



## S3 SLSTR Anomalies and Events

YEAR 2020

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>JANUARY</b>					
05/01/2020	Missing data		x	RFI causing missing scans in products Products including sensing period from 16:57:58 to 17:03:58 are affected by the issue	rfi, svalbard
09/01/2020	Missing data		x	Missing scans in products due to possible RFI Products including sensing period from 09:31:17 to 09:37:17 are affected by the issue	sequence error, svalbard
21/01/2020	Missing data		x	Missing scans in products due to RFI with S1B Products including sensing period from 09:29:02 to 09:35:02 are affected by the issue	rfi, svalbard
28/01/2020	Missing data		x	Pointing errors due to missing navatt in SL_1_RBT NTC products from 10:59:19 to 12:39:42	pointing, navatt, geolocation
29/01/2020	SL_2_FRP gap		x	A production gap has been generated due to a processing issue: 29/01/2020 from 02:01:36 to 02:04:36	FRP gap
30/01/2020	Degraded products		x	Degraded products due to a PDGS processing issue.  Products including the following sensing periods are affected by missing scans: -from 10:03:21 to 10:07:14 -from 10:27:15 to 10:30:21 Products including the following sensing periods are affected by geolocation issue: -from 05:03:03 to 05:03:23 -from 08:25:21 to 13:28:19	processing, missing inputs, PDGS, discarded navatt, geolocation
30/01/2020	SL_2_FRP gap		x	A production gap has been generated due to a processing issue: 30/01/2020 from 10:24:21 to 10:27:15	FRP gap
<b>FEBRUARY</b>					
03/02/2020 to 12/02/2020	Instrument anomaly		x	SLSTR-A anomaly from 03/02/2020 to 12/02/2020. The cause has not been identified so far. An instrument decontamination was commanded. Degraded products: SLSTR channels are either missing or degraded from 03/02/2020 03:06 to 12/02/2020 ~00:03 Data gap generated: 03/02/2020 15:42 to 07/02/2020 15:38	degraded, gap, missig data, decontamination
05/02/2020	Pointing errors		x	Following products are degraded by pointing errors due to satellite planned manœuvre: SL_1_RBT: from 07:29:14 to 10:54:13 SL_2_LST: from 07:30:29 to 12:33:27 SL_2_FRP: from 08:26:14 to 10:36:13	pointing, manœuvre, geolocation
23/02/2020	Missing data		x	RFI causing missing scans in products Products including sensing period from 04:46:58 to 04:55:58 are affected by the issue	rfi, svalbard



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
24/02/2020	Incorrect Processing Baseline	x		35 S3A_SL_2_FRP products mixing two different PBs. S3A FRP products with sensing time from 20200224T031021 to 20200224T045420 have been processed with the ADFs from the new PB but IPF version from the former PB	Processing Baseline, IPF version
27-28/02/2020	Degraded products & data gaps	x	x	<p>Signal issue at Svalbard causing loss of data. Degraded products (missing scans &amp; pointing errors) and production gaps have been generated.</p> <p>// S3A //</p> <p>-Data gaps:            SL_1_RBT: 20200227T223731 to 20200228T002124 (103') ; 20200228T011637 to 20200228T011937 (180") ; 20200228T051816 to 20200228T053420 (16') ; 20200228T053428 to 20200228T062654 (52')            SL_2_LST: 20200227T223731 to 20200228T012952 (172') ; 20200228T051816 to 20200228T062654 (68')            SL_2_FRP: 20200227T223639 to 20200228T002124 (104') ; 20200228T0116376 to 20200228T011937 (180") ; 20200228T051735 to 20200228T062654 (69')</p> <p>-Degraded products:            SL_1_RBT: from 20200227T221839 to 20200227T223731 ; from 20200228T002124 to 20200228T002638 ; from 20200228T050835 to 20200228T051816 ; from 0200228T053420 to 20200228T053428 ; from 20200228T062654 to 20200228T062835</p> <p>// S3B //</p> <p>-Data gaps:            SL_1_RBT: 20200227T230206 to 20200227T230506 (180") ; 20200227T231019 to 20200228T004458 (94')            SL_2_LST: 20200227T212822 to 20200227T230921 (100') ; 20200227T231019 to 20200228T004458 (94')            SL_2_FRP: 20200227T230206 to 20200227T230506 (180") ; 20200227T230806 to 20200228T004458 (96')</p> <p>-Degraded products:            SL_1_RBT: from 20200227T212107 to 20200227T231019 ; 20200228T004458 to 20200228T023004            SL_2_LST: from 20200227T230921 to 20200228T005020            SL_2_FRP: from 20200227T220007 to 20200227T222407 ; from 20200227T230506 to 20200227T230806 ; from 20200228T004458 to 20200228T004605</p>	data loss , svalbard, missing, pointing, gaps
28/02/2020	Missing data	x		RFI causing missing scans in products Products including sensing period from 04:46:58 to 04:55:58 are affected by the issue	rfi, svalbard
29/02/2020	Missing data	x		Sequencing errors causing missing scans in products. The initial cause of the issue is not known so far. Products including sensing period from 04:12:36 to 04:18:36 are affected by the issue	svalbard

MARCH



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
09/03/2020	Data gaps		x	Due to an issue at processing level, the following gaps has been generated: S3B: SL_2_FRP: from 20200309T175607 to 20200309T175907 (180")	data gap, IPF SPR
10-11/03/2020	Data gaps	x	x	Due to an issue at processing level, the following gaps have been generated: S3A: SL_2_FRP: from 20200310T062231 to 20200310T062531 (180") S3B: SL_1_RBT: from 20200311T220643 to 20200311T221000 (3') SL_2_FRP: 20200311T220643 to 20200311T221000 (3')	data gap, IPF SPR
11/03/2020	Pointing errors	x		Following products are degraded by pointing errors due to satellite planned manoeuvre: SL_1_RBT: from 07:37:20 to 11:02:18 SL_2_LST: from 08:02:35 to 13:05:32 SL_2_FRP: from 07:37:20 to 11:05:18 Also reduced data quality for SLSTR can be expected from 08:50 to approximately 11:32	pointing, manoeuvre, geolocation
16/03/2020	Missing data	x		RFI causing missing scans in products Products including sensing period from 09:36:25 to 09:45:25 are affected by the issue	rfi, svalbard
22/03/2020	Missing data	x		RFI causing missing scans in products Products including sensing period from 09:57:19 to 10:03:19 are affected by the issue	rfi, svalbard
23/03/2020	Missing data	x		Products including sensing period from 10:25:08 to 10:40:08 are affected by missing scans due to snow on radome	svalbard, radome
24/03/2020	Missing data & gap		x	RFI causing missing scans in products Products including sensing period from 01:29:29 to 01:38:29 are either missing (gap) or including missing scans	rfi, svalbard
27/03/2020	Missing data	x		Products including sensing period from 17:28:31 to 17:31:31 are affected by missing scans due to IPF issue	
30/03/2020	Instrument maintenance / degraded products		x	Clod finger target temperature increase planned activity SLSTR-B Infrared channels may be degraded from 10:50 to 11:35 (45min duration) as per S3B_SAT_UNA_2020_0004_02.pdf	instrument maintenance
<b>APRIL</b>					
05/04/2020	Missing data	x		RFI causing missing scans in products Products including sensing period from 10:03:45 to 10:09:45 are affected by the issue	rfi, svalbard
05/04/2020	Degraded products	x		Products including sensing time from 10:34:46 to 12:15:45 have their oblique view degraded due to an IPF issue	oblique missing data
06/04/2020	Missing data		x	Products including the following sensing periods are affected by missing scans due to an issue at Svalbard station: 11:07:00 to 12:19:00 12:32:59 to 12:44:59	sequencing errors, SVL



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
08/04/2020	Pointing errors		x	Following products are degraded by pointing errors due to satellite planned manoeuvre: SL_1_RBT: from 10:17:38 to 13:39:36 SL_2_LST: from 10:18:53 to 15:21:51 SL_2_FRP: from 11:11:38 to 17:55:17	pointing, manoeuvre, geolocation
08/04/2020	Missing data		x	Products including the following sensing periods are affected by missing scans: 13:36:36 to 13:39:36	sequencing errors
13-14/04/2020	Data gap & Degraded products		x	The following issues are observed: -data gaps: from 20200413T231030 to 20200414T005235 (102') from 20200414T031256 to 20200414T041738 (64') -missing scans and/or pointing errors for available products including sensing period from 20200414T230038 to 20200414T055935	gap, missing scans, pointing errors
14/04/2020	Data gap & Degraded products	x		The following issues are observed: -data gap from 20200414T045744 to 20200414T063943 (101') -missing scans for available products including sensing period from 20200414T045510 to 20200414T064209 -pointing errors for available products including sensing period from 20200414T031411 to 20200414T0823098	gap, missing scans, pointing errors
21/04/2020	Missing data	x		RFI causing missing scans in products Products including sensing period from 13:32:49 to 13:38:49 are affected by the issue	rfi, svalbard
22/04/2020	Missing data		x	Products including the following sensing periods are affected by missing scans: 14:17:03 to 15:14:03	sequencing errors
30/04/2020	Missing data	x		RFI causing missing scans in products Products including sensing period from 20:22:07 to 20:28:07 are affected by the issue	rfi, svalbard
<b>May</b>					
13/05/2020 to 22/05/2020	Instrument anomaly	x		Due to an instrument anomaly, products sensed from 20200513T111528 to 20200522T000412 are degraded, including gap from 20200513 11:18:54 to 20200518 16:59:55	instrument anomaly decontamination
23/05/2020	Missing data	x		RFI causing missing scans in products Products including sensing period from 20:22:07 to 20:28:07 are affected by the issue	rfi, svalbard
27/05/2020	Pointing errors		x	Pointing errors due to satellite manoeuvre. Products including sensing period from 05:20:42 to 10:23:39 are affected by the issue	manoeuvre pointing
<b>June</b>					
01/06/2020	Missing data		x	Missing scans in products due to IPF issue - fix ongoing Products including the following sensing periods are affected by the issue: -from 03:09:48 to 03:12:48	processing pdgs missing scans



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
03/06/2020	Missing data		x	Missing scans in products due to IPF issue - fix ongoing Products including sensing period from 17:26:20 to 17:29:20 are affected by the issue	processing pdgs missing scans
03/06/2020	Missing data		x	Missing scans in products due to an RFI Products including sensing period from 16:03:20 to 16:09:20 are affected by the issue	rfi, svalbard
11/06/2020	Missing data	x		Missing scans in products due to RFI Products including sensing period from 02:29:28 to 02:55:27 are affected by the issue	rfi, svalbard
15/06/2020	Degraded products	x		Acquisition issue Products including the following sensing periods can be affected by missing scans: 20200615T145037 to 20200615T145424 20200615T163136 to 20200615T163436	acquisition svalbard missing data
16/06/2020	Missing data	x		Missing scans in products due to IPF issue - fix ongoing Products including sensing period from 17:28:24 to 17:31:24 are affected by the issue	processing pdgs missing scans
17/06/2020	Pointing errors	x		Products sensed from 20200617T083717 to 20200617T134015 are affected by pointing errors due to satellite manoeuvre	pointing, manoeuvre, geolocation
18/06/2020	Missing data	x		Missing scans in products due to IPF issue - fix ongoing Products including sensing period from 03:08:09 to 03:11:09 are affected by the issue	processing pdgs missing scans
30/06/2020	Missing data		x	Missing scans in products due to IPF issue - fix ongoing Products including sensing period from 17:26:22 to 17:29:22 are affected by the issue	processing pdgs missing scans
<b>July</b>					
04/07/2020	Data gap	x		A production gap has been generated due to a OLCI lunar calibration impacting the other instruments: L1/L2 NTC: gap from 14:40:06 to 16:21:06	data gap , olci calibration impact
13/07/2020	Missing data	x		Missing scans in products due to IPF issue - fix ongoing Products including sensing period from 17:28:25 to 17:31:25 are affected by the issue	processing pdgs missing scans
15/07/2020	Missing data	x		Missing scans in products due to IPF issue - fix ongoing Products including sensing period from 03:08:10 to 03:11:10 are affected by the issue.	processing pdgs missing scans
19/07/2020	Missing data		x	Missing scans in products due to RFI Products including sensing period from 18:21:52 to 18:27:52 are affected by the issue	rfi, svalbard
23/07/2020	Missing data		x	Missing scans in products due to RFI Products including sensing period from 01:16:15 to 01:22:15 are affected by the issue	rfi, svalbard



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
23/07/2020	Missing data		x	Missing scans in products due to processing issue. Products with the following sensing periods may be affected on certain bands: SL_1_RBT from 09:59:11 to 10:02:11	processing pdgs missing scans
24/07/2020	Missing data		x	Missing scans in products due to processing issue. Products with the following sensing periods may be affected on certain bands: SL_1_RBT from 05:50:02 to 05:56:02	processing pdgs missing scans
25/07/2020	Missing data	x	x	Missing scans in products due to processing issue. Products with the following sensing periods are affected on certain bands: S3A: From 02:38:19 to 02:44:19 & From 03:05:19 to 03:08:19 & From 14:46:13 to 14:49:13 S3B: From 02:25:52 to 02:34:52	processing pdgs missing scans
28/07/2020	Missing data		x	Missing scans in products due to processing issue. Products with the following sensing periods may be affected on certain bands: SL_1_RBT from 12:36:14 to 12:48:14	processing pdgs missing scans
29/07/2020	Missing data		x	Missing scans in products due to processing issue. Products with the following sensing periods may be affected on certain bands: SL_1_RBT from 12:13:03 to 12:16:03 & 12:37:03 to 12:40:03	processing pdgs missing scans
29/07/2020	Pointing errors		x	Products from 06:28:05 to 11:31:03 degraded by pointing errors due to satellite planned manoeuvre	pointing, manoeuvre, geolocation
<b>August</b>					
01/08/2020	Missing data		x	Missing scans in products due to processing issue. Products with the following sensing periods may be affected on certain bands: SL_1_RBT from 05:45:33 to 05:48:33	processing pdgs missing scans
02/08/2020	Missing data	x		Missing scans in products due to RFI Products including sensing period from 17:39:42 to 17:45:42 are affected by the issue	rfi, svalbard
05/08/2020	Missing data		x	Missing scans in products due to processing issue. Products with the following sensing periods may be affected on certain bands: SL_1_RBT from 05:56:48 to 06:02:48	processing pdgs missing scans
05/08/2020	Missing data		x	SLSTR-B FEE Offset Voltages update degrading PDUs covering from 08:48:47 to 08:54:47	onboard maintenance, missing scans
05/08/2020	Missing data	x		Missing scans in products due to RFI Products including sensing period from 00:10:17 to 00:19:17 are affected by the issue	rfi, svalbard



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
08-09-10/08/2020	Data gap & Pointing errors	x	x	PDGS issue originating the following issues:  // GAPS // S3A: 20200809T055836 to 20200809T060551 (L0/L1/L2) 20200810T002506 to 20200810T002720 (L1) 20200810T071404 to 20200810T072105 (L0/L1/L2) S3B: 20200808T123051 to 20200808T123312 (L1) 20200809T014006 to 20200809T015340 (L1/L2) 20200809T064104 to 20200809T064303 (L1/L2) 20200809T070100 to 20200809T070746 (L0/L1/L2)  //DEGRADED PRODUCTS // S3A (=missing scans): 20200808T230632 to 20200808T230959 20200809T055329 to 20200809T060829 20200809T224021 to 20200809T224621 20200810T002120 to 20200810T002506 20200810T071117 to 20200810T072317 S3B (=missing scans or discarded navatt): 20200808T122712 to 20200808T123051 20200809T070746 to 20200809T100502 20200809T234528 to 20200809T234756	processing pdgs missing scans pointing data gaps
10/08/2020	Missing data		x	Missing scans in products due to RFI affecting 2 PDUs, from 06:55:53 to 07:01:53	rfi, svalbard
13/08/2020	Missing data	x		Missing scans in products due to processing issue. Products with the following sensing periods are affected on certain bands: From 09:32:43 to 09:38:43	processing pdgs missing scans
15/08/2020	Missing scans		x	Missing scans in products due to an unknown source (Core Ground Segment issue) Products including sensing periods from 11:19:55 to 11:55:55 are affected	
17/08/2020	Missing scans	x		Missing scans in products due to RFI Products including sensing period from 09:58:58 to 10:04:58 are affected by the issue	rfi, svalbard
21/08/2020	Missing data	x	x	Missing scans in products due to processing issue. Products with the following sensing periods are affected on certain bands: S3A from 16:36:10 to 16:42:10 S3B from 11:58:48 to 12:07:48	processing pdgs missing scans
26/08/2020	Missing data		x	Missing scans in products due to RFI Products including sensing period from 19:24:49 to 19:29:48 are affected by the issue	rfi, svalbard
29/08/2020	Missing data	x	x	Missing scans in products due to processing issue. Products including the following sensing periods are affected on certain bands S3A: from 04:05:45 to 04:08:45 ; 04:11:45 to 04:20:45 ; 04:35:45 to 04:41:45 ; 06:01:44 to 06:07:44 S3B: from 03:53:22 to 03:56:22	processing pdgs missing scans



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
31/08/2020	Missing scans	x		Missing scans in products due to an issue at CGS Products including sensing period from 17:11:17 to 17:20:17 are affected by the issue	missing scans
<b>September</b>					
02/09/2020	Pointing errors	x		Products from 08:17:58 to 10:27:57 degraded by pointing errors due to satellite planned manoeuvre	pointing, manoeuvre, geolocation
02/09/2020	Missing scans	x		Missing scans in products due to RFI Products including sensing period from 13:02:56 to 13:08:56 are affected by the issue	rfi, svalbard
03-04-06/09/2020	Missing data	x	x	Missing scans in products due to processing issue. Products including the following sensing periods can be affected on certain bands: S3A: from 20200904T101435 to 20200904T122035 S3B: from 20200903T234717 to 20200903T235317 from 20200904T030316 to 20200904T030616 from 20200906T133048 to 20200906T135748	processing pdgs missing scans
10/09/2020	Missing scans	x		Missing scans in products due to RFI Products including sensing period from 07:55:31 to 08:01:31 are affected by the issue	rfi, svalbard
13/09/2020	Missing data	x	x	Missing scans in products due to processing issue. Products including the following sensing periods are affected on certain bands S3A: from 13:30:48 to 13:33:48 ; 13:51:48 to 13:57:48 S3B: from 02:38:35 to 02:44:35	processing pdgs missing scans
15/09/2020	Data gaps & Degraded products	x	x	Products are degraded and data gaps are present due to a connectivity issue between CGS and PDGS.  Products including the following sensing periods are degraded: S3A: 20200915T181831 to 20200915T182350 S3B: 20200915T174205 to 20200915T174450 20200915T192005 to 20200915T192605  In addition, several data gaps are present for both satellites: // S3B // SL_1_RBT, SL_2_LST: from 20200915T090509 to 20200915T090809 (~180sec)	CGS PDGS connectivity circulation





### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
16/09/2020	Data gaps & Degraded products	x	x	<p>Products are degraded and data gaps are present due to a connectivity issue between CGS and PDGS.</p> <p>Products including the following sensing periods are degraded:</p> <p>S3A:            20200916T043115 to 20200916T073725            20200916T075225 to 20200916T075553            20200916T080223 to 20200916T080425            20200916T111423 to 20200916T111820            20200916T143841 to 20200916T174620</p> <p>S3B:            20200916T051201 to 20200916T051700            20200916T071259 to 20200916T071559            20200916T072247 to 20200916T072459            20200916T103457 to 20200916T103852            20200916T135943 to 20200916T170354</p> <p>In addition, several data gaps are present for both satellites:            // S3A NT //            SL_0_SLT, SL_1_RBT, SL_2_LST, SL_2_FRP: from 20200916T075553 to 20200916T080223 (~6min)            SL_2_LST, SL_2_FRP: from 20200916T143621 to 20200916T143841 (~140sec)            // S3B NT //            SL_0_SLT, SL_1_RBT, SL_2_LST, SL_2_FRP: from 20200916T071607 to 20200916T072247 (~6min)</p>	CGS PDGS connectivity circulation
16/09/2020	Missing data	x		<p>Missing scans in products due to RFI            Products including sensing period from 20:49:57 to 20:58:57 are affected by the issue</p>	rfi, svalbard
21/09/2020	Missing data		x	<p>Missing scans in products due to RFI            Products including sensing period from 14:48:21 to 14:54:21 are affected by the issue</p>	rfi, svalbard
22/09/2020	Missing data	x		<p>Missing scans in products due to RFI            Products including sensing period from 10:42:18 to 10:48:18 are affected by the issue</p>	rfi, svalbard
25/09/2020	Degraded products	x		<p>Products degraded due to an issue at PDGS level. Following sensing period is impacted:            20200925T105544 to 20200925T111044</p>	missing scans pointing pdgs
28/09/2020	Degraded products	x		<p>Products degraded due to an issue at PDGS level. Following sensing period is impacted:            20200928T062113 to 20200928T065113            20200928T072613 to 20200928T104811</p>	missing scans pointing pdgs
28-30/09/2020	Instrument calibration		x	<p>Data degraded due to blackbody crossover test.            IR channels degraded from 20200928T1214 to 20200930T0810 (from unavailability report            S3B_SAT_UNA_2020_0013_03)</p>	instrument-special-operation / Blackbody Crossover Test



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
01-03/10/2020	Instrument calibration	x		Data degraded due to blackbody crossover test. IR channels degraded from 20201001T0814 to 20201003T0500 (from unavailability report S3A_SAT_UNA_2020_0014_03)	instrument-special-operation / Blackbody Crossover Test
05/10/2020	Missing data	x		Missing scans in products due to RFI Products including sensing period from 01:03:28 to 01:12:28 are affected by the issue	rfi, svalbard
06/10/2020	Degraded products	x		Products degraded due to a data circulation issue at PDGS level. Following sensing period is impacted: 20201006T114343 to 20201006T115243 20201006T134242 to 20201006T134842 20201006T192039 to 20201006T192639	missing scans pdgs circulation
07/10/2020	Degraded products	x	x	Products degraded due to a data circulation issue at PDGS level. Following sensing period is impacted: S3A 20201007T062934 to 20201007T063834 20201007T125531 to 20201007T130431 20201007T155629 to 20201007T160529 S3B 20201007T045603 to 20201007T050503 20201007T215156 to 20201007T220056	missing scans pdgs circulation
07/10/2020	Pointing errors		x	Products from 07:54:02 to 12:56:59 are degraded by pointing errors due to satellite planned manoeuvre	pointing, manoeuvre, geolocation
10/10/2020	Missing data	x		Missing scans in products due to RFI Products including sensing period from 16:30:56 to 16:36:56 are affected by the issue	rfi, svalbard



### S3 SLSTR Anomalies and Events

YEAR 2019					
Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>JANUARY</b>					
01/01/2019	Missing data	x		Products with missing data 16:30:46 to 16:35:37	svalbard
04/01/2019	Missing data	x		Products with missing data 05:12:18 to 05:38:38	svalbard
04/01/2019	Missing data		x	Products with missing data 05:52:48 to 06:28:48	svalbard
05/01/2019	Data gap & Pointing errors		x	Production gaps and degraded products surrounding: 20190105: 21:53:04 to 23:43:35 (110') pointing errors: NRT: 28 SL_1 and 28 SL_2 (20190105 23:43:35 to 20190106 06:08:25) NTC: 64 SL_1 and 4 SL_2 (20190105 23:43:35 to 20190106 06:32:25)	svalbard
06/01/2019	Data gap & Pointing errors		x	Production gaps and degraded products surrounding: 20190106: 02:57:51 to 04:47:54 (110') pointing errors: NRT: 28 SL_1 and 28 SL_2 (20190105 23:43:35 to 20190106 06:08:25) NTC: 64 SL_1 and 4 SL_2 (20190105 23:43:35 to 20190106 06:32:25)	svalbard
20/01/2019	Missing data		x	Products with missing data 07:30:50 to 07:36:50	rfi, svalbard
21/01/2019	Missing data	x		Products with missing data 09:07:09 to 09:07:09	rfi, svalbard
29/01/2019	Missing data	x		Products with missing data 07:30:42 to 07:36:42	rfi, svalbard
<b>FEBRUARY</b>					
06/02/2019	Missing data		x	Products with missing data 10:05:40 to 10:11:40	rfi, svalbard
13/02/2019	Pointing errors		x	Products affected from 08:25:22 to 11:47:21	manoeuvre, pointing
17/02/2019	Missing data		x	Products with missing data between 21:14:34 to 21:23:34	rfi, svalbard
27/02/2019	Pointing errors	x		Products affected from 09:01:19 to T11:05:17	manoeuvre, pointing
<b>MARCH</b>					
05/03/2019	Missing data	x		Products affected from 18:05:07 to 18:11:07	rfi, svalbard
07/03/2019	Missing data		x	Products affected from 09:10:22 to 09:16:22	rfi, svalbard
09/03/2019	Missing data		x	Gap between 06:15:23 and 08:03:59, products at margins degraded pointing errors due to missing navatt from 08:06:00 to 09:26:00	svalbard, pointing
10/03/2019	Missing data	x		Affected between 08:13:15 and 08:25:15 with a small gap between 08:17:14 and 08:21:35	rfi, svalbard
13/03/2019	Pointing errors	x		Due to a planned out-of-plane manoeuvre products affected: NRT from 07:51:41 to 10:01:40; NTC from 06:58:56 to 10:22:40	manoeuvre, pointing
26/03/2019	Missing data	x		Due to commanding of S3A_RIO_OPER_0061 - SLSTR FEE S8 + S9 T_START (S3A_RIO_OPER_0061) products with missing data between - 10:54:19 to 11:02:18 and - 15:57:16 to 16:05:16	instrument, commanding, rio
27/03/2019	Missing data	x		Due to commanding of SLSTR FEE S7 configuration (S3A_RIO_OPER_0061) products with missing data between - 08:47:09 to 08:52:08 and - 13:50:06 to 13:58:06	instrument, commanding, rio
<b>APRIL</b>					



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
02/04/2019	Missing data		x	L1-2 NR and NT products including sensing period from 19:24:31 to 19:30:31 are affected by few missing frames either on S3 or on S4 band	missing scans data S3 S4
05/04/2019	Data gap	x		Partial data loss due to backend problems in beginning of pass reported at Svalbard. Products including sensing period from 12:01:29 to 12:37:56 are either missing or affected by missing data	Gap missing data scans svalbard
08/04/2019	Missing data		x	Missing data due to RFI with SKYMED4 Products including sensing period from 15:21:26 to 15:27:26 are affected by missing data	rfi, svalbard
10/04/2019	Data gap & Pointing errors	x		Products gap from 20190410T09:48:34 to 20190410T09:54:30 Pointing errors flag raised on products sensed from 20190410T09:54:30 to 20190410T14:57:48. L1 products have DISCARDED_NAVATT raised in their manifests	Gap missing data, pointing , navatt,SLT PAC
10/04/2019	Data gap & Pointing errors		x	Products gap from 20190410T09:08:58 to 20190410T09:15:12 Missing data for products including sensing period from 20190410T080507 to 20190410T090858 Pointing errors flag raised on products sensed from 20190410T123305 to 20190410T155919. L1 products have DISCARDED_NAVATT raised in their manifest	Gap missing data, scans , pointing , SLT PAC
11/04/2019 to 17/04/2019	SLSTR-B Decontamination		x	Instrument decontamination. Products missing or degraded from 11/04/2019 12:00:54 to 17/04/2019 03:27:00	Decontamination
17/04/2019	Missing data	x		RFI from SUPERVIEW-1 reported on CAMS Products including sensing period from 21:18:14 to 21:27:14 are affected	rfi, svalbard
19/04/2019	Missing data		x	RFI from Asnaro-2 reported on CAMS Products including sensing period from 07:17:28 to 07:23:28 are affected	rfi, svalbard
27/04/2019	Missing data	x		Missing data due to acquisition issue. Products including sensing period from 10:44:28 to 10:50:28 and from 12:29:07 to 12:31:27 are affected Note that this is an IPF issue which should be fixed when these products will be reprocessed in the future	acquisition, svalbard
29/04/2019	Data gap & degraded products	x		No SLSTR data available from 14:57:09 to 16:41:26 (data gap) Products including sensing period from 14:52:04 16:42:03 include missing data (5 NTC products) Products including sensing period from 16:41:26 to 18:23:02 affected by pointing errors (geolocation affected)	product gap missing data pointing navatt
<b>MAY</b>					



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
02/05/2019	Missing data		x	Sequence errors observed at SVL Products including sensing period from 02:42:04 to 02:51:04 are affected by missing data	sequence error, svalbard
02/05/2019	Missing data	x		Missing data due to RFI Products including sensing period from 23:36:27 to 23:45:27 are affected by missing data	rfi, svalbard
07/05/2019	Missing data	x		Missing data due to RFI Products including sensing period from 13:00:36 to 13:06:36 are affected by missing data	rfi, svalbard
11/05/2019	Missing data		x	Degraded data due to processing issue Products including sensing periods from 10:42:20 to 10:48:20 or 12:27:00 to 12:29:19 are affected by missing data This issue should be fixed during the next reprocessing of the affected products	degraded data processing
20/05/2019 to 26/05/2019	SLSTR-A Decontamination	x		Instrument decontamination. Products missing or degraded from 20/05/2019 12:32:12 to 27/05/2019 11:48:06	Decontamination
24/05/2019	Missing data		x	Sequence errors Products including sensing period from 00:43:58 to 00:52:58 are affected by missing data	sequence error, svalbard
26/05/2019	Missing data	x		Missing data due to ground station issue Products including sensing period from 18:17:03 to 18:23:03 are affected by missing data	svalbard
28/05/2019	Missing data	x		Missing data due to RFI Products including sensing period from 09:56:45 to 10:05:45 are affected by missing data	rfi, svalbard
<b>JUNE</b>					
04/06/2019	Missing data	x		Missing data due to reoccurrence of AR/2202, PDHU PS dump corrupted (SLSTR packet affected) Products including sensing period from 08:28:27 to 08:34:27 are affected by missing data	dump packet corrupted
05/06/2019	Pointing errors		x	Products degraded by pointing errors due to planned satellite manoeuvre Products sensed from 06:40:39 to 08:24:38 are affected by the issue.	in-plane manoeuvre, pointing, geolocation
09/06/2019	Missing data	x		Missing data due to RFI from SkyMed 2 Products including sensing period from 18:07:27 to 18:13:27 are affected by missing data	rfi, svalbard
10/06/2019	Missing data	x		Missing data due to RFI from GCOM-C1 Products including sensing period from 12:35:18 to 12:41:18 are affected by missing data	rfi, svalbard
13/06/2019	Missing data		x	Sequencing errors and uncorrectable frames due to station controller (SCC) connection lost Products including sensing period from 03:38:11 to 03:44:11 are affected by missing data	sequence error, svalbard, station controller (SCC)
13/06/2019	Missing data	x		Missing data due to RFI with known spacecraft (TDX-1) Products including sensing period from 11:07:45 to 11:13:45 are affected by missing data	rfi, svalbard
14/06/2019	Pointing errors	x		Pointing errors (Nadir+Oblique) and "manoeuvre" flag raised due to in-plane-manoeuvre Products including sensing period from 07:12:46 to 10:37:45 are degraded	manoeuvre, pointing



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
19/06/2019	Pointing errors		x	Products degraded due to planned satellite manoeuvre Level 1 products sensed from 05:37:02 to 09:02:01 are flagged with "manoeuvre" tag and include pointing errors flag. Geolocation accuracy is affected	in-plane manoeuvre, pointing, geolocation
21/06/2019	Missing data		x	Missing data due to RFIs Products including sensing period from 12:51:37 to 12:57:37 are affected by missing data	rfi, svalbard
28/06/2019	Missing data		x	Missing data due to RFIs with FormoSat 5 Products including sensing period from 12:44:21 to 12:50:21 are affected by missing data	CGS PACs connectivity
<b>JULY</b>					
05/07/2019	Missing data		x	Missing data due to RFI Products including sensing period from 21:13:00 to 21:22:00 are affected by missing data	rfi, svalbard
08/07/2019	Missing data	x		Missing data due to RFIs Products including sensing period from 21:15:03 are 21:24:03 affected by missing data	rfi, svalbard
08/07/2019	Data gap & Degraded products	x		Due to an antenna failure, a large data gap is observed on 08/07/2019 from 14:46:58 to 19:46:50. Besides, products generated and including sensing periods from 14:40:06 to 21:30:03 are degraded either by missing data, pointing errors, or both issues.	gap, degraded, antenna
13/07/2019	Pointing errors	x		Geolocation accuracy degraded due to missing TM_0_NAT. Issue at satellite level Products with sensing period from 07:35:13 to 11:00:12 are affected by the issue	pointing, Navatt, TM_0_NAT
16/07/2019	Missing data	x		Missing data on products. Loss of frames during acquisition. Products with sensing period from 09:29:39 to 09:38:39 and from 11:16:38 to 11:22:38 are affected by the issue	sequencing error
17/07/2019	Data gap & Degraded products		x	Signal not properly received by antenna: a large data gap is observed from about 20:14 to 21:55. Besides products generated but within sensing period from 20:04:48 to 23:38:46 are degraded either by missing data, pointing errors, or both issues.	antenna data gap degradation
29/07/2019	Missing data		x	Missing data due to RFI Products including sensing period from 10:14:40 to 10:20:40 are affected by missing data	rfi, svalbard
30/07/2019	Missing data		x	Missing data due SCC hardware disconnection at pass setup Products including sensing period from 23:52:23 are affected by missing data	SCC hardware
31/07/2019	Missing data		x	Missing data due SCC hardware disconnection at pass setup Products including sensing period until 00:01:23 are affected by missing data	SCC hardware
<b>AUGUST</b>					
07/08/2019	Missing data	x		Missing data due to RFI from FORMOSAT-5 Products including sensing period from 10:26:32 to 10:32:32 are affected by missing data	rfi, svalbard



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
23/08/2019	Missing data		x	Missing data due to RFI from GCOM-C1 Products including sensing period from 05:49:03 to 05:58:03 are affected by missing data	rfi, svalbard
28/08/2019	Degraded products & pointing errors		x	SLSTR products degraded by a planned in-plane-maœuvre. Reduced data quality for SLSTR from 09:50 to 12:06.	in-plane maœuvre
28/08/2019	Degraded products & pointing errors	x		SLSTR products degraded by a planned out-of-plane-maœuvre. Reduced data quality for SLSTR from 12:02 to 14:25.	out-of-plane maœuvre
<b>SEPTEMBER</b>					
01/09/2019	Missing data		x	PDGS issue originating the following issues: // GAPS //	rfi, svalbard
03/09/2019	Degraded products		x	Data degraded due to blackbody crossover test covering sensing times from 03/09/2019 09:30	instrument-special-operation
04/09/2019	Degraded products		x	Data degraded due to blackbody crossover test covering sensing times until 04/09/2019 20:30.	instrument-special-operation
05/09/2019	Missing data & Data Gap	x		S3A SLSTR data gap found due to antenna failure at Svalbard station between 05:54 and 07:36. PDU before and after degraded. Missing navatt files between 04:10:10 to 09:19:08.	antenna data gap degradation missing navatt
05/09/2019	Degraded products	x		Data degraded due to blackbody crossover test covering sensing times from 05/09/2019 09:15	instrument-special-operation
06/09/2019	Degraded products	x		Data degraded due to blackbody crossover test covering sensing times until 06/09/2019 18:30.	instrument-special-operation
26/08/2020	Missing data		x	Missing scans in products due to RFI Products including sensing period from 19:24:49 to 19:29:48 are affected by the issue	rfi, svalbard
29/08/2020	Degraded products		x	Missing scans in products due to processing issue. Products including the following sensing periods are affected on certain bands S3A: from 04:05:45 to 04:08:45 ; 04:11:45 to 04:20:45 ; 04:35:45 to 04:41:45 ; 06:01:44 to 06:07:44 S3B: from 03:53:22 to 03:56:22	instrument-special-operation
31/08/2020	Degraded products	x		Missing scans in products - cause under investigation Products including sensing period from 17:11:17 to 17:20:17 are affected by the issue	missing scans
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
27/09/2019	Data gap & Degraded products		x	PDHU Memory Scrubbing activity impact Products until sensing time 20190926T021934 can be missing (=data gap) or affected by pointing errors or missing data in products (=degraded products)	PDHU Memory Scrubbing activity
<b>November</b>					
05/11/2019	Pointing errors	x	x	Pointing errors for SL_1_RBT NTC products due to missing Navatt. Navatt not available for processing due to a maintenance on PDGS side. S3A products from 20191105T093453 to 20191105T111852 affected (35 products) S3B Products from 20191105T085519 to 20191105T103918 affected (35 products)	pointing, Navatt, TM_0_NAT
12/11/2019	Missing data & Data Gap	x		S3A RFI causing data gap and missing frames Products from sensing time 20191112T080935 to 20191112T082735 are either missing or degraded	data gap, missing, RFI
12/11/2019	Missing data		x	RFI causing missing scans in products Products including sensing period from 16:57:58 to 17:03:58 are affected by the issue	rfi, svalbard
15/11/2019	Missing data		x	RFI causing missing scans in products Products including sensing period from 14:42:26 to 14:48:26 are affected by the issue	rfi, svalbard
18/11/2019	Missing data		x	RFI causing missing scans in products Products including sensing period from 01:39:59 to 01:48:59 are affected by the issue	rfi, svalbard
20/11/2019	Missing data		x	RFI causing missing scans in products Products including sensing period from 11:11:33 to 11:14:33 are affected by the issue	rfi, svalbard
27/11/2019	Pointing errors	x		Products degraded by pointing errors due to planned satellite manoeuvre Products sensed from 07:51:46 to 10:07:44 are affected by the issue	manoeuvre, pointing, geolocation
27/11/2019	Missing data		x	RFI causing missing scans in products Products including sensing period from 23:47:10 to 23:56:10 are affected by the issue	rfi, svalbard





### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>December</b>					
02/12/2019	Pointing errors	x		Pointing error flags raised on products as a consequence of PDHU dump anomaly. NAVATT are not missing then the issue could have no impact on products quality / geolocation accuracy. Products sensed from 04:28:51 to 09:36:04 are concerned	pointing, geolocation, PDHU
02/12/2019	Missing data	x		RFI causing missing scans in products Products including sensing period from 23:35:42 to 23:44:42 are affected by the issue	rfi, svalbard
09/12/2019	Missing data		x	Products including sensing period from 23:35:42 to 23:44:42 are affected by missing scans. Reason of the issue unknown	missing data scans
11/12/2019	Pointing errors	x		Pointing errors due to satellite manoeuvre. Products including sensing period from 10:42:07 to 14:04:05 are affected by the issue	manoeuvre pointing
18/12/2019	Pointing errors		x	Pointing errors due to satellite manoeuvre. Products including sensing period from 06:59:23 to 10:24:22 are affected by the issue	manoeuvre pointing
23/12/2019	Missing data	x		RFI causing missing scans in products Products including sensing period from 13:43:54 to 13:49:54 are affected by the issue	rfi, svalbard
24/12/2019	Missing data		x	RFI causing missing scans in products Products including sensing period from 21:51:10 to 22:00:10 are affected by the issue	rfi, svalbard



## S3 SLSTR Anomalies and Events

YEAR 2018					
Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>JANUARY</b>					
01/01/2018	Missing orbit acquisition at Svalbard	x		Non generation of orbit 9760 due to an antenna issue at Svalbard	Svalbard, antenna, missing orbit
23/01/2018	Missed data starting from orbit #10077 to #10080	x		SLSTR-A products impacted from PDU with sensing time 06:11 to 06:17, 09h13, 14h13 and 15h58	Svalbard
25/01/2018	SLSTR-A S8 Dynamic Range	x		products degraded in the period 08h22 to 08h25	calibration
<b>FEBRUARY</b>					
07/02/2018	Loss of data @ Svalbard	x		PDU affected OLCI: 14h35 SLSTR: 14h24 to 14h29	svalbard
09/02/2018	Loss of data @ Svalbard	x		PDU affected: 13h49 to 14h19	svalbard
15/02/2018	Loss of data @ Svalbard			Loss of data at SVL during downlink orbit 10400	svalbard
15/02/2018	SLSTR-A Decontamination #6 and onboard maintenance	x		products degraded between 2018/02/15 and 2018/02/21	decontamination
"	Loss of data @Svalbard	x		PDUS with missing data between 01h09 and 01h15	svalbard
24/02/2018	Loss of data @ Svalbard	x		Missing data in SLSTR products 20180224	svalbard
<b>MARCH</b>					
07/03/2019	Missing Blackbody packets in SLSTR L0 products (START)	x		Occasional missing BB packets in L0 products from 7/3/2018 solved the 12th June. Originatin No prameters exceptions in BT channels	pug,L0,start
14/03/2018	Loss of data	x		Loss of transfer frames was reported on ARTS	svalbard
17/03/2018	Orbit 10835: No signal From Spacecraft	x		Missing or degraded from 17-03-2018T130006 to 17-03-2018T143945. Pointing errors in the following 14:39:26 to 16:19:23	svalbard
<b>APRIL</b>					
05/04/2018	Abs orbit 11001 not generated due to plann	x		No products available from sensing time 05:28:12 to 08:07:56	
22/04/2018	RFI @ Svalbard	x		Degraded products or missing from 00:30 to 05:01	svalbard
24/04/2018	Missing data in SLSTR granule 20180424	x		Product 07:10:34 to 07:13:34 with missing data	svalbard
<b>MAY</b>					
08/05/2018	Missing NAVATT due to reception loss @Svalbard	x		SLSTR geolocation degraded in orbit 15h24 to 16h50	svalbard
18/05/2018	RFI @ Svalbard	x		Degraded PDUs from 18h28 to 18h34	rfi, svalbard
21/05/2018	RFI @ Svalbard	x		Degraded PDUs 07h19 and 07h51	rfi, svalbard
22/05/2018	RFI @ Svalbard	x			rfi, svalbard
24/05/2018	S3A in-plane manouvre	x		2 orbits geolocation affected approx. in period 08:05 to 08:19	manoeuvre
27/05/2018	S3A loss of data	x		PDUs with degraded data 08h58 to 09h40	svalbard
<b>JUNE</b>					



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
01/06/2018	Missing data in SLSTR granules the 20180601	x		Degraded data in PDU starting at 00:44:35, 04:50:32, 14:24:28, 19:50:26, 21:11:26 and 21:14:26 Events: commanding for SLSTR Straylight Test SOR 2018-FCT155 and RFI (PDGSANOM-3336)	svalbard
02/06/2018	Missing data in SLSTR granules the 20180602	x		Degraded data between 08:19:20 and 09:45:19	
03/06/2018	Missing data in SLSTR granules the 20180603	x		PDU's with degraded data 13:17:07 to 13:17:07	rfi, svalbard
06/06/2018	S3A and S3B blackbody crossover test performed on the 6th and 7th June	x	x		test,blackbody
08/06/2018	No data acquired for orbits 618 and 619 on DOY 159		x	Missing data approx between 03h18 and 06h40	svalbard
"	Missing data in SLSTR granules the 20180608	x		Few products with missing scans	svalbard
10/06/2018	Missing data in SLSTR granules the 20180610	x		Few products with missing scans	rfi, svalbard
12/06/2018	Missing data in SLSTR granules the 20180612	x		Degraded products between 11:20:29 and 11:26:29, 15:17:26 and 17:03:34	rfi, svalbard
"	Missing Blackbody packets in SLSTR L0 products (END)	x	x	Occasional missing BB packets in L0 products from 7/3/2018 solved the 12th June. Originating No parameters exceptions in BT channels	pug,L0,end
19/06/2018	Missing data in SLSTR-A granules the 20180619	x		No data from 05:36:13 to 14:04:09	svalbard
21/06/2018	Missing data in SLSTR-A granules the 20180621	x		Degraded products between 00:19:54 and 00:25:54	rfi, svalbard
27/06/2018	Missing data in product		x	Affected granule from 12h12	Svalbard
"	Product not generated	x		Missing data from 22:15:58 to 22:29:51	Svalbard
<b>JULY</b>					
02/07/2018	RFI @Svalbard	x		products degraded in the period 14h08 to 14h43	Svalbard
04/07/2018	S3A: Orbit 12395: Antenna Failed	x		Missing or degraded data from 22h25 to 00h22 the 2018/07/05; geolocation affected in this period	Svalbard
17/07/2018	Moon Calibration Test		x	Data gap or degraded products between 08h35 and 10h16	manoeuvre, calibration
20/07/2018	Downlink Errors @Svalbard		x	Few products with missing data 02h06 02h12	Svalbard
24/07/2018	Downlink Errors @Svalbard		x	Few products with missing data 11h57 to 12h03	Svalbard
27/07/2018	Moon Calibration		x	Data gap or degraded products between 04h11 and 05h53	manoeuvre, calibration
<b>AUGUST</b>					
01/08/2018	S3A in-plane manoeuvre	x		2 orbits geolocation affected approx.	Decontamination
	S3B Decontamination		x	10 days affected	Decontamination
18/08/2018	S3B Sequencing errors @Svalbard		x	Few PDUs degraded	Svalbard
20/08/2018	S3B Sequencing errors @Svalbard		x	products degraded in the period 11h54 to 12h00	Svalbard
22/08/2018	Antenna Failed	x		2 orbits geolocation affected approx., few PDU affected	Svalbard



## S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
28/08/2018	Straylight Test SLSTR	x	x	product degraded in the period: S3A - 08:43:21 to 13:58:49 Orbit 13170 to 13173 S3B - 08:45:37 to 13:57:42 Orbit 1776 to 1779	calibration
29/08/2018	Pointing errors associated to S3B manoeuvre		x	2 orbits geolocation affected approx.	manoeuvre
30/08/2018	Pointing errors associated to S3B manoeuvre		x	2 orbits geolocation affected approx.	manoeuvre
<b>SEPTEMBER</b>					
12/09/2018	PDHU PS dump	x		Some PDU with missing data between 22h26 and 22h55	svalbard
13/09/2018 to 19/09/2018	SLSTR-A Decontamination	x		Instrument decontamination. Products missing or degraded from 13/09/2018 11:50:11 to 19/09/2018 21:51:01	Decontamination
16/09/2018	Loss of data @Svalbard		x	Missing data in PDUs 11h51 and 11h54	svalbard
19/09/2018	S3B: Orbit 2092: loss of data		x	Missing data in some PDUs between 12h25 and 12h37	svalbard
23/09/2018	Missing data in SLSTR-B granules the 20180923		x	16h58 and 17h01 PDUs degraded	
24/09/2018	Loss of data @Svalbard	x		PDUs with missing data between 00h54 and 01h01	svalbard
25/09/2018	Sequencing errors @Svalbard		x	PDUs with missing data between 00h54 and 01h00	svalbard
<b>OCTOBER</b>					
02/10/2018	SLSTR setting of Nadir and Oblique VISCAI parameters		x	PDUs affected between 10h13 and 10h31	calibration
08/10/2018	LOPP Granules for orbit #2364		x	PDUs with missing data between 14h17 and 14h28	svalbard
13/10/2018	S3B: Orbit 2434: loss of data observed		x	PDUs with missing data at 11h49 and 11h51	Svalbard
15/10/2018	Pointing errors due to in-plane manoeuvre		x	SLSTR-B pointing errors due to in-plane manoeuvre: Thrust start time [UTC]: 2018-10-15T03:00:17.475	manoeuvre
15/10/2018	2nd Drift phase manoeuvre		x	2 orbit with degraded geolocation from 10h30	manoeuvre



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
18/10/2018	SLSTR-B SOR EST062		x	PDGS issue originating the following issues:  // GAPS // S3A: 20200809T055836 to 20200809T060551 (L0/L1/L2) 20200810T002506 to 20200810T002720 (L1) 20200810T071404 to 20200810T072105 (L0/L1/L2) S3B: 20200808T123051 to 20200808T123312 (L1) 20200809T014006 to 20200809T015340 (L1/L2) 20200809T064104 to 20200809T064303 (L1/L2) 20200809T070100 to 20200809T070746 (L0/L1/L2)  //DEGRADED PRODUCTS // S3A (=missing scans): 20200808T230632 to 20200808T230959 20200809T055329 to 20200809T060829 20200809T224021 to 20200809T224621 20200810T002120 to 20200810T002506 20200810T071117 to 20200810T072317 S3B (=missing scans or discarded navatt): 20200808T122712 to 20200808T123051 20200809T070746 to 20200809T100502 20200809T234528 to 20200809T234756	test
22/10/2018	SLSTR-B SOR EST063		x	products degraded between 16h13 and 16h21 and between 22h57 and 23h05	test
24/10/2018	2nd Drift phase manoeuvre		x	geolocation degraded for 2 orbit starting at 08h53	manoeuvre
26/10/2018	SLSTR-B Decontamination		x	Degraded between 20181026T081036 to 2018102T044615 (8 days affected)	Decontamination
27/10/2018	Missing data in SLSTR-A granules	x		Degraded products 00:13:11 to 00:22:11	rfi, svalbard
<b>NOVEMBER</b>					
26/08/2020	LOPP Granules for orbit #2364		x	Missing scans in products due to RFI Products including sensing period from 19:24:49 to 19:29:48 are affected by the issue	svalbard
29/08/2020	2nd Drift phase manoeuvre		x	Missing scans in products due to processing issue. Products including the following sensing periods are affected on certain bands S3A: from 04:05:45 to 04:08:45 ; 04:11:45 to 04:20:45 ; 04:35:45 to 04:41:45 ; 06:01:44 to 06:07:44 S3B: from 03:53:22 to 03:56:22	manoeuvre
31/08/2020	Missing data in SLSTR-A granules	x		Missing scans in products - cause under investigation Products including sensing period from 17:11:17 to 17:20:17 are affected by the issue	missing scans



### S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
10/11/2018	Missing data in SLSTR-B granules the 20181110		x	PDU's with missing data: 00:19:29 to 00:28:29	svalbard
15/12/2018	Missing data in SLSTR-A 20181215	x		PDU affected: 06:59:58	rfi, svalbard
20/12/2018	SLSTR-B Degraded by SRAL cross-calibration manoeuvre - 20181220		x	PDU's missing data 08:22:32 to 08:30:31 and pointing errors 08:51:31 to 10:35:31	manoeuvre
26/12/2018	Missing data in SLSTR-A 2018/12/26	x		PDU's missing data 02:56:58 to 03:02:58	svalbard
28/12/2018	S3A missed data on 28/12/2018	x		Gaps: SL_1 12:39:31- 14:24:56 ; SL_2 11:05:47 - 14:24:56	svalbard



## S3 SLSTR Anomalies and Events

YEAR 2017					
Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>JANUARY</b>					
23/01/2017	Data gap	x		Gap between 08:29:27 and 13:45:05	gap
<b>FEBRUARY</b>					
01/02/2017	Missing data in SLSTR Granules	x		Few granules degraded between 14:51:05 and 14:54:05	svalbard
07/02/2017	Orbit corrupted at Svalbard	x		Originating data Gap & degraded products between 18:48:57 and 20:29:56	svalbard,gap
14/02/2017 19/02/2017	SLSTR FPU trap anomaly	x		Re-occurrence of the SLSTR FPU trap anomaly which triggered a CDE transition to STANDBY-REFUSE mode - Solved by decontamination of SLSTR instrument	instrument, decontamination
<b>MARCH</b>					
15/03/2017	S3A Out-of-plane manoeuvre	x		Gap 06:31:23 to 08:13:20	manoeuvre, gap
16/03/2017 17/03/2017	SLSTR FPU trap anomaly	x		Re-occurrence of the SLSTR FPU trap anomaly. Detectors temperatures are back to nominal. Products acquired between 20170316T0155 and 20170317T2226 (if acquired) are impacted by the anomaly. SLSTR CDE was commanded back to ON-DUTY at 22:26:30 UTC	instrument, decontamination
<b>APRIL</b>					
N/A					
<b>MAY</b>					
02/05/2017	SLSTR offset voltages	x		The SOR to fulfil the request RIO_OPER_0042 v1.1 was successfully executed. The temporary offset voltages were applicable the 2017/05/02 from 07:33:35 UTC (orbit #6282) until 12:31:26 UTC (orbit #6285).	instrument
07/05/2017	Missing data in SLSTR granules the 20170507	x		Products degraded between 10:43:35 and 10:55:35	
23/05/2017	S3A in-plane manoeuvre	x		Manoeuvre from 14:28 to 14:42	manoeuvre
<b>JUNE</b>					
N/A					
<b>JULY</b>					
06/07/2017	Loss of transfer frame S3A	x		Products degraded between 16:04:25 and 16:10:25	svalbard
07/07/2017	Gap / Missing data	x		Gap or degraded products between 03:42:20 and 03:54:20	gap
30/07/2017 06/08/2017	Instrument Anomaly	x		Double-Bit Flip Anomaly + Decontamination: 30 Jul 2017 at 14:33 to 06Aug at 11:04	anomaly, instrument, decontamination
<b>AUGUST</b>					
"					
<b>SEPTEMBER</b>					
01/09/2017	S3A: Orbit 8027 Antenna Interlock, No data received	x		Gap and degraded products at start from 14:39:53 to 16:26:52	svalbard, gap



## S3 SLSTR Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
13/09/2017	Missing data SLSTR data 13th September 2017	x		Granule affected at 08:17:43 to 08:20:43	
25/09/2017	Data Loss at the station for dump 8369 and corrupted products	x		A loss of data has been observed @Svalbard during downlink orbit 8369 (AOS: 25/09/2017 16:01:21 – LOS: 25/09/2017 16:15:07) on both DFEPs. The loss of transfer frames involves OLCI, SLSTR and SRAL instrument data (VCID 1,3 and 5) and both channels. The entity of the data loss is around 10k of frame According to Sentinel 3 CGS1 daily operations report the DFEP and Antenna status are reported as OK and no predicted RFI are indicated - Affected granule 14:26:26 to 14:29_26	svalbard
27/09/2017	Inplane Manoeuvre	x		In plane manoeuvre from 08:01 to 08:15	manoeuvre
<b>OCTOBER</b>					
25/10/2017	SLSTR degraded ISP on 25/10/2017	x		SLSTR degraded ISP on 25/10/2017 between 10:27:55 and 10:36:55	rfi, svalbard
<b>NOVEMBER</b>					
14/11/2017	[S3MPC] SLSTR products Anomally	x		SLSTR products Anomally between 12:02:12 and 12:49:11	svalbard
<b>DECEMBER</b>					
13/12/2017	Out of plane manoeuvre	x		Planned out of plane manoeuvre 07:58 to 08:31	manoeuvre