

30/08/2021



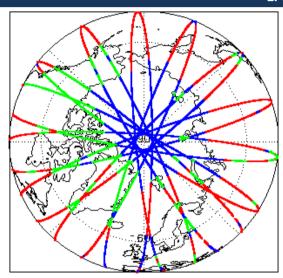
1. Overview

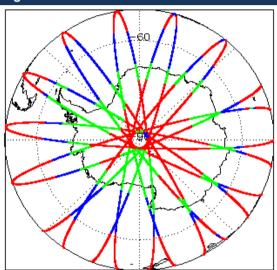
Report Production Date:	29-Sep-2021
Processor Used:	CryoSat Ice Processor
Data Used:	L1B and L2 OFFLINE Data

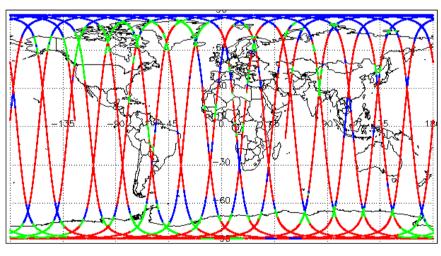
Check	Status
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Star Tracker Usage Check	Nominal
L1B Tracking Flag Check	See Section 4.4
L1B Calibration Usage Check	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
QCC Errors/ Warnings	See Section 6.1, 6.2 and 6.3

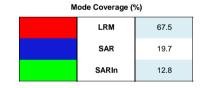
Mission / Instru	ument News
29-Aug-2021	None
30-Aug-2021	None
31-Aug-2021	Nothing planned

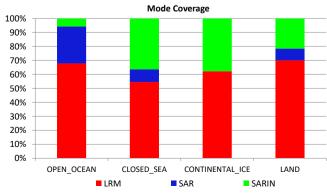
2. Global Coverage

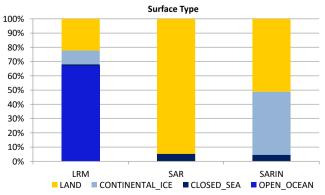












3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

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:

0

4.3 Star Tracker Usage Check

Each product is checked in order to ensure a valid star tracker file has been used in processing.

Number of products with errors:

0

4.4 L1B Tracking Flags Check

CryoSat L1B data includes a tracking flag for each measurement record. 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:

QQ

CS, OFFL, SR, LRM, 19, 2019(SISTITO2505, 2019(SISTITO3505, E001 Los of enho	Product	Test Failed	Description
CS_OFFL_SR_LRM_1B_202108301003532_202108301003555_E001 Loss of exhall The tracking exhall is missing for one or more records CS_OFFL_SR_LRM_1B_2021083010070728_20210830101554_E001 Loss of exhall The tracking exhall is missing for one or more records CS_OFFL_SR_LRM_1B_2021083010070728_20210830101554_E001 Loss of exhall The tracking exhall is missing for one or more records CS_OFFL_SR_LRM_1B_2021083010070728_20210830101554_E001 Loss of exhall The tracking exhall is missing for one or more records CS_OFFL_SR_LRM_1B_2021083010070728_20210830703549_E001 Loss of exhall The tracking exhall is missing for one or more records CS_OFFL_SR_LRM_1B_20210830703248_20210830703258_E001 Loss of exhall CS_OFFL_SR_LRM_1B_202108307032738_20210830703285_E001 Loss of exhall The tracking exhall is missing for one or more records CS_OFFL_SR_LRM_1B_202108307032738_20210830703285_E001 Loss of exhall The tracking exhall is missing for one or more records CS_OFFL_SR_LRM_1B_202108307032322_20210830703285_E001 Loss of exhall The tracking exhall is missing for one or more records CS_OFFL_SR_LRM_1B_202108307033543_E001 Loss of exhall CS_OFFL_SR_LRM_1B_20210830703543_E001 Loss of exhall CS_OFFL_SR_LRM_1B_20210830704543_E001 Loss of exhall CS_OFFL_SR_LRM_1B_20210830705492_20210830705493_E001 Loss of exhall CS_OFFL_SR_LRM_1B_20210830705493_E001 Loss of exhall CS_OFFL_SR_LRM_1B_20210830705493_E001 Loss of exhall CS_OFFL_SR_LRM_1B_20210830707492_20210830705493_E001 Loss of exhall CS_OFFL_SR_LRM_1B_20210830707492_20210830707493_E	CS_OFFL_SIR_LRM_1B_20210830T002805_20210830T003312_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_L SR_LRM_1B_20210830702067_20210830702058_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830702078_202108307021094_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830702109_202108307021409_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_202108307021109_202108307021409_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_202108307021109_202108307021409_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_202108307022107_202108307022813_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830702278_202108307022813_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830702278_20210830702281_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830703278_20210830703231_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830703528_20210830703531_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830703528_20210830703531_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830703528_20210830703531_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830703528_20210830703531_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830703528_20210830703431_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_202108307034300_20210830703431_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_20210830703428_20210830703439_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_L SR_LRM_1B_2021080707492_20210830703439_E001 Loss of echo The tracking echo	CS_OFFL_SIR_LRM_1B_20210830T003346_20210830T003446_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SR_LRM_18_20210830T002722_0210830T015154_E001 CS_OFFL_SR_LRM_18_20210830T01722_0210830T015154_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T02110_20210830T021430_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T021448_20210830T02213_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T02213_20210830T02213_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T022733_20210830T022357_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T022733_20210830T022357_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T032232_20210830T03256_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T032322_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SR_LRM_18_20210830T03540_E003 Loss	CS_OFFL_SIR_LRM_1B_20210830T003532_20210830T003605_E001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL, SIR, LEM, 18, 20210830T00722, 20210830T003021 E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T0021448, 20210830T0021520, E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T0021429, 20210830T0022513, E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T002252, 20210830T0022513, E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T002322, 20210830T0032512, E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T003232, 20210830T0032512, E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T003232, 20210830T033412, E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T003423, 20210830T033451, E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T003432, 20210830T033451, E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T003452, 20210830T033451, E001 Loss of eitho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T003452, 20210830T034512, E001 Loss of etho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T004522, 20210830T04512, E001 Loss of etho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T040322, 20210830T043559, E001 Loss of etho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T040322, 20210830T043359, E001 Loss of etho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T06432, 20210830T06433, E001 Loss of etho The tracking etho is missing for one or more records CS, OFFL, SIR, LEM, 18, 20210830T06432, 20210830T06432, E001 Loss of etho The tracking etho is miss	CS_OFFL_SIR_LRM_1B_20210830T003607_20210830T003613_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_IB_20210830T02731_20210830T024140_E001 CS_OFF_SIR_LRM_IB_20210830T02110_20210830T024140_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T02410_20210830T02415_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T02210_20210830T02237_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T02210_20210830T02321_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T02232_20210830T03345_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T032343_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T032431_2010830T033431_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T034312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T034312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T03430_20210830T034312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T03622_20210830T034312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T03622_20210830T034312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T036402_20210830T03430_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T036402_20210830T036402_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T036402_20210830T036402_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T076402_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_IB_20210830T076402_E001 Loss of echo The tracking echo is missing fo	CS_OFFL_SIR_LRM_1B_20210830T003616_20210830T005706_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LEM_IB_20210830T021100_20210830T021430_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T022170_20210830T02251_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T022252_2021080T003257_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T022252_2021080T003257_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T022252_2021080T003511_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T032538_20210830T033511_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T035258_20210830T04312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T045322_20210830T04312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T045322_20210830T04312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T046222_20210830T04312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T046222_20210830T04312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T046282_20210830T043390_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T046428_20210830T043390_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T070454_20210830T072645_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T077555_20210830T073380_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T077555_20210830T073330_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LEM_IB_20210830T077555_20210830T073330_E001 Loss of echo T	CS_OFFL_SIR_LRM_1B_20210830T010729_20210830T011534_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210830T021448_20210830T022915_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T022922_20210830T033915_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T032282_20210830T033915_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T032382_20210830T033911_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T035283_20210830T035311_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T035432_20210830T035911_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T035923_20210830T035926_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T035923_20210830T0343124_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T035923_20210830T063329_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T062247_20210830T063399_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T062247_20210830T063439_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T06247_20210830T063431_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T06247_20210830T06343_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T070754_20210830T073338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T070754_20210830T073338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T070752_202010830T073338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T0707532_202010830T073328_E001 Loss	CS_OFFL_SIR_LRM_1B_20210830T020731_20210830T020821_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFF_SIR_LRM_18_202108307022107_20210830702335_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830703232_20210830703335_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830703233_20210830703331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830703543_20210830703543_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830703543_202108307035550_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830703543_202108307043550_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830705432_20210830704312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830705432_20210830704312_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830705402_20210830706430_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830705402_20210830706430_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830706340_202108307064431_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830706340_202108307064431_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830707340_202108307074402_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830707235_202108307074025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830707235_202108307074025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830707235_202108307074025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFF_SIR_LRM_18_20210830707233_202108307074025_E001 Loss of echo The tracking echo is missing for	CS_OFFL_SIR_LRM_1B_20210830T021100_20210830T021430_E001	Loss of echo	The tracking echo is missing for one or more records
CS OFFL SIR LRM, 18, 20210830T032322, 20210830T032357, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T033232, 20210830T033436, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T03541, 20210830T035433, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T035432, 20210830T035453, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T035435, 20210830T035450, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T036407, 20210830T035405, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T056022, 20210830T054508, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T056022, 20210830T054508, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T0560407, 20210830T054305, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T056047, 20210830T054305, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T06407, 20210830T064431, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T0767407, 20210830T076251, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T077740, 20210830T077285, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T077748, 20210830T077285, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T077478, 20210830T077455, E001 Loss of echo The tracking echo is missing for one or more records CS OFFL SIR LRM, 18, 20210830T077578, 20210830T078257, E001 Loss of echo The tracking echo is missing for one	CS_OFFL_SIR_LRM_1B_20210830T021448_20210830T021529_E001	Loss of echo	The tracking echo is missing for one or more records
CS, OFFL, SIR, LRM, 18, 202108307035222, 202108307035318, E001 CS, OFFL, SIR, LRM, 18, 202108307035238, 202108307035315, E001 CS, OFFL, SIR, LRM, 18, 202108307035435, 202108307035505, E001 CS, OFFL, SIR, LRM, 18, 202108307035435, 202108307035505, E001 CS, OFFL, SIR, LRM, 18, 202108307035435, 202108307040117, E001 CS, OFFL, SIR, LRM, 18, 202108307035632, 202108307040117, E001 CS, OFFL, SIR, LRM, 18, 202108307035632, 202108307040117, E001 CS, OFFL, SIR, LRM, 18, 20210830705602, 202108307040117, E001 CS, OFFL, SIR, LRM, 18, 202108307056022, 202108307051508, E001 CS, OFFL, SIR, LRM, 18, 202108307056022, 20210830705359, E001 CS, OFFL, SIR, LRM, 18, 202108307062402, 202108307063431, E001 CS, OFFL, SIR, LRM, 18, 202108307063402, 202108307063435, E001 CS, OFFL, SIR, LRM, 18, 202108307063402, 202108307063431, E001 CS, OFFL, SIR, LRM, 18, 202108307063407, 202108307064431, E001 CS, OFFL, SIR, LRM, 18, 202108307063407, 202108307064432, E001 CS, OFFL, SIR, LRM, 18, 2021083070764074, 202108307065423, E001 CS, OFFL, SIR, LRM, 18, 2021083070764074, 202108307076251, E001 CS, OFFL, SIR, LRM, 18, 202108307072555, 202108307072308, E001 CS, OFFL, SIR, LRM, 18, 202108307072555, 202108307073208, E001 CS, OFFL, SIR, LRM, 18, 202108307072555, 2021083070734025, E001 CS, OFFL, SIR, LRM, 18, 202108307072574, 202108307073405, E001 CS, OFFL, SIR, LRM, 18, 202108307072759, 202108307073405, E001 CS, OFFL, SIR, LRM, 18, 202108307072758, 20210830708439, E001 CS, OFFL, SIR, LRM, 18, 202108307072759, 20210830708439, E001 CS, OFFL, SIR, LRM, 18, 202108307076303, 202108307084378, E001 CS, OFFL, SIR, LRM, 18, 202108307076303, 202108307084378, E001 CS, OFFL, SIR, LRM, 18, 202108307078303, 202108307084378, E001 CS, OFFL, SIR, LRM, 18, 20210830708273, 20210830708439, E001 CS, OFFL, SIR, LRM, 18, 20210830708273, 20210830708439, E001 CS, OFFL, SIR, LRM, 18, 20210830708293, 20210830708237, E001 CS, OFFL, SIR, LRM, 18, 20210830708293, 202108307082378, E001 CS, OFFL, SIR, LRM, 18, 20210830708293, 202108307082378, E001 CS, OFF	CS_OFFL_SIR_LRM_1B_20210830T022107_20210830T022613_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830703538_202108307035511_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307035452_202108307035550_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307035452_202108307040117_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307035622_202108307043124_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830705622_20210830705305_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307062402_202108307063305_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307062402_202108307063305_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307062402_202108307063405_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307062402_202108307063403_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307076742_202108307072805_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307077285_202108307072805_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307072855_202108307072802_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307072855_202108307072802_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307072785_202108307073202_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307073782_2021083070821001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307073782_202108307081737_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307082901_20210830708237_E00	CS_OFFL_SIR_LRM_1B_20210830T022738_20210830T023257_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_202108307035431_20210830705433_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307035623_202108307040117_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830703623_202108307040117_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830706222_02108307051508_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830706222_0210830705305_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307063407_202108307063359_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307063407_202108307063405_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307063407_202108307063415_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830707054402_020108307063405_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_2021083070705420_2010830707233E_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830707754_20210830707233E_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307072557_20210830707232E_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307072557_202108307073202_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307072557_202108307073202_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830707257_202108307073202_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307077255_2021083070817372_E001 Loss of eche The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_202108307082014_20210830708237_E001 Loss of eche The tracking echo is missing for	CS_OFFL_SIR_LRM_1B_20210830T032322_20210830T033456_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210830T035435_20210830T04117_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T035623_20210830T04117_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T056222_20210830T051508_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T065247_20210830T063405_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T063402_20210830T063405_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T063407_20210830T063405_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T076420_20210830T063423_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T07754_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T077555_20210830T072385_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T077555_20210830T072302_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T077450_20210830T073202_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T074758_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T074758_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T074758_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T0747578_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T08203_20210830T081737_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T082303_20210830T082303_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_IB_20210830T082804_2021	CS_OFFL_SIR_LRM_1B_20210830T035238_20210830T035311_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210830T035623_20210830T043124_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T062247_20210830T05359_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T062247_20210830T05359_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T062402_20210830T06339_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T063402_20210830T063405_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T064820_20210830T064431_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T07754_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T07255_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T07255_20210830T073230_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T072320_20210830T073202_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T072320_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T073230_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T074718_20210830T081125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T082307_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T082307_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T082331_E001 Loss of echo The tracking echo is	CS_OFFL_SIR_LRM_1B_20210830T035411_20210830T035433_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210830T06422_20210830T051508_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T066422_20210830T051508_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T063402_20210830T063359_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T063402_20210830T063405_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T06420_20210830T064423_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T07442_20210830T072388_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T072355_20210830T072381_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T072355_20210830T072381_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T073230_20210830T07302_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T07305_20210830T074025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T0730730_20210830T074125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T074718_20210830T08237_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T08230_20210830T083737_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T08233_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T082330_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T082330_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_18_20210830T082845_20210830T082844_E0	CS_OFFL_SIR_LRM_1B_20210830T035435_20210830T035550_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T050622_20210830T05359_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T06247_20210830T063405_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T063407_20210830T063405_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T063407_20210830T063403_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T0707554_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072555_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072555_20210830T072302_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072552_20210830T072302_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T073230_20210830T074905_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T0830T081305_20210830T08137_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T08237_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08230_20210830T08233_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08233_20210830T08233_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08233_20210830T08233_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082402_20210830T08240_	CS_OFFL_SIR_LRM_1B_20210830T035623_20210830T040117_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T062247_20210830T063359_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T063402_20210830T06431_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T064820_20210830T065423_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T07255_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T07255_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T07255_20210830T072328_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T07255_20210830T073202_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T073202_20210830T074955_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T073728_20210830T074955_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T075728_20210830T081125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082018205_20210830T081737_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08203_20210830T08237_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08233_20210830T08237_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08233_20210830T08238_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082808_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082808_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082803_20210830T082845_E00	CS_OFFL_SIR_LRM_1B_20210830T042830_20210830T043124_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T063402_20210830T063405_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T064820_20210830T065423_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072555_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072555_20210830T072555_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072555_20210830T073202_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072557_20210830T074025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T081125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082130_20210830T081737_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08230_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T08231_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08240_20210830T082801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08245_20210830T082801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082802_20210830T084834_E001 Loss of echo The tracking echo is missing	CS_OFFL_SIR_LRM_1B_20210830T050622_20210830T051508_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T063407_20210830T064431_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T07554_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072555_20210830T072351_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072957_20210830T073202_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T073202_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T075728_20210830T081125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08730T8030T81125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T08237_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082332_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T08484_E001 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	CS_OFFL_SIR_LRM_1B_20210830T062247_20210830T063359_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_18_20210830T064820_20210830T072338_E001 CS_OFFL_SIR_LRM_18_20210830T072555_20210830T072338_E001 CS_OFFL_SIR_LRM_18_20210830T072555_20210830T072851_E001 CS_OFFL_SIR_LRM_18_20210830T072957_20210830T073202_E001 CS_OFFL_SIR_LRM_18_20210830T073230_20210830T073202_E001 CS_OFFL_SIR_LRM_18_20210830T073230_20210830T073202_E001 CS_OFFL_SIR_LRM_18_20210830T073230_20210830T073405_E001 CS_OFFL_SIR_LRM_18_20210830T074718_20210830T074950_E001 CS_OFFL_SIR_LRM_18_20210830T075728_20210830T081737_E001 CS_OFFL_SIR_LRM_18_20210830T0875728_20210830T081737_E001 CS_OFFL_SIR_LRM_18_20210830T0830T08230_E001 CS_OFFL_SIR_LRM_18_20210830T08230_20210830T082738_E001 CS_OFFL_SIR_LRM_18_20210830T08230_20210830T082331_E001 CS_OFFL_SIR_LRM_18_20210830T082333_20210830T082331_E001 CS_OFFL_SIR_LRM_18_20210830T082333_20210830T082331_E001 CS_OFFL_SIR_LRM_18_20210830T082333_20210830T082300_E001 CS_OFFL_SIR_LRM_18_20210830T082333_20210830T082300_E001 CS_OFFL_SIR_LRM_18_20210830T082333_20210830T082300_E001 CS_OFFL_SIR_LRM_18_20210830T082845_20210830T082901_E001 CS_OFFL_SIR_LRM_18_20210830T082845_20210830T082901_E001 CS_OFFL_SIR_LRM_18_20210830T082903_20210830T08440_E001 CS_OFFL_SIR_LRM_18_20210830T082903_20210830T08440_E001 CS_OFFL_SIR_LRM_18_20210830T082903_20210830T08440_E001 CS_OFFL_SIR_LRM_18_20210830T082903_20210830T08440_E001 CS_OFFL_SIR_LRM_18_20210830T082903_20210830T08440_E001 CS_OFFL_SIR_LRM_18_20210830T084562_20210830T084440_E001 CS_OFFL_SIR_LRM_18_20210830T084562_20210830T084560_E001 CS_OFFL_SIR_LRM_18_20210830T084562_20210830T084560_E001 CS_OFFL_SIR_LRM_18_20210830T084562_20210830T085766_E001 CS_OFFL_SIR_LRM_18_20210830T085829_20210830T09556_E001 CS_OFFL_SIR_LRM_18_20210830T095708_2001E001 CS_OFFL_SIR_LRM_18_20210830T095708_E001 CS_OFFL_SIR_LRM_18_20210830T095708_E001 CS_OFFL_SIR_LRM_18_20210830T095708_E001 CS_OFFL_SIR_LRM_18_20210830T095708_E001 CS_OFFL_SIR_LRM_18_20210830T095708_E001 CS_OFFL_SIR_LRM_18_20210830T095708_E001 CS_OFFL_SIR_LRM_18_20210830T095708_E001 CS_OFFL_SIR_LRM_18_2021	CS_OFFL_SIR_LRM_1B_20210830T063402_20210830T063405_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T070754_20210830T072338_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T072555_20210830T073202_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T073230_20210830T074025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T081305_20210830T081125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T081737_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T082327_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T083440_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085766_E001 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 miss	CS_OFFL_SIR_LRM_1B_20210830T063407_20210830T064431_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T072555_20210830T072851_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T073230_20210830T074025_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T075728_20210830T081125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T081305_20210830T081737_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T08237_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08230_20210830T08231_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08233_20210830T08231_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T08233_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082803_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T095706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T095706_E001 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 ec	CS_OFFL_SIR_LRM_1B_20210830T064820_20210830T065423_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T072957_20210830T073202_E001 CS_OFFL_SIR_LRM_1B_20210830T073230_20210830T074025_E001 CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001 CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001 CS_OFFL_SIR_LRM_1B_20210830T075728_20210830T081125_E001 CS_OFFL_SIR_LRM_1B_20210830T075728_20210830T081125_E001 CS_OFFL_SIR_LRM_1B_20210830T081305_20210830T081737_E001 CS_OFFL_SIR_LRM_1B_20210830T081305_20210830T081737_E001 CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T082327_E001 CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001 CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001 CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T082331_E001 CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T08238_E001 CS_OFFL_SIR_LRM_1B_20210830T08241_20210830T082800_E001 CS_OFFL_SIR_LRM_1B_20210830T08241_20210830T082800_E001 CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T0824804_E001 CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T0824804_E001 CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T0824814_E001 CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T084834_E001 CS_OFFL_SIR_LRM_1B_20210830T082803_20210830T084834_E001 CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084901_E001 CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084901_E001 CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084901_E001 CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084901_E001 CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084901_E001 CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084901_E001 CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084901_E001 CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T0954901_E001 CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T0954901_E001 CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T0954901_E001 CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T0954901_E001 CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T0954901_E001 CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T0954901_E001 CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T0	CS_OFFL_SIR_LRM_1B_20210830T070754_20210830T072338_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T073230_20210830T074950_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T081125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T0875728_20210830T081125_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T081305_20210830T08137_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T08237_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T08278_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082741_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 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_20210830T082804_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T083440_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 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_20210830T085829_20210830T095956_E001 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_20210830T072555_20210830T072851_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T081305_20210830T081737_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T08237_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T082337_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082738_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082741_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082840_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T084951_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084627_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T095956_E001 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_20210830T085829_20210830T095956_E001 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 missin	CS_OFFL_SIR_LRM_1B_20210830T072957_20210830T073202_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T0875728_20210830T081737_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T082327_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082337_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T08273B_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082801_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T084844_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T0845706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T092102_E001 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_20210830T093708_20210830T092102_E001 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_20210830T093708_20210830T095956_E001 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_20210830T093708_20210830T095956_E001 Loss of echo The tra	CS_OFFL_SIR_LRM_1B_20210830T073230_20210830T074025_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T081305_20210830T082327_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082331_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082331_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T082738_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082741_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T083440_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084627_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T095956_E001 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_20210830T085829_20210830T095956_E001 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_20210830T093708_20210830T095956_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210830T074718_20210830T074950_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T082314_20210830T082327_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T082738_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082741_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T083440_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084627_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T092102_E001 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_20210830T085829_20210830T095956_E001 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_20210830T093708_20210830T095956_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210830T075728_20210830T081125_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082331_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082800_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T082901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084627_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T092102_E001 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_20210830T095956_E001 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_20210830T093708_20210830T095956_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210830T081305_20210830T081737_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T082738_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T083440_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084627_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T092102_E001 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_20210830T085829_20210830T095956_E001 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_20210830T093708_20210830T095956_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210830T082014_20210830T082327_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082805_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T083440_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084627_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T092102_E001 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	CS_OFFL_SIR_LRM_1B_20210830T082330_20210830T082331_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T083440_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084627_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T092102_E001 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_20210830T093708_20210830T095956_E001 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_20210830T093708_20210830T095956_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210830T082333_20210830T082738_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T082845_20210830T082901_E001 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_20210830T084627_20210830T084834_E001 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_20210830T084956_20210830T085706_E001 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_20210830T085829_20210830T092102_E001 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	CS_OFFL_SIR_LRM_1B_20210830T082741_20210830T082800_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T082903_20210830T083440_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084627_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T092102_E001 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	CS_OFFL_SIR_LRM_1B_20210830T082804_20210830T082815_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T084627_20210830T084834_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T092102_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T093708_20210830T095956_E001 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_20210830T082845_20210830T082901_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001 Loss of echo The tracking echo is missing for one or more records CS_OFFL_SIR_LRM_1B_20210830T093708_20210830T095956_E001 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_20210830T082903_20210830T083440_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T092102_E001 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_20210830T084627_20210830T084834_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T093708_20210830T095956_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210830T085829_20210830T092102_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T100336_20210830T100432_E001 Loss of echo The tracking echo is missing for one or more records	CS_OFFL_SIR_LRM_1B_20210830T093708_20210830T095956_E001	Loss of echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_LRM_1B_20210830T100336_20210830T100432_E001	Loss of echo	The tracking echo is missing for one or more records

CS_OFFL_SIR_LRM_1B_20210830T100609_20210830T100630_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T100632_20210830T100945_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T102448_20210830T102544_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T102706_20210830T110044_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T111640_20210830T114256_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T114259_20210830T114308_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T114310_20210830T114311_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T114314_20210830T114826_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T114826_20210830T115422_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T125544_20210830T131108_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T131110_20210830T131149_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T131151_20210830T131221_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T131228_20210830T131448_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T131450_20210830T1312024_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T132203_20210830T132312_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T132450_20210830T132512_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_IB_20210830T132430_20210830T13253T_E001 CS_OFFL_SIR_LRM_1B_20210830T133020_20210830T133102_E001	Loss of echo	3
		The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T133134_20210830T133307_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T144742_20210830T144923_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T144939_20210830T145158_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T145203_20210830T145650_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T145833_20210830T150116_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T150401_20210830T150512_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T152116_20210830T153348_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T153634_20210830T155736_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T162655_20210830T163413_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T170138_20210830T170917_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T171056_20210830T173640_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T174502_20210830T174733_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T175546_20210830T180816_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T182731_20210830T182853_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T183959_20210830T184611_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T184827_20210830T185909_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T190112_20210830T191551_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T193311_20210830T194409_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T194412_20210830T194503_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T194521_20210830T194619_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T194943_20210830T200602_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T201851_20210830T202203_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T202205_20210830T203222_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T211048_20210830T214425_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T215729_20210830T220340_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T220343_20210830T220406_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T220432_20210830T220441_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T220443_20210830T220454_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T220456_20210830T220505_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T221027_20210830T221054_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T221101_20210830T223144_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T224923_20210830T231542_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T231552_20210830T231557_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T231600_20210830T231641_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T231643_20210830T231733_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T231737_20210830T231741_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T233831_20210830T234401_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T234507_20210830T234854_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T234857_20210830T234900_E001	Loss of echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_LRM_1B_20210830T234903_20210831T001306_E001	Loss of echo	The tracking echo is missing for one or more records
	•	

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_20210830T072957_20210830T073202_E001		The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo
CS_OFFL_SIR_LRM_1B_20210830T084956_20210830T085706_E001		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: 0

5.4 L2 Auxiliary Correction Error Check

CryoSat L2 data includes a correction error flag (field 30) for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

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: 204

Product	Test Failed	Description
	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_20210830T002612_20210830T002645_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
	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_220210830T003616_20210830T005706_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
	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_2_20210830T012056_20210830T015255_E001	Height Error (Retracker 2), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 for one or more records
	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_220210830T025929_20210830T032036_E001	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_220210830T032322_20210830T033456_E001	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_220210830T034410_20210830T034857_E001	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_220210830T035623_20210830T040117_E001	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_220210830T040403_20210830T040928_E001	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_20210830T041116_20210830T042120_E001	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_20210830T043852_20210830T050442_E001	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_20210830T050622_20210830T051508_E001	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_220210830T052741_20210830T053432_E001	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_220210830T053445_20210830T055902_E001	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_20210830T062247_20210830T063359_E001	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_220210830T063407_20210830T064431_E001	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_220210830T070754_20210830T072338_E001	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_220210830T073230_20210830T074025_E001	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_220210830T075728_20210830T081125_E001	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_220210830T081305_20210830T081737_E001	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_220210830T084627_20210830T084834_E001	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_220210830T084956_20210830T085706_E001	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_220210830T085829_20210830T092102_E001	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_220210830T093708_20210830T095956_E001	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_220210830T102706_20210830T110044_E001	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_220210830T111640_20210830T114256_E001	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_220210830T114826_20210830T115422_E001	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_220210830T120855_20210830T121142_E001	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_20210830T121211_20210830T123846_E001	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_220210830T125544_20210830T131108_E001	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_220210830T131450_20210830T132024_E001	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_220210830T133134_20210830T133307_E001	Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2)	There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records

	Height Error (Retracker 2), Height Error	L
CS_OFFL_SIR_LRM_220210830T134503_20210830T141823_E001	(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_220210830T144742_20210830T144923_E001	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_220210830T150401_20210830T150512_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_20210830T152116_20210830T153348_E001	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_220210830T153634_20210830T155736_E001	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_20210830T161504_20210830T162507_E001	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_220210830T162655_20210830T163413_E001	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_20210830T163509_20210830T163915_E001	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_220210830T170138_20210830T170917_E001	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_220210830T171056_20210830T173640_E001	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_220210830T175546_20210830T180816_E001	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_220210830T180844_20210830T182605_E001	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_220210830T183959_20210830T184611_E001	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_220210830T184827_20210830T185909_E001	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_220210830T190112_20210830T191551_E001	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_220210830T193311_20210830T194409_E001	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_220210830T194943_20210830T200602_E001	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_220210830T204037_20210830T205429_E001	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_220210830T211048_20210830T214425_E001	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_220210830T220343_20210830T220406_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210830T220443_20210830T220454_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210830T220456_20210830T220505_E001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_220210830T221101_20210830T223144_E001	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_220210830T224923_20210830T231542_E001	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_220210830T234903_20210831T001306_E001	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_SAR_220210830T001718_20210830T002456_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210830T002530_20210830T002611_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210830T005706_20210830T005918_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220210830T010337_20210830T010604_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T011646_20210830T012056_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T015648_20210830T020318_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T020318_20210830T020453_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T021015_20210830T021100_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210830T021717_20210830T021753_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T023258_20210830T023606_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T024125_20210830T024540_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T025528_20210830T025928_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T032037_20210830T032322_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T033456_20210830T034218_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T034218_20210830T034400_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T034404_20210830T034410_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T034857_20210830T035238_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T035311_20210830T035411_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T035551_20210830T035623_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T040929_20210830T041116_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T042120_20210830T042525_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T043505_20210830T043547_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T043606_20210830T043852_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T050443_20210830T050622_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T051509_20210830T051615_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T051634_20210830T052115_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T052115_20210830T052234_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T052324_20210830T052328_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T052522_20210830T052532_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T052605_20210830T052645_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T053432_20210830T053445_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T055902_20210830T060603_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T061657_20210830T061804_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220210830T062156_20210830T062247_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T064431_20210830T064615_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T065423_20210830T065956_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T065956_20210830T070113_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T074025_20210830T074113_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T075620_20210830T075728_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T081125_20210830T081304_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T081738_20210830T082014_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T083440_20210830T083554_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T083634_20210830T083649_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T083650_20210830T084048_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T084257_20210830T084357_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T092103_20210830T092326_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T093556_20210830T093708_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210830T101215_20210830T101237_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210830T101237_20210830T102002_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_2_20210830T110044_20210830T110303_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T111413_20210830T111640_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T115422_20210830T120034_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T121142_20210830T121211_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T123847_20210830T124242_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T125349_20210830T125544_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T132024_20210830T132155_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T132313_20210830T132450_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T133308_20210830T133310_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T133408_20210830T134157_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T141823_20210830T142228_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T143209_20210830T143740_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T144119_20210830T144741_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T150117_20210830T150309_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T150532_20210830T150814_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T151234_20210830T152115_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T153349_20210830T153634_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T155736_20210830T155953_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

CS_OFFL_SIR_SAR_220210830T161120_20210830T161504_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T162508_20210830T162655_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T163915_20210830T164606_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T164855_20210830T164927_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T165338_20210830T170138_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T170918_20210830T171056_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T173641_20210830T173754_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T174922_20210830T175545_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T180817_20210830T180844_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T183244_20210830T183814_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T183903_20210830T183959_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T184732_20210830T184827_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T185909_20210830T190112_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T191551_20210830T191700_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T192806_20210830T193059_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T193206_20210830T193311_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T200858_20210830T200937_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T201149_20210830T201851_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T203223_20210830T204037_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T205429_20210830T205546_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T210909_20210830T211048_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T215013_20210830T215524_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T215559_20210830T215729_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T223145_20210830T223212_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T223222_20210830T223232_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T223326_20210830T223605_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T224743_20210830T224923_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T232756_20210830T233543_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SAR_220210830T233558_20210830T233800_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3) Backscatter Error (Retracker 2),	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210830T001216_20210830T001717_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T002456_20210830T002530_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T002645_20210830T002805_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T010605_20210830T010729_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T011535_20210830T011646_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records

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CS_OFFL_SIR_SIN_220210830T015255_20210830T015423_E001	track Angle Error, Surface model	detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records There is a backscatter error for Retracker 2 and 3, an ambiguous angle was
CS_OFFL_SIR_SIN_220210830T015516_20210830T015648_E001	Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T020713_20210830T020731_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20210830T020852_20210830T021014_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20210830T021529_20210830T021717_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210830T024541_20210830T024706_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T025223_20210830T025528_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T034401_20210830T034404_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210830T042525_20210830T042830_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T043124_20210830T043505_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210830T043547_20210830T043606_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210830T051616_20210830T051633_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T052235_20210830T052324_E001	Backscatter Error (κetracker ∠), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T052328_20210830T052521_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210830T052532_20210830T052604_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20210830T052655_20210830T052741_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_2_20210830T060603_20210830T060837_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_2_20210830T061032_20210830T061254_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T061523_20210830T061657_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T064616_20210830T064820_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_2_20210830T070114_20210830T070233_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T070632_20210830T070754_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T074114_20210830T074718_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T074950_20210830T075013_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T075440_20210830T075619_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T083554_20210830T083634_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T084049_20210830T084222_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T084227_20210830T084257_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T084357_20210830T084626_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T085706_20210830T085828_E001	unavailable Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210830T092327_20210830T092502_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T093355_20210830T093556_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T100031_20210830T100336_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records
CS_OFFL_SIR_SIN_2_20210830T100432_20210830T100609_E001	SARIn X-track Angle Error, Surface model unavailable	An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records

CS_OFFL_SIR_SIN_220210830T102002_20210830T102447_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T110304_20210830T110432_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T110613_20210830T110718_E001	SARIn X-track Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T111145_20210830T1111413_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T120035_20210830T120855_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error, Surface model unavailable	There is a backscatter error for Retracker 2 and 3, an ambiguous angle was detected for SARIn mode, and no DEM or Slope Model was used for the location for one or more records
CS_OFFL_SIR_SIN_220210830T124243_20210830T124634_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T125224_20210830T125349_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), SARIn X- track Angle Error	There is a backscatter error for Retracker 2 and 3 and an ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220210830T132827_20210830T132949_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records
CS_OFFL_SIR_SIN_220210830T133103_20210830T133133_E001	Backscatter Error (Retracker 2), Backscatter Error (Retracker 3)	There is a backscatter error for Retracker 2 and 3 for one or more records

6. QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_LRM_1B	157	0	0	0	0
SIR_SAR_1B	116	0	0	0	0
SIR_SIN_1B	110	0	0	0	0
SIR_LRM_2	157	0	0	0	0
SIR_SAR_2	110	0	0	0	0
SIR_SIN_2	116	0	0	0	0
SIR_GDR_2	14	0	0	0	0

6.1 QCC Errors

Number of products with QCC errors:

0

6.2 QCC Warnings

Number of QCC reports with warnings

0

6.2 Missing QCC Reports

Number of products with missing QCC reports:

0