212039_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212049_20200107T212108_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T21216_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T222335_20200107T222747_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T231839_20200107T231918_D001  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  CS_OFFL_SIR_LRM_1B_20200107T231839_20200107T231918_D001  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  CS_OFFL_SIR_LRM_1B_20200107T231920_20200107T231918_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200107T194105_20200107T194112_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T194214_20200107T211852_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200107T194115_20200107T194140_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T194214_20200107T211852_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200107T194158_20200107T194212_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T211334_20200107T211852_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212039_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212049_20200107T212108_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T212216_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T222335_20200107T222747_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T2231839_20200107T231918_D001  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  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_20200107T231920_20200107T232024_D001  Loss of echo  The tracking echo is missing for one or more records		Loss of echo	
CS_OFFL_SIR_LRM_1B_20200107T211959_20200107T212039_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212049_20200107T212108_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T212216_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T222335_20200107T222747_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T231839_20200107T231918_D001  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  CS_OFFL_SIR_LRM_1B_20200107T231920_20200107T232024_D001  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_20200107T212049_20200107T212108_D001  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  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  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  The tracking echo is missing for one or more records			
CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T212216_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T222335_20200107T222747_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T231839_20200107T231918_D001  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_20200107T231920_20200107T232024_D001  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_20200107T222335_20200107T222747_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T231839_20200107T231918_D001  Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T231920_20200107T232024_D001  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
CS_OFFL_SIR_LRM_1B_20200107T231839_20200107T231918_D001 Loss of echo  The tracking echo is missing for one or more records  CS_OFFL_SIR_LRM_1B_20200107T231920_20200107T232024_D001  Loss of echo  The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200107T212138_20200107T212216_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T231920_20200107T232024_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200107T222335_20200107T222747_D001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20200107T231920_20200107T232024_D001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20200107T231839_20200107T231918_D001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20200107T231920_20200107T232024_D001	Loss of echo	The tracking echo is missing for one or more records
		Loss of echo	

# 4.5 L1B Calibration Usage Check

#### 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:

#### 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:

Product	Test Failed	Description
CS_OFFL_SIR_LRM_1B_20200107T143809_20200107T143912_D001	IECHO EFFOR TEK ECHO EFFOR	The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20200107T155358_20200107T161954_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:

#### 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:

### 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.

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:

CS_OFFL_SIR_LRM_2_20200107T001522_20200107T003026_D001  (Retracker 3), Backscatter Error (Retracker 2), Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error	Product	Test Failed	Description
CS_OFFL_SIR_LRM_2_20200107T003030_20200107T004614_D001  (Retracker 3), Backscatter Error (Retracker 2) and no DEM or Slope Model was used for the location of or (Retracker 2), Surface Model Unavailable or more records  CS_OFFL_SIR_LRM_2_20200107T010248_20200107T011247_D001  CS_OFFL_SIR_LRM_2_20200107T011048_20200107T011247_D001  Height Error (Retracker 2), Backscatter Error (Retracker 2) and backscatter error for Retracker 2 for one or more records  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 for one or more records	CS_OFFL_SIR_LRM_220200107T001522_20200107T003026_D001	(Retracker 3), Backscatter 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 or more records
Error (Retracker 2) records  CS_OFEL_SIR_LRM_2_202001071010246_202001071011247_D001  Error (Retracker 2) records  There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220200107T003030_20200107T004614_D001	(Retracker 3), Backscatter 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 or more records
	CS_OFFL_SIR_LRM_220200107T010248_20200107T011247_D001		There is a height and backscatter error for Retracker 2 for one or more records
	CS_OFFL_SIR_LRM_220200107T011906_20200107T013022_D001		•
CS_OFFL_SIR_LRM_2_20200107T013220_20200107T013400_D001 Surface Model Unavailable No DEM or Slope Model was used for the location of one or more record	CS_OFFL_SIR_LRM_220200107T013220_20200107T013400_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200107T015335_20200107T020852_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_220200107T015335_20200107T020852_D001		
CS_OFFL_SIR_LRM_2_20200107T021032_20200107T022504_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_220200107T021032_20200107T022504_D001		
CS_OFFL_SIR_LRM_2_20200107T024021_20200107T025958_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_220200107T024021_20200107T025958_D001		
CS_OFFL_SIR_LRM_2_20200107T030002_20200107T0300242_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_220200107T030002_20200107T030242_D001		

CS_OFFL_SIR_LRM_220200107T030405_20200107T031229_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_220200107T033258_20200107T033435_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220200107T034135_20200107T040458_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_220200107T041750_20200107T044639_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_2_20200107T050742_20200107T050918_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_220200107T051743_20200107T054402_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_2_20200107T055809_20200107T063137_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_2_20200107T065843_20200107T070157_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_2_20200107T071730_20200107T072334_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_2_20200107T073719_20200107T081022_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_2_20200107T084351_20200107T090306_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_2_20200107T091554_20200107T095014_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_2_20200107T101449_20200107T101926_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_2_20200107T102006_20200107T103758_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_2_20200107T105620_20200107T111337_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_220200107T112545_20200107T112639_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_220200107T114511_20200107T120345_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_2_20200107T120431_20200107T121752_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_220200107T123510_20200107T125050_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_2_20200107T125252_20200107T130213_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_220200107T132939_20200107T134131_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_220200107T141445_20200107T142953_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_220200107T144247_20200107T144426_D001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20200107T150748_20200107T151716_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_220200107T151719_20200107T154030_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_2_20200107T155358_20200107T161954_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_220200107T162910_20200107T162947_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_220200107T165052_20200107T171840_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_220200107T173250_20200107T175851_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_220200107T182528_20200107T185756_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_220200107T200332_20200107T203747_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_2_20200107T205038_20200107T211016_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_220200107T214159_20200107T221552_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_2_20200107T223117_20200107T225836_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_220200107T233743_20200107T233921_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_220200107T233946_20200107T234837_D001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records