

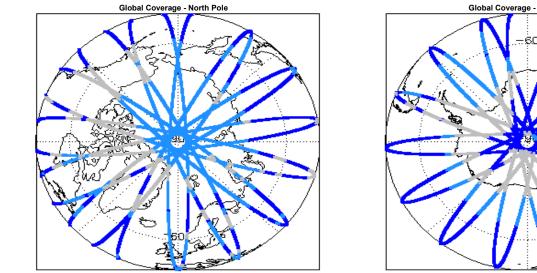
# IDEAS+ Daily Report for OFFLINE data:

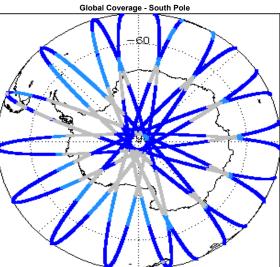
<u>18/04/2015</u>

port Production Date:	14-Aug-2015	Check	Status
eport Froduction Date.		Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	CryoSat Ice Processor	Server check: calval-pds.cryosat.esa.int	Nominal
		Product Software Check	Nominal
	L1B and L2 OFFLINE Data	Product Format Check	Nominal
Data Used:		Product Header Analysis	Nominal
		Star Tracker Usage Check	Nominal
		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 4.7 and 5.5

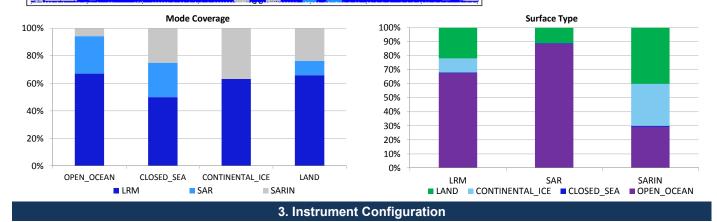
17-Apr-2015	NULLE
18-Apr-2015	None
19-Apr-2015	Nothing planned







Mode Coverage (%)		
	LRM	66.3
	SAR	20.7
	SARIn	13.0



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

#### Number of products with errors.

## 4.3 Star Tracker Usage Check

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

Number of products with errors:

## 4.4 L1B Calibration Usage Check

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

0

Number of products with errors:

## 4.5 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0

#### 4.6 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:

#### 4.7 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: 1

Test Failed

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Product

CS\_OFFL\_SIR\_LRM\_1B\_20150418T155415\_20150418T155721\_C001

Echo error, TRK echo error

Description The tracking echo has returned an error and the Rx1 Echo Error flag is set, indicating a degraded echo

## 5. Level 2 Data Quality Check

## 5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a product file (.DBL).

Number of products with errors:

#### 5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are carried out on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

#### 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 0

#### 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:

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## 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.

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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.

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Big. Gen. J. Big. J. 2010/017723144, 2010/01170000         Insplit Conc (Proceeder 2). Sectors         The six begin and baseador with or for sectors 20 or or new concepts           Big. Chill, Dist. J. 2010/01170000, 2010/011700000, 2001         School Maxwell Januards         No Efford of Spatial Statustical           Big. Chill, Dist. J. 2010/01170001, 2010/011700000, 2001         School Maxwell Januards         No Efford of Spatial Statustical           Big. Chill, Dist. J. 2010/01170001, 2010/011700001, 2001         School Maxwell Januards         No Efford of Spatial Statustical           Big. Chill, Dist. J. 2010/01170001, 2010/011700001, 2001         School Maxwell Januards         No Efford of Spatial Statustical           Big. Chill, Dist. J. 2010/01170001, 2010/011700001, 2001         School Maxwell Januards         No Efford Spatial Statustical           Big. Chill, Dist. J. 2010/01170001, 2010/011700001, 2001         School Maxwell Januards         No Efford Spatial Statustical           Big. Chill, Dist. J. 2010/01100000, 2010/01160000, 2001         Philip Ring Restatustical Januards         No Efford Spatial Statustical           Big. Chill, Dist. J. 2010/01100000, 2010/01160000, 2001         Philip Ring Restatustical Januards         No Efford Spatial Statustical           Big. Chill, Dist. J. 2010/01100000, 2001         Philip Ring Restatustical Januards         No Efford Spatial Statustical           Big. Chill, Dist. J. 2010/01100000, 2001         Philip Ring Restatustical Januards         No Efford Spatial Statustical R	Product	Test Failed	Description
$\begin{aligned} S_1 Or T_S B_1 UR J_2 Or 500 H15703241 (20160 H15703201, CO11 Sector 2016 H15703201, CO11 H1570201, CO11 H1570$		Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
<ul> <li>So OFT, SR URA 2, 24100419100039 (200419100039 (200419100039) (200419100039 (20041910027))</li> <li>SR URA 2, 24100419100319 (20041910027) (20041910027)</li> <li>SR URA 2, 24100419100319 (20041910027) (20041910027)</li> <li>SR URA 2, 241004191002719 (20041910027) (20041910027)</li> <li>SR URA 2, 241004191002719 (20041910027) (20041910027)</li> <li>SR URA 2, 241004191002719 (20041910027) (20041910027)</li> <li>SR URA 2, 24100419100271 (20041910027) (20041910027)</li> <li>SR URA 2, 24100419100271 (20041910027) (20041910027)</li> <li>SR URA 2, 2410041910027 (200419100</li></ul>	CS_OFFL_SIR_LRM_220150418T002401_20150418T002608_C001	, , , , , , , , , , , , , , , , , , ,	
CS. OFR. SR. UKB 2. 2019/01/07/01/2211 20190110701422 (2004)     Media there (lettation 2), statistication     Income is a hight and backbactum on the Helmoder 2 for an or more needed.       CS. OFR. SR. UKB 2. 2019/01/07/0211 2019011070217 (2014)     Statistication (2014)     No EEK or Statistication (2014)       CS. OFR. SR. UKB 2. 2019/01/07/0211 2019011070217 (2014)     Statistication (2014)     No EEK or Statistication (2014)       CS. OFR. SR. UKB 2. 2019/01/07/01/01/01/07/01/01/01/01/01/01/01/01/01/01/01/01/01/	CS_OFFL_SIR_LRM_220150418T003309_20150418T010235_C001		0
SG_OFFL_SRL_FML2_20190418702014_00194187020144_0019418702014_00194802048	CS_OFFL_SIR_LRM_220150418T012211_20150418T014028_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
CS_DPT_UBU_NUDISSUMPTIONED_CONSTRUCT_CON         Interback 2: Dissues the main and a ma	CS_OFFL_SIR_LRM_220150418T020318_20150418T020517_C001		
<ul> <li>Sc. OFT, SR. LEM 2, 201904181700028, 201904181700278, 20190418170228, 2019141870278, 20190418170228, 2019141870278, 20190418170228, 2019141870278, 20190418170228, 2019141870278, 20190418170228, 2019141870228, 2019141870278, 20190418170228, 2019141870278, 20190418170228, 2019141870278, 20190418170228, 2019141870278, 20190418170228, 2019141870283, 2019418170283,</li></ul>	CS_OFFL_SIR_LRM_220150418T021211_20150418T022741_C001	(Retracker 3), Backscatter Error	
CS_CPEL_SR_URM_2_0100448100001_0004       Height from (Related 2), Baskaster       Incode 3         CS_CPEL_SR_URM_2_0100448100005_2010048100001       Height from (Related 2)       Incode 3         CS_CPEL_SR_URM_2_0100448100005_20100491010048_C001       Height from (Related 2)       Incode 3         CS_CPEL_SR_URM_2_0100448100010_20100491010048_C001       Height from (Related 2)       Incode 3         CS_CPEL_SR_URM_2_0100448100010_20100448100010       Height from (Related 2)       Incode 3         CS_CPEL_SR_URM_2_0100448100010_20100448100172_C001       Height from (Related 2)       Incode 3         CS_CPEL_SR_URM_2_0100448100010_20100448100172_C001       Surface Model Manalable       No DEM or Silone Model Manalable       No DEM or Silone Model Manalable         CS_CPEL_SR_URM_2_0100448100010_20100448100010_C001       Surface Model Manalable       No DEM or Silone Model Manalable       No DEM or Silone Model Manalable         CS_CPEL_SR_URM_2_0100448100010_20100448100001_C001       Height from (Related 2)       No DEM or Silone Model Manalable       No DEM or Silone Mode	CS_OFFL_SIR_LRM_220150418T022942_20150418T023909_C001		-
G., OFTL, SIR, LIMA, 2. 0154418100005, 20154418103192, 015041810465, 0001 SI, G., OFTL, SIR, LIMA, 2. 0154418100019, 20154418105192, 0001 SI, G., OFTL, SIR, LIMA, 2. 0154418100019, 201544181052200, 0001 SIR LIMA, 2. 20154418100519, 201564181052200, 0001 SIR LIMA, 2. 20154418105192, 201564181052200, 0001 SIR LIMA, 2. 20154418105200, 20156418105220, 0001 SIR LIMA, 2. 20154418105200, 20156418105200, 0001 Heggl Enric (Restack 2), Balastaciliter There is a linget and balastaciliter onrol feetback 2) or eo in mon cal, OFTL, SIR, LIMA, 2. 20154418105200, 20156418105200, 0001 Heggl Enric (Restack 2), SiR LIMA, 2. 20154418105200, 20156418105200, 0001 SIR LIMA, 2. 20154418105201, 20156418105200, 0001 SIR LIMA, 2. 20154418100200, 20156418105200, 0001 SIR LIMA, 2. 20154418100200, 20156418105200, 0001 Heggl Enric (Restack 2), Heggl Enric (Restack 2), SIR LIMA, 2. 20154418100200, 20156418105200, 0001 Heggl Enric (Restack 2), Heggl Enric (Restack 2), SIR LIMA, 2. 20154418100200, 2015641810200, 00156418104000, 001 Heggl Enric (Restack 2), Heggl Enric (Restack 2), SIR LIMA, 2. 20154418100200, 2015641810200, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810400, 2015641810000, 2015641810000, 2015641810000, 2015641810	CS_OFFL_SIR_LRM_220150418T030235_20150418T030317_C001	Height Error (Retracker 2), Backscatter	There is a height and backscatter error for Retracker 2 for one or more
Carl, J. P. (Mark, 2)         Disord 1100000000000000000000000000000000000	CS_OFFL_SIR_LRM_220150418T030625_20150418T031824_C001	(Retracker 3), Backscatter Error	
C2, 0FFL_SR_UM_2_20150H181044H2_20150H18105259_0.001       (Reindor 2), Backsouth Emror       (Reindor 2), Backsouth Emror         C3, 0FFL_SR_UM_2_20150H181051502_010_001       Sufficience 2), Backsouth Emror       Them is a height and backsouther emror for Retractor 2 for on or more         C3, 0FFL_SR_UM_2_20150H18105221_0050H181052281_0001       Sufficience 2), Backsouth       No DEM of Supe Model values and for the extain of one or more mecods         C3, 0FFL_SR_UM_2_20150H18105221_0050H181052281_0001       Sufficience 2), Backsouth       No DEM of Supe Model values and for the extain of one or more mecods         C3, 0FFL_SR_UM_2_20150H18105221_0050H18105251_0001       Height Emro (Reincoler 2), Backsouth       No DEM of Supe Model values and for the extain of one or more mecods         C3, 0FFL_SR_UM_2_20150H18105251_0001       Height Emro (Reincoler 2), Backsouth       No DEM of Supe Model values and for the extain of one or more mecods         C3, 0FFL_SR_UM_2_20150H181064212_00145105551_0001       Height Emro (Reincoler 2), Backsouth Emror       There is a height and backsouther emror for Reincoler 2 or one or more         C3, 0FFL_SR_UM_2_20150H181064212_0014611055350_0001       Height Emro (Reincoler 2), Height Emror       There is a height and backsouther emror for Reincoler 2 or one or more         C3, 0FFL_SR_UM_2_20150H1811064212_001461116550_0001       Height Emro (Reincoler 2), Backsouth Emror       There is a height and backsouther emror for Reincoler 2 or one or more         C3, 0FFL_SR_UM_2_20150H181106421_001501       Height Emro (Reincoler 2), Backsouth Emror<	CS_OFFL_SIR_LRM_220150418T035129_20150418T040645_C001		
CS_OFF_SH_URL_2_2015041610592_00501610552_00501         Enrol (Retracter 2)         records           CS_OFF_SH_URL_2_20150416105522_00501         Surface Model Unavailable         No DEM or Stope Mode was used for the location of one or more records           CS_OFF_SH_URL_2_201504161055210_001501500501_0001         Height Enror (Retracker 2), Backstatter enror for Retracker 2 for one or more records           CS_OFF_SH_URL_2_201504161050210_001501500501_0001         Height Enror (Retracker 2), Beckstatter Enror (Retracker 2), Beck	CS_OFFL_SIR_LRM_220150418T044444_20150418T045950_C001	(Retracker 3), Backscatter Error	
CS_OFF_SIR_LERV_2_20150418T052221_20150418T052813_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFF_SIR_LERV_2_20150418T052101_20150418T05501_C001       Height Error (Retracker 2)       Height Error (Retracker 2)         CS_OFF_SIR_LERV_2_20150418T005210_20150418T05551_C001       Height Error (Retracker 2)       Height Error (Retracker 2)         CS_OFF_SIR_LERV_2_20150418T070850_20150418T075378_C001       Height Error (Retracker 2)       Height Error (Retracker 2)         CS_OFF_SIR_LERV_2_20150418T070850_20150418T07378_C001       Height Error (Retracker 2)       Height Error (Retracker 2)         CS_OFF_SIR_LERV_2_20150418T070850_20150418T07378_C001       Height Error (Retracker 2)       Height Error (Retracker 2)         CS_OFF_SIR_LERV_2_20150418T070850_20150418T07378_C001       Height Error (Retracker 2)       Height Error (Retracker 2)         CS_OFF_SIR_LERV_2_20150418T030810_20150418T001850_C001       Height Error (Retracker 2)       Height Error (Retracker 2)         CS_OFF_SIR_LERV_2_20150418T001850_C001       Height Error (Retracker 2)       Height Error (Retracker 2)       Height Error (Retracker 2)         CS_OFF_SIR_LERV_2_20150418T10246_C01418T10526_C001       Height Error (Retracker 2)       Height Error (Retracker 2)       Height Error (Retracker 2)         CS_OFF_SIR_LERV_2_20150418T10246_C001       Height Error (Retracker 2)       Height Error (Retracker 2)       Height Error (Retracker 2)       Heig	CS_OFFL_SIR_LRM_220150418T050519_20150418T051729_C001		
CS_OFFL_SIR_LRM_2_20150418T065110_20150418T065511_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more for control for Retracker 2, Legist Error (Retracker 2), Regist Error (Retr	CS_OFFL_SIR_LRM_220150418T051954_20150418T052208_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CS_OFFL_SIR_LRM_2_abisits ID3310_dD3181030310_DD3181030301_DD3181030301_DD3181030301_DD3181030310_DD3181030300_DD31810303100_DD3181030300_DD3181030300_DD3181030300_DD3181030300_DD3181030300_DD3181030300_DD3181030300_DD31810000000000000000000000000000000000	CS_OFFL_SIR_LRM_220150418T052221_20150418T052813_C001	Surface Model Unavailable	No DEM or Slope Model was used for the location of one or more records
CSU_DFL_SIR_LIAM_2_201504181004/36_201504181008304_0.001         Envir (Retracker 2)         records           CS_OFFL_SIR_LIAM_2_201504181008403_201504181008505_0001         Height Enror (Retracker 2), Backscatter Enror (Retracker 3), Backscatter Enror         Thure is a height and backscatter enror for Netracker 2 and a height enror (Retracker 3), Backscatter Enror           CS_OFFL_SIR_LIAM_2_2015041810080212_2015041810781382_0001         Height Enror (Retracker 2), Height Enror (Retracker 3), Enror or more records           CS_OFFL_SIR_LIAM_2_201504181080212_201504181081817_C001         Height Enror (Retracker 2), Backscatter Enror (Retracker 2), Backscatter Enror (Retracker 2), Backscatter Enror (Retracker 2)         Thure is a height and backscatter enror for Retracker 2 and a height enror for Retracker 3 for one or more records           CS_OFFL_SIR_LIAM_2_201504181081040_201504181081582_0001         Height Enror (Retracker 2), Backscatter Enror (Retracker 2)         Thure is a height and backscatter enror for Retracker 2 for one or more records           CS_OFFL_SIR_LIAM_2_2015041811084008_201504181101419_C001         Height Enror (Retracker 2), Backscatter Enror (Retracker 2)         Height Enror (Retracker 2), Backscatter Enror (Retracker 2)         Thure is a height and backscatter enror for Retracker 2 and a height enror for Retracker 3 for one or more records           CS_OFFL_SIR_LIAM_2_201504181102042_201504181102048_C001         Strafecode 2), Height Enror (Retracker 2)         Thure is a height and backscatter enror for Retracker 2 and a height enror for Retracker 3 for one or more records           CS_OFFL_SIR_LIAM_2_201504181102004_201504181102048_C001 <t< td=""><td>CS_OFFL_SIR_LRM_220150418T053101_20150418T055013_C001</td><td><b>S</b></td><td>-</td></t<>	CS_OFFL_SIR_LRM_220150418T053101_20150418T055013_C001	<b>S</b>	-
CS_OFFL_SIR_LRM_2_20150418T070353_20150418T073738_C001 (Retracker 2) (Re	CS_OFFL_SIR_LRM_220150418T062746_20150418T063904_C001		
CS_OFFL_SIR_LEM_2_201504181070398_201504181073738_2001  (Retracker 2)  Red is a neight and backscatter error for Retracker 2 and a height error (Retracker 2)  Retracker 2	CS_OFFL_SIR_LRM_2_20150418T064433_20150418T065551_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_201504181080212_201504181080802_2015       (Retracker 2)         CS_OFFL_SIR_LRM_2_20150418108140_201504181081502_2015       (Retracker 2)         CS_OFFL_SIR_LRM_2_20150418108140_201504181091558_C001       Free is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_201504181091400_201504181091558_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 or one or more records         CS_OFFL_SIR_LRM_2_201504181102746_201504181105539_C001       (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_2_20150418T070950_20150418T073738_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_0015041811081400_00150418T091558_0001         Error (Retracker 2)         records           CS_OFFL_SIR_LRM_2_00150418T091400_20150418T101419_0001         Height Error (Retracker 2)         records           CS_OFFL_SIR_LRM_2_00150418T001558_0001         Height Error (Retracker 2)         records           CS_OFFL_SIR_LRM_2_00150418T102746_00150418T101419_0001         Height Error (Retracker 2)         There is a height and backscatter error for Retracker 2 for one or more records           CS_OFFL_SIR_LRM_2_00150418T102746_00150418T1105339_0001         (Retracker 2)         There is a height and backscatter error for Retracker 2 and a height error (Retracker 2)           CS_OFFL_SIR_LRM_2_00150418T112024_00101         (Retracker 2)         There is a height and backscatter error for Retracker 2 and a height error (Retracker 2)           CS_OFFL_SIR_LRM_2_00150418T120203_00101         Surface Model Unavailable         No DEM or Slope Model was used for the location of one or more records           CS_OFFL_SIR_LRM_2_0150418T120203_0150418T120306_0001         Height Error (Retracker 2)         There is a height and backscatter error for Retracker 2 for one or more records           CS_OFFL_SIR_LRM_2_0150418T1312652         Height Error (Retracker 2)         No DEM or Slope Model was used for the location of one or more records           CS_OFFL_SIR_LRM_2_0150418T132050_0011         Height Error (Retracker 2)         There is a height and backscatter error for Retracker 2 for one or more records           CS_OFFL_SIR_LRM_2_0150418T14153250_00	CS_OFFL_SIR_LRM_2_20150418T080212_20150418T081817_C001	(Retracker 3), Backscatter Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_201504181102406_201504181101419_C001       Error (Retracker 2).       records         CS_OFFL_SIR_LRM_2_201504181102746_201504181102746_201504181105539_C001       (Retracker 2).       Height Error (Retracker 2).       There is a height and backscatter error for Retracker 2 and a height error (Retracker 3).         CS_OFFL_SIR_LRM_2_2015041811102746_201504181115242_C001       (Retracker 3).       There is a height and backscatter error for Retracker 2 and a height error (Retracker 3).         CS_OFFL_SIR_LRM_2_2015041811120042_201504181115242_C001       (Retracker 2).       There is a height and backscatter error for Retracker 2 and a height error (Retracker 2).         CS_OFFL_SIR_LRM_2_201504181120042_201504181120043_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_201504181120052_201504181120513_C001       Error (Retracker 2).       There is a height and backscatter error for Retracker 2 for one or more ecords         CS_OFFL_SIR_LRM_2_201504181131615_C001       (Retracker 2).       There is a height and backscatter error for Retracker 2 and a height error (Retracker 2).         CS_OFFL_SIR_LRM_2_201504181131615_C001       (Retracker 2).       There is a height and backscatter error for Retracker 2 and a height error (Retracker 2).         CS_OFFL_SIR_LRM_2_201504181131618_20150418113208_C001       Error (Retracker 2).       There is a height and backscatter error for Retracker 2 and a height error (Retracker 2).         CS_OFFL_SIR_LRM_2_201504181140254_C001	CS_OFFL_SIR_LRM_220150418T081840_20150418T083502_C001		
CS_OFFL_SIR_LRM_2_201504181102746_201504181102746_201504181102746_201504181102746_201504181102746_201504181115242_C001       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_201504181112024_2015041811120436_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_201504181120032_201504181120046_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_201504181120032_0015041811203513_C001       Error (Retracker 2), Backscatter Error	CS_OFFL_SIR_LRM_220150418T091400_20150418T091558_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20150418T10274_20150418T105539_0001       (Retracker 2)         CS_OFFL_SIR_LRM_2_20150418T111908_20150418T1115242_0001       (Retracker 2)         CS_OFFL_SIR_LRM_2_20150418T111908_20150418T1115242_0001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20150418T12003_20150418T12003_001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20150418T12003_20150418T130956_0001       Height Error (Retracker 2), Backscatter Error (Retracker 2)	CS_OFFL_SIR_LRM_220150418T094036_20150418T101419_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20150418T111908_20150418T1115242_C001       (Retracker 3), Backscatter Error (Retracker 2)       Interacker 3, Dackscatter Error (Retracker 2)         CS_OFFL_SIR_LRM_2_20150418T120024_20150418T12036_C001       Surface Model Unavailable       No DEM or Slope Model was used for the location of one or more records         CS_OFFL_SIR_LRM_2_20150418T12003_20150418T123513_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T13105_20150418T131055_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T131618_20150418T133028_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 or one or more records         CS_OFFL_SIR_LRM_2_20150418T131618_20150418T133208_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 or one or more records         CS_OFFL_SIR_LRM_2_20150418T140504_20150418T140254_C001       Retracker 3), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 or one or more records         CS_OFFL_SIR_LRM_2_20150418T141927_20150418T141272_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 or one or more records         CS_OFFL_SIR_LRM_2_20150418T141927_20150418T14218_C001       Retracker 3), Backscatter Error (Retracker 2), Back	CS_OFFL_SIR_LRM_220150418T102746_20150418T105539_C001	(Retracker 3), Backscatter Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20150418T120703_20150418T123513_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Bac	CS_OFFL_SIR_LRM_220150418T111908_20150418T115242_C001	(Retracker 3), Backscatter Error	
CS_OFFL_SIR_LRM_2_201504181120703_201504181123515_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_20150418T125927_20150418T130956_C001       Error (Retracker 2)       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T131436_20150418T131615_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2),	CS_OFFL_SIR_LRM_220150418T120024_20150418T120436_C001		
CS_OFFL_SIR_LRM_2_201504181126927_20150418113095_C001       Error (Retracker 2)       Height Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_201504181131618_201504181131615_C001       Error (Retracker 2)       Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height error (Retracker 2)         CS_OFFL_SIR_LRM_2_201504181131618_20150418113028_C001       Height Error (Retracker 2)       Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height error (Retracker 2)         CS_OFFL_SIR_LRM_2_201504181135026_201504181140254_C001       Height Error (Retracker 2)       Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 and a height error (Retracker 3), Backscatter Error (Retracker 2)         CS_OFFL_SIR_LRM_2_201504181140504_201504181141721_C001       Height Error (Retracker 2), Backscatter E	CS_OFFL_SIR_LRM_220150418T120703_20150418T123513_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20150418T131436_20150418T131615_C001       (Retracker 3), Backscatter Error (Retracker 2, Contexport)       Intere is a height and backscatter error for Retracker 2 and a height error for Retracker 2, and a height e	CS_OFFL_SIR_LRM_220150418T125927_20150418T130956_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_20150418T131618_20150418T135026_20150418T140254_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_20150418T135026_20150418T140254_C001       Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2), Error (Retracker 2), Backscatter Error (Retracker	CS_OFFL_SIR_LRM_220150418T131436_20150418T131615_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20150418T140504_20150418T140254_C001       (Retracker 3), Backscatter Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T1410504_20150418T141721_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records       There is a height and backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T141927_20150418T142138_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T14423_20150418T145358_C001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2)       There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T14423_20150418T145358_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records       There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T154422_20150418T151113_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Height Error (Retracker 2), Backscatter Error for Retracker 3 for one or more re	CS_OFFL_SIR_LRM_220150418T131618_20150418T133208_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_201504181140504_201504181141721_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_20150418T141927_20150418T142138_C001       Height Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter Error (Retracker 3), Backscatter Error (Retracker 2), Backscatter Error (Re	CS_OFFL_SIR_LRM_220150418T135026_20150418T140254_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_201504181141927_201504181142138_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_20150418T144423_20150418T145358_C001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error for Retracker 3), Backscatter Error for Retracker 3 for one or more records       There is a height and backscatter error for Retracker 2 and a height error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T145559_20150418T151113_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T154422_20150418T154485_C001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retr	CS_OFFL_SIR_LRM_220150418T140504_20150418T141721_C001	Error (Retracker 2)	records
CS_OFFL_SIR_LRM_2_20150418T144423_20150418T145358_C001       (Retracker 3), Backscatter Error (Retracker 2)       Interest a height and backscatter error for Retracker 2 and a height error for Retracker 2.         CS_OFFL_SIR_LRM_2_20150418T145559_20150418T151113_C001       (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T154422_20150418T154445_C001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and a height error for Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 and a height error (Retracker 2), Backscatter error for Retracker 2 and a height error for Retracker 2 and a height error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T155008_20150418T155409_C001       Height Error (Retracker 2), Backscatter error for Retracker 2 for one or more records         CS_OFFL_SIR_LRM_2_20150418T155008_20150418T155701_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more records	CS_OFFL_SIR_LRM_220150418T141927_20150418T142138_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_201504181145559_201504181151113_C001       Error (Retracker 2)       records         CS_OFFL_SIR_LRM_2_201504181154422_201504181154845_C001       Height Error (Retracker 2), Height Error (Retracker 2), Height Error (Retracker 2), Backscatter Error (Retracker 2)	CS_OFFL_SIR_LRM_220150418T144423_20150418T145358_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
CS_OFFL_SIR_LRM_2_20150418T154422_20150418T154845_C001       (Retracker 3), Backscatter Error (Retracker 2)       Interests a height and backscatter error for Retracker 2 and a neight error for Retracker 2.         CS_OFFL_SIR_LRM_2_20150418T155008_20150418T155409_C001       Height Error (Retracker 2), Backscatter Error (Retracker 2), Backscatter error for Retracker 2 for one or more records       There is a height and backscatter error for Retracker 2 for one or more         CS_OFFL_SIR_LRM_2_20150418T155008_20150418T155701_C001       Height Error (Retracker 2), Backscatter       There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220150418T145559_20150418T151113_C001	Error (Retracker 2)	
CS_OFFL_SIR_LRM_2_201504181155008_201504181155409_C001 Error (Retracker 2) records CS_OFEL_SIR_LRM_2_201504181155415_201504181155409_C001 Height Error (Retracker 2), Backscatter There is a height and backscatter error for Retracker 2 for one or more	CS_OFFL_SIR_LRM_220150418T154422_20150418T154845_C001	(Retracker 3), Backscatter Error (Retracker 2)	for Retracker 3 for one or more records
	CS_OFFL_SIR_LRM_220150418T155008_20150418T155409_C001	Error (Retracker 2)	
	CS_OFFL_SIR_LRM_220150418T155415_20150418T155721_C001		

CS\_OFFL\_SIR\_LRM\_2\_\_20150418T163349\_20150418T165012\_C001 CS OFFL SIR LRM 2 20150418T165805 20150418T165937 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T170359\_20150418T171553\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T172123\_20150418T173841\_C001 CS OFFL SIR LRM 2 20150418T180808 20150418T182946 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T183703\_20150418T184028\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T190037\_20150418T191535\_C001 CS OFFL SIR LRM 2 20150418T193920 20150418T200946 C001 CS\_OFFL\_SIR\_LRM\_2\_20150418T201121\_20150418T201558\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T201601\_20150418T201934\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T202247\_20150418T205718\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T211033\_20150418T211211\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T212127\_20150418T212326\_C001 CS OFFL SIR LRM 2 20150418T213841 20150418T213949 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T214116\_20150418T214410\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T220214\_20150418T222435\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T222721\_20150418T223628\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T224858\_20150418T225248\_C001 CS OFFL SIR LRM 2 20150418T230524 20150418T231327 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T231514\_20150418T232757\_C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T233132\_20150418T233523\_C001 CS OFFL SIR LRM 2 20150418T234127 20150418T234728 C001 CS\_OFFL\_SIR\_LRM\_2\_\_20150418T234738\_20150419T001407\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T002110\_20150418T002401\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T002608\_20150418T003133\_C001 CS OFFL SIR SIN 2 20150418T011706 20150418T012130 C001 CS OFFL SIR SIN 2 20150418T020043 20150418T020318 C001 CS OFFL SIR SIN 2 20150418T020517 20150418T020637 C001 CS OFFL SIR SIN 2 20150418T021019 20150418T021200 C001 CS OFFL SIR SIN 2 20150418T025604 20150418T025715 C001 CS OFFL SIR SIN 2 20150418T025841 20150418T030058 C001 CS OFFL SIR SIN 2 20150418T033753 20150418T034133 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T034921\_20150418T035107\_C001 CS OFFL SIR SIN 2 20150418T043524 20150418T043748 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T043758\_20150418T043947\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T051803\_20150418T051954\_C001 CS OFFL SIR SIN 2 20150418T052208 20150418T052221 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T052813\_20150418T053031\_C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T061017\_20150418T061049\_C001 CS OFFL SIR SIN 2 20150418T065738 20150418T065917 C001 CS OFFL SIR SIN 2 20150418T070033 20150418T070204 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T070625\_20150418T070916\_C001 CS OFFL SIR SIN 2 20150418T083735 20150418T084115 C001 CS OFFL SIR SIN 2 20150418T084653 20150418T084808 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T092755\_20150418T092840\_C001 CS OFFL SIR SIN 2 20150418T101700 20150418T102018 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T102530\_20150418T102656\_C001 CS OFFL SIR SIN 2 20150418T110752 20150418T110857 C001 CS\_OFFL\_SIR\_SIN\_2\_\_20150418T115413\_20150418T115755\_C001

Height Error (Retracker 2), Backscatter Error (Retracker 2) ecords Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) ecords Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Surface Model Unavailable Surface Model Unavailable Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Backscatter Error (Retracker 2) records Surface Model Unavailable Height Error (Retracker 2), Backscatter Error (Retracker 2) records Height Error (Retracker 2), Height Error (Retracker 3), Backscatter Error (Retracker 2) SARIn X-track Angle Error records ARIn X-track Angle Error records SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error records SARIn X-track Angle Error records SARIn X-track Angle Error records SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error records SARIn X-track Angle Error, Surface Model Unavailable SARIn X-track Angle Error records SARIn X-track Angle Error records SARIn X-track Angle Error records SARIn X-track Angle Error records

There is a height and backscatter error for Retracker 2 for one or more No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records No DEM or Slope Model was used for the location of one or more records. No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 for one or more No DEM or Slope Model was used for the location of one or more records There is a height and backscatter error for Retracker 2 for one or more There is a height and backscatter error for Retracker 2 and a height error for Retracker 3 for one or more records An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode and no DEM or Slope Model was used for one or more records An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more An ambiguous angle was detected for SARIn mode for one or more

CS_OFFL_SIR_SIN_220150418T120436_20150418T120543_C001	SARIN X-TRACK ANDIE ETFOR	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220150418T124338_20150418T124509_C001	SARIN X-frack Angle Error	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220150418T124701_20150418T124815_C001	SARIN X-TRACK ANDIE ETFOR	An ambiguous angle was detected for SARIn mode for one or more records
CS_OFFL_SIR_SIN_220150418T133220_20150418T133357_C001	SARIN X-TRACK ANDIE ETFOR	An ambiguous angle was detected for SARIn mode for one or more records