



YEAR 2020

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>JANUARY</b>					
05/01/2020	Missing frames		x	RFI from unknow spacecraft caused missing frames in OLCI . Products with sensing times affected from: 16:24:58 to 16:27:58.	missing data frame isp RFI
09/01/2020	Missing frames		x	Unknown source caused missing frames in OLCI (suspected RFI delegated to SVL). Products with sensing times affected from: 09:25:17 to 09:28:17.	missing data frame ISP
18/01/2020	Missing frames	x		Missing data and gap due to PDHU dump anomaly. Missing frames impact: from 16:09:55 to 16:12:06 Temporary data gap at NTC from 16:53:47 to 19:31:53 for L1 & L2 products. All gaps were recovered	PDHU dump anomaly missing frames
21/01/2020	Missing frames		x	Missing frames due to RFI with S1B Product sensing times affected from 09:17:02 to 09:20:02	missing data frame isp RFI
23/01/2020	Missing frames (expected)	x		S09 Calibration caused missing frames but not data gap; product sensing times impacted: Product sensing times impacted: 09:01:15 to 09:07:15 Invalid frames from: 09:04:12 to 09:05:21 (actual calibration impact)	missing data frame ISP S09 calibration
<b>FEBRUARY</b>					
02/02/2020	Data gap		x	Data gap at NRT & NTC due to S09 calibration: NRT Gap from 09:05:46-09:06:54 NTC Gap from 09:05:46-09:06:54	Data gap S09 calibration
09/02/2020	Missing frames		x	Missing frames due to RFI with SKYSAT-C1. Product sensing times affected from 19:54:25 to 19:57:25.	missing data frame isp RFI
23/02/2020	Missing frames		x	Missing frames due to RFI with GCOM-C1 Product sensing times affected from 04:49:58 to 04:52:58.	missing data frame isp RFI
17/02/2020- 24/02/2020	Extra data acquisition	x		OLCI twilight test: <b>to be updated potentially</b> Extra data received for twilight orbit extensions on 17.02.2020, 20.02.2020 & 24.02.2020 Some NTC data outside of normal acquisition is yet to be recovered as per LOME ticket. Gap for 17th from 17:10:33 to 17:13:33 Gap for 20th from 17:32:59 - 17:35:59 Gaps for 24th: 20945 15:51:15 - 15:58:02, 20946 17:32:15 - 17:39:00, 20947 19:13:14 - 19:19:59	extra data data gap
28/02/2020	Missing frames	x		Missing frames due to RFI with Radarsat-2 Product sensing times affected from 03:30:36 to 03:33:36.	missing data frame isp RFI
27/02/2020- 28/02/2020	Missing frames Data Gap	x	x	Degraded data and gaps due to poor X-band signal for the following times: S3A - (27th 22:18:39 to 22:21:09, 22:46:44 to 22:48:39) and (28th 00:03:40 to 00:05:38) S3B - (27th 21:42:07 to 21:48:41 and 22:00:20 to 22:06:07) Gaps are present for the following times below: S3A from (27th 22:21:09 to 22:46:44, 22:56:09 to 00:03:40) and (28th 03:59:05 to 05:18:17) S3B from (27th 21:48:41 to 22:00:20 and 22:16:37 to 00:54:46)	missing data data gap signal loss
<b>MARCH</b>					
03/03/2020	Missing frames	x		Missing frames due to RFI with APRIZESAT 7. Product sensing times affected from 13:53:47 to 13:59:47.	missing data frame isp RFI



S3 OLCI Anomalies and Events

13/03/2020	Missing frames	x		Missing frames detected, cause RFI. Product sensing times affected from 15:42:54 to 15:45:54.	missing data frame isp RFI
16/03/2020	Missing frames	x		Missing frames detected, cause RFI. Product sensing times affected from 15:42:54 to 15:45:54.	missing data frame isp RFI
22/03/2020	Missing frames	x		Missing frames detected, cause RFI with ALOS-2. Product sensing times affected from 10:00:19 to 10:03:19.	missing data frame isp RFI
23/03/2020	Missing frames Data Gap	x		Missing frames detected, cause snow on radome. Product sensing times affected from 09:46:08 to 09:52:08. Data gap from 09:49:18 to 09:50:15.	missing data frame isp CGS issue
24/03/2020	Missing frames Data Gap		x	Missing frames detected, cause RFI with S2B. Product sensing times affected from 00:29:18 to 00:30:30. Data gap from 00:25:25 to 00:29:18 .	missing data frame isp RFI data gap
<b>APRIL</b>					
05/04/2020	Missing frames	x		Missing frames detected for OLCI, due to RFI. Product sensing times affected from 12:30:45 to 12:33:45.	missing data frame isp
13-14/04/2020	Data gap		x	CGS issue caused: Data gap from 22:18:48 to 00:56:33.	data gap
14/04/2020	Data gap missing NAVATT	x		CGS issue caused: Data gap from 05:00:00 to 06:45:00 Discarded NAVATTS for RO 120	data gap missing NAVATTS
14/04/2020	Missing frames Data Gap		x	Missing frames related to CGS issue: Product sensing times affected from 02:40:36 to 02:45:46. Data gap present from 02:45:46 to 04:18:31	missing data frame isp RFI data gap
19/04/2020	Missing frames		x	Missing frames due to RFI with PH1B I: Product sensing times impacted from: 14:30:36 to 14:33:36	missing data frame isp RFI
21/04/2020	Missing frames	x		Missing frames due to RFI with Pleiades 1B: Product sensing times impacted from: 12:21:50 to 12:24:50	missing data frame isp RFI
30/04/2020	Missing frames	x		Missing frames due to RFI with ICEYE-X2: Product sensing times impacted from: 19:58:07 to 20:04:07	missing data frame isp RFI
<b>MAY</b>					
10/05/2020	Data gap	x		Data gap due to an S09 calibration. Gap present at all EFR levels from 09:04:20 to 09:05:28 68. ERR not impacted except for discontinuity.	missing data frame ISP S09 calibration
20/05/2020	Data gap		x	Data gap due to an S09 calibration. Gap present at all EFR levels from 09:05:56 to 09:07:04. ERR not impacted except for discontinuity.	missing data frame ISP S09 calibration
22/05/2020	Missing frames	x		Missing frames due to RFI with Pleiades 1B: Product sensing times impacted from: 23:53:01 to 23:56:01	missing data frame isp RFI
<b>JUNE</b>					
03/06/2020	Missing frames		x	Missing frames due to CGS issue Product sensing times affected from 16:05:24 to 16:06:20.	missing data frame isp
11/06/2020	Missing frames	x		Missing frames due to RFI from GCOM-C. Product sensing times affected from 01:44:28 to 01:50:28	missing data frame isp RFI
15/05/2020	Data gap missing NAVATT	x		Products missing navatts impacted between 16:34:05 to 16:37:36 (NRT only so far) Gap reduced to 1 NTC pdu from 16:33:22 to 16:34:05.	data gap missing NAVATTS
<b>JULY</b>					



S3 OLCI Anomalies and Events

04/07/2020	Missing frames	x		Missing frames NT and (discarded Navatts NRT only) due to Lunar observation. Product sensing times for missing frames affected from 16:40:56 to 16:42:06.	missing data frame discarded navatts
14/07/2020	Missing frames		x	Missing frames caused by processing issue related to badly selected granules. Product sensing times affected from 08:54:52 to 09:00:52.	missing data frame processing
19/07/2020	Missing frames		x	Missing frames due to RFI from FLOCK 3P. Product sensing times affected from 18:00:52 to 18:03:52.	missing data frame isp RFI
23/07/2020	Missing frames		x	Missing frames due to RFI from PLEIADES. Product sensing times affected from 01:04:15 to 01:07:15	missing data frame isp RFI
<b>AUGUST</b>					
02/08/2020	Missing frames	x		Missing frames due to RFI. Product sensing times affected from 17:33:42 to 17:36:42	missing data frame isp RFI
04/08/2020	Missing frames	x		Missing frames due to RFI. Product sensing times affected from 23:37:17 to 23:40:17	missing data frame isp RFI
08/08/2020	Missing frames	x		Missing frames due to RFI with SUPERVIEW-1. Product sensing times affected from 11:58:38 to 12:01:38.	missing data frame isp RFI
09/08/2020	Missing NAVATT		x	PDGS processing issue caused missing Navatts in NTC products Discarded NAVATTS impacting from 09/08/2020 07:07:46 to 07:49:15	data gaps discarded navatts
10/08/2020	Missing NAVATT	x		PDGS processing issue caused missing Navatts in NTC products Discarded NAVATTS impacting from 10/08/2020 07:21:05 to 08:02:35	data gaps discarded navatts
10/08/2020	Missing frames		x	Missing frames due to RFI with CFOSAT. Product sensing times affected from 06:43:53 to 06:46:53.	missing data frame isp RFI
17/08/2020	Missing frames	x		Missing frames due to RFI Product sensing times affected from 09:31:58 to 09:34:58.	missing data frame isp RFI
26/08/2020	Data gap	x		Expected data gap due to an S09 planned calibration. Gap is observed from 09:04:15 to 09:05:23.	data gap S09 calibration
26/08/2020	Missing frames		x	Missing frames due to RFI. Product sensing times affected from 18:30:49 to 18:33:49.	missing data frame isp RFI
31/08/2020	Missing frames	x		Missing frames - cause not identified yet. Product sensing times affected from 16:50:17 to 16:53:17.	missing data frame isp
<b>SEPTEMBER</b>					
02/09/2020	Missing frames	x		Missing frames due to RFI Product including sensing period from 12:35:56 to 12:38:56 are affected by the issue	missing data frame isp RFI
05/09/2020	Data gap		x	Expected data gap due to a planned calibration. Gap is observed from 09:06:00 to 09:07:08	data gap calibration S09 S03 S02
10/09/2020	Missing frames	x		Missing frames due to RFI Product including sensing period from 07:28:31 to 07:31:31 are affected by the issue	missing data frame isp RFI
16/09/2020	Missing frames	x		Missing frames due to RFI Product including sensing period from 14:48:21 to 14:51:21 are affected by the issue	missing data frame isp RFI
16/09/2020	Missing frames Data gap		x	Missing frames for S3B: Product sensing times affected from 05:43:14 to 05:50:00. Gap is observed for NRT only of 98s due to shorter NR product durations; NTC gap resolved fully except for final orbit PDUs.	missing data frame Data gap
21/09/2020	Missing frames		x	Missing frames due to RFI Product including sensing period from 20:31:57 to 20:34:57 are affected by the issue	missing data frame isp RFI



S3 OLCI Anomalies and Events

22/09/2020	Missing frames	x		Missing frames due to RFI Product including sensing period from 10:33:18 to 10:36:18 are affected by the issue	missing data frame isp RFI
25/09/2020	Missing frames	x		Missing frames due to circulation issue: Product sensing times impacted from 10:53:07 to 11:22:44	missing data frame
28/09/2020	Missing frames	x	x	Missing frames due to circulation issue (as above but for 28th): S3A Product sensing times impacted from 06:15:13 to 06:51:13 S3B Product sensing times impacted from 12:28:42 to 12:34:42	missing data frame
<b>OCTOBER</b>					
05/10/2020	Missing frames		x	Missing frames due to RFI: Product sensing times impacted from 00:54:28 to 01:00:28	missing data frame isp RFI
06-07/10/2020	Missing frames	x	x	Missing frames due to PDGS circulation issues: S3A orbits ----- 06/10/2020 24151 from 11:19:43 - 11:22:43 24155 from 18:15:40 - 18:18:40 07/10/2020 24162 from 05:53:34 - 05:59:34 24166 from 12:34:31 - 12:37:31 24168 from 15:50:29 - 15:53:29 S3B orbits ----- 07/10/2020 12768 from 05:02:03 - 05:05:03 12778 from 21:51:56 - 21:57:56	missing data frame
09/10/2020	Missing frames	x		Missing frames due to a sporadic PDGS circulation issue: Product sensing times impacted from 08:53:11 to 08:54:32	missing data frame
10/10/2020	Missing frames	x		Missing frames due to RFI: Product sensing times impacted from 16:15:56 to 16:18:56	missing data frame isp RFI
20/10/2020	Missing frames		x	Missing frames due to RFI: Product sensing times impacted from 09:30:40 to 09:33:40	missing data frame isp RFI
21/10/2020	Missing frames		x	Missing frames due to RFI: Product sensing times impacted from 12:32:28 to 12:35:28	missing data frame isp RFI
<b>NOVEMBER</b>					
01/11/2020	Missing frames Data Gap	x		Missing frames due to RFI: Product sensing times impacted from 10:34:54 to 10:36:52 Data gap from 10:36:52 to 10:37:49 as result of RFI too.	missing data frame isp RFI data gap
05/11/2020	Missing frames		x	Missing frames due to PDHU anomaly Product sensing times affected from: RO 202 - 00:50:49 to 00:53:49 RO 203 - 03:13:48 to 03:15:07	PDHU dump anomaly missing frames
08/11/2020	Missing frames		x	Missing frames due to RFI: Product sensing times impacted from 01:37:16 to 01:40:10	missing data frame isp RFI
08/11/2020	Data Gap	x		Data gap due to antenna issue: from 00:55:15 to 03:32:57	Data Gap
08/11/2020	Data Gap		x	Data gap due to antenna issue: from 01:40:10 to 04:34:33	Data Gap





YEAR 2019

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>JANUARY</b>					
01/01/2019	Missing frames	x		Missing frames due to RFI. Products including sensing period from 16:22:15 to 16:24:15 are affected	missing data frame isp RFI
04/01/2019	Data gap & Missing frames	x		Unstable signal caused uncorrectable frames. Products including sensing period from 04:57:18 to 05:15:18 are missing or degraded by missing frames	missing frame isp data gap svalbard
04/01/2019	Data gap & Missing frames		x	Sequencing errors and uncorrectable frames due to drop in signal. Products including sensing periods from 05:56:12 to 06:02:27 and from 06:22:14 to 07:32:15 are either missing or containing missing frames	missing frame isp data gap svalbard
05/01/2019	Missing frames	x		RFI from SuperView Products including sensing period from 20:04:01 to 20:07:01 are affected by missing frames	missing data frame isp RFI
05/01/2019	Data gap		x	Data gap from 21:17:52 to 23:55:53 No signal received due to antenna issue	missing frame isp data gap antenna
06/01/2019	Data gap		x	Data gap from 02:20:49 to 04:58:50 No signal received due to antenna issue	missing frame isp data gap antenna
20/01/2019	Missing frames		x	A few missing frames due to RFI FR products including sensing period from 07:21:50 to 07:24:50 are affected	missing data frame isp RFI
21/01/2019	Missing frames	x		A few missing frames due to RFI FR products including sensing period from 09:10:46 to 09:12:44 are affected	missing data frame isp RFI
29/01/2019	Missing frames	x		A band of about one hundred frames is missing due to RFI Products including sensing period from 07:25:39 to 07:27:39 are affected	missing data frame isp RFI
<b>FEBRUARY</b>					
06/02/2019	Missing frames		x	A few frames missing due to RFI FR products including sensing period from 09:59:51 to 10:01:51 are affected	missing data frame isp RFI
15/02/2019	Missing frames		x	A few frames missing due to RFI FR products including sensing period from 23:23:54 to 23:26:54 are affected	missing data frame isp RFI
17/02/2019	Missing frames		x	A few frames missing due to RFI FR products including sensing period from 20:33:27 to 20:35:27 are affected	missing data frame isp RFI
<b>MARCH</b>					
05/03/2019	Data gap (expected)	x		Due to instrument calibration, a gap is observed from 09:04:09 to 09:05:17	Instrument calibration data gap
05/03/2019	Missing frames	x		Missing frames due to RFI. FR L1-2 products including sensing period from 17:32:07 to 17:35:07 include one missing frame	missing data frame isp RFI
07/03/2019	Missing frames		x	Missing frames due to RFI Products including sensing period from 09:04:22 09:07:22 are affected	missing data frame isp RFI
09/03/2019	Data gap		x	Data gap from 05:29:21 to 08:07:27 No signal received due to antenna issue	missing frame isp data gap antenna



S3 OLCI Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
10/03/2019	Missing frames	x		Products including sensing period from 08:21:41 to 08:23:41 are affected by a large band of missing frames RFI with another spacecraft	missing data frame isp RFI
15/03/2019	Data gap (expected)		x	Due to instrument calibration, a gap is observed from about 09:05:31 to 09:08:00 depending on the product level	Instrument calibration data gap
<b>APRIL</b>					
05/04/2019	Data gap & Missing frames	x		Data gap from beginning of orbit, duration approx 537 seconds & missing frames. Partial data loss due to backend problems at the beginning of the pass.	missing data frame isp RFI
08/04/2019	Missing frames		x	Missing data detected for all product levels. Possible RFI from SKYMED4 at 16:47:33 and ALOS-2 16:52:54.	missing data frame isp RFI
17/04/2019	Missing frames	x		Missing frames due to RFI with SUPERVIEW-1. FR products including sensing period from 20:33:14 to 20:36:14 are affected.	missing data frame isp RFI
19/04/2019	Missing frames		x	Missing frames due to RFI from Asnaro-2 Products including sensing period from 07:05:28 to 07:08:28 are affected	missing data frame isp RFI
29/04/2019	Data gap	x		Data gap from 14:05:51 to 16:43:30 No data received during downlink	no data downlink svl
30/04/2019	Missing frames	x		Missing frames due to predicted RFI from Alos 2. Products including sensing period from 16:57:52 to 17:00:52 are affected	missing data frame isp RFI
<b>MAY</b>					
02/05/2019	Missing frames		x	Missing frames due to predicted RFI from Meteor M2 at 03:01:25utc.	missing data frame isp RFI
02/05/2019	Missing frames	x		Missing frames due to RFI, reported in CAMS, most likely RFI from Terra	missing data frame isp RFI
07/05/2019	Missing frames	x		Missing frames due to RFI, reported in CAMS Products including sensing period from 11:52:37 to 11:57:37 are affected	missing data frame isp RFI
24/05/2019	Missing frames		x	Sequence errors Products including sensing period from 00:13:58 to 00:19:58 are affected by missing frames	missing data frame sequencing error
28/05/2019	Missing frames	x		Missing frames due to RFI (Landsat 7), reported in CAMS. Products that include the sensing period 09:20:45 to 09:23:45 are affected by missing frames.	missing data frame isp RFI
29/05/2019- 31/05/2019	Data gap & Missing frames		x	Instrument error causing processing error due to data content (ground segment anomaly) Data gap covering sensing time L1/2: 20190529 13:46:40 to 20190531 12:21:52 (NRT) Data gap covering sensing time L1/2: 20190529 15:20:50 to 20190531 12:21:52 (NTC) Missing frames seen on NRT (NTC not yet recieved, to be checked)	instrument error data gap missing frames
<b>JUNE</b>					
01/06/2019	Missing frames		x	Missing frames due to RFI, reported in CAMS. Affecting sensing times 09:01:24 09:04:24.	missing data frame isp RFI



S3 OLCI Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
09/06/2019	Missing frames	x		Sequencing errors, impacting all VCIDs due to RFI from SkyMed 2 Products including sensing periods from 17:31:27 to 17:34:27	missing data frame isp RFI
10/06/2019	Missing frames	x		Sequencing errors and uncorrectable frames RFI from GCOM-C1 Products including sensing periods from 12:05:18 to 12:08:18	missing data frame isp RFI
13/06/2019	Missing frames		x	Sequencing errors and uncorrectable frames due to station controller (SCC) connection lost. Products including sensing periods from 03:17:11 to 03:20:11.	missing frames isp
13/06/2019	Missing frames	x		Missing frames due to RFI with known spacecraft (TDX-1). Products including sensing periods from 10:43:45 to 10:46:45.	missing data frame isp RFI
14/06/2019	Missing frames	x		Missing frames due to RFI with the sun. Products including these sensing periods impacted from 09:03:35 to 09:06:35.	missing data frame isp RFI
21/06/2019	Data gap (expected)	x		Due to instrument calibration, a gap is observed from 09:04:09 to 09:05:17	Instrument calibration data gap (S09)
21/06/2019	Missing frames		x	Missing frames have been observed in OLCI S3B products due to known RFIs with FORMOSAT 3E and SUPERVIEW-1. Products including these sensing periods impacted from 11:46:38 to 11:49:38.	missing data frame isp RFI
28/06/2019	Missing frames		x	Missing data detected for all product levels on 28/06/2019 due to RFI with sun. Products including these sensing periods impacted from 09:01:23 to 09:04:23 and 12:02:21 to 12:05:21.	missing data frame isp RFI
<b>JULY</b>					
01/07/2019	Data gap (expected)		x	Due to instrument calibration, a gap is observed from 09:05:47 to 09:06:56 in OLCI products.	Instrument calibration data gap (S09)
05/07/2019	Missing frames		x	Missing frames due to an RFI. Products with sensing times covering 20:40:00 to 20:43:00 are degraded.	missing data frame isp RFI
08/07/2019	Missing frames	x		Missing frames due to an RFI. Products with sensing times covering 20:07:03 to 20:10:03 are degraded	missing data frame isp RFI
08/07/2019	Data Gap	x		A data gap from 13:48:23 to 19:47:59 has been detected for OLCI products. Missing frames have been detected for orbit 17651 products covering sensing period 14:45:01 to 14:46:59 are affected. Product with discarded NAVATT. Reported antenna issue at SVL.	data gap missing data frames
16/07/2019	Missing frames	x		Missing frames detected, cause unknown to date (22.07.2019) Products affected covering sensing time 08:18:40 to 08:21:40.	missing data frame unknown source
16/07/2019	Missing frames	x		Missing frames detected, cause unknown to date (22.07.2019) Products affected covering sensing time 09:59:39 to 10:02:39	missing data frame unknown source
17/07/2019	Data Gap		x	Data gap from 19:19:25 to 21:57:04. Antenna did not track the pass due to switch between backup to prime SCC.	data gap
29/07/2019	Missing frames		x	Sequencing errors caused from unpredicted RFI from CFOSAT. Products affected cover sensing times: 10:05:40 to 10:08:40.	missing data frame isp RFI
30/07/2019	Missing frames		x	Missing frames caused by SCC hardware disconnection at pass setup. Products affected coversensing times: 23:16:23 to 23:45:45.	missing data frame SCC hardware disconnect
<b>AUGUST</b>					





S3 OLCI Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
07/08/2019	Missing frames	x		Missing frames due to an RFI with FORMOSAT-5. Products with sensing times covering 10:14:32 to 10:50:30 are degraded.	missing data frame isp RFI
23/08/2019	Missing frames		x	Missing frames due to an RFI with GCOM-C1. Products with sensing times covering 05:52:03 to 05:55:03 are degraded.	missing data frame isp RFI
<b>SEPTEMBER</b>					
01/09/2019	Missing frames		x	Missing frames due to an RFI with RE1. Products with sensing times covering 09:01:21 to 09:04:21 are degraded.	missing data frame isp RFI
04/09/2019	Missing frames Data Gap	x		Missing frames due to drop in signal strength caused by snow on radome. Products with sensing times covering 10:12:19 to 10:18:19 are degraded. A data gap is also present from 10:14:56 to 10:17:37.	missing data frame data gap
05/09/2019	Discarded Navatt Data Gap	x		Discarded NAVATT for products covering sensing times 07:36:01 to 08:20:09. Missing data for RO/034 & AO/18487 (in products) from 04:58:09 to 07:36:01 due to an antenna not running	discarded navatt data gap antenna
17/09/2019	Missing frames	x		Missing frames due to an RFI with SuperView-1. Products with sensing times covering 21:09:51 to 21:12:51 are degraded.	missing data frame isp RFI
26/09/2019	Data gap Missing frames		x	PDHU Memory Scrubbing activity impact Data gaps have been observed on 26/09/2019 for NTC products covering periods: 08:13:20 - 11:19:22 3h 11:51:39 - 11:51:57 18" 13:28:28 - 13:32:55 4' Invalid products detected : 26/09/2019 from 20:23:38 to 20:26:19 27/09/2019 from 01:17:35 to 01:20:35	PDHU Memory Scrubbing activity
30/09/2019	Missing frames		x	Missing frames due to an RFI with SuperView-1. Products with sensing times covering 10:20:33 to 10:23:33 are degraded.	missing data frame isp RFI
<b>OCTOBER</b>					
07/10/2019	Missing frames		x	Cause as yet not identified - suspected to be antenna issue. Products with sensing times covering 10:08:39 to 10:11:39 are degraded.	missing data frame isp antenna
07/10/2019	Data gap (expected)	x		Due to instrument calibration a gap is detected from 09:04:14 to 09:05:23.	Instrument calibration data gap (S09)
12/10/2019	Missing frames	x		Sequence errors have caused missing frames, predicted RFI with GOSAT IBUKI. Products covering sensing times 03:18:43 to 03:22:23 are degraded.	missing data frame isp RFI
17/10/2019	Data gap (expected)		x	Due to instrument calibration a gap is detected from 09:05:41 to 09:07:41	Instrument calibration data gap (S09)
18/10/2019	Missing frames	x		Missing frames have been caused by an RFI with TERRA . Product sensing times affected are from 02:23:19 to 02:26:17.	missing data frame isp RFI
20/10/2019	Missing frames	x		Missing frames - cause was predicted RFI with Flock 4A. Product sensing times affected are from 17:00:48 to 17:03:48.	missing data frame isp RFI
30/10/2019	Data gap	x		Data gap caused by issue at ground segment level. Gap is present from 04:38:41 to 07:16:23.	data gap
31/10/2019	Missing frames		x	Missing frames have been caused by an RFI with SUPERVIEW-1. Product sensing times affected are from 09:34:13 to 09:37:13.	missing data frame isp RFI
<b>NOVEMBER</b>					



S3 OLCI Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
04/11/2019	Missing frames	x		Missing frames have been caused by an RFI with SUPERVIEW-1. Product sensing times affected are from 12:30:03 to 12:33:03.	missing data frame isp RFI
12/11/2019	Missing frames	x		Missing frames have been caused by an RFI with Landsat-7. Product sensing times affected are from 08:23:45 to 08:27:35.	missing data frame isp RFI
15/11/2019	Missing frames		x	Missing frames have been caused by an RFI with SKYMED 1. Product sensing times affected are from 14:48:26 to 14:51:26.	missing data frame isp RFI
18/11/2019	Missing frames		x	Missing frames have been caused by an RFI with TERRA. Product sensing times affected are from 01:45:59 to 01:48:59.	missing data frame isp RFI
20/11/2019	Missing frames		x	Missing frames detected, RFI with 0 CFOSAT. Products with sensing times affected are from 11:02:33 to 11:05:33.	missing data frame isp RFI
27/11/2019	Missing frames		x	Missing frames detected due to RFI collision with Terra Products with sensing times affected are from 23:17:10 to 23:23:10.	missing data frame isp RFI
<b>DECEMBER</b>					
02/12/2019	Missing frames	x		Missing frames due to a reoccurrence of the PDHU Dump Error Anomaly. Products with sensing times affected are from 04:58:51 to 05:01:51.	PDHU Dump error anomaly
02/12/2019	Missing frames	x		Missing frames detected due to RFI with Skysat-A. Products with sensing times affected are from 23:20:42 to 23:26:42.	missing data frame isp RFI
03/12/2019	Missing frames		x	Missing frames detected for OLCI, cause reported as probable snow on radome Products with sensing times affected are from 10:49:09 to 10:52:09.	missing data frame
24/12/2019	Missing frames		x	Missing frames due to RFI with SUPERVIEW-1 Products with sensing times affected from: 21:33:10 to 22:06:50	missing data frame isp RFI



YEAR 2018

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>JANUARY</b>					
01/01/2018	Data gap	x		Non generation of orbit 9760 due to an antenna issue at Svalbard No product(=data gap) from 02:52:58 to 05:30:57	Svalbard antenna missing orbit
<b>FEBRUARY</b>					
07/02/2018	Missing frames	x		Loss of transfer frames during downlink reported at SVL Products including sensing period from 14:35:26 to 14:38:26 are affected by missing frames.	missing data frames gap downlink
09/02/2018	Data gap	x		Two data gaps observed between 13:47:10 and 13:54:22 due to a ground segment anomaly	missing data gap ground segment
14/02/2018	Data gap (expected)	x		Due to instrument calibration, a gap is observed at the beginning of semi orbit, from about 09:49:35 to 09:50:47 Absolute orbit 10390	Instrument calibration data gap
15/02/2018	Missing frames	x		Loss of frames during downlink reported at SVL FR products including sensing period from 01:03:04 to 01:06:04 are affected by missing frames	missing data frames gap downlink
24/02/2018	Data gap & missing frames	x		Transfer frames loss during downlink reported at SVL Products including sensing period from 22:34:14 to 22:37:14 are affected by missing frames	missing data frames gap downlink
25/02/2018	Data gap & missing frames	x		Transfer frames loss during downlink reported at SVL Products including sensing period from 00:22:13 to 00:36:13 are affected by missing frames. The following products of the semi orbit are either inexistent or very degraded	missing data frames gap downlink
<b>MARCH</b>					
14/03/2018	Missing frames	x		Loss of transfer frames was reported on CAMS Products including sensing period from 01:03:04 to 01:04:51 are affected by missing data	missing data frames gap downlink
15/03/2018	Missing frames	x		Missing frames due to satellite RFI Products including sensing period from 16:11:20 to 16:12:46 are affected	missing data frame isp RFI
17/03/2018	Data gap	x		No signal from spacecraft due to an antenna issue No data from 17/03/2018 13:00:06 to 17/03/2018T 14:39:45 = orbit 10834 missing	missing orbit data gap antenna
19/03/2018	Data gap (expected)	x		Data gap from 09:04:05 to 09:05:14 due to a planned instrument calibration	Instrument calibration data gap
<b>APRIL</b>					
22/04/2018	Data gap	x		Due to instrument calibration, a gap is observed from 09:04:09 to 09:05:17	missing data frame isp RFI
24/04/2018	Missing frames	x		Some missing frames for FR products due to antenna issue combined with RFI FR products including sensing period from 06:37:26 to 06:46:26 are affected by missing frames	missing data frame isp RFI



Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>MAY</b>					
08/05/2018	Missing frames	x		Missing frames for one granule due to a downlink issue Products including sensing period from 13:55:47 to 13:58:47 are affected by missing frames	missing data frames gap downlink
10/05/2018	Data gap		x	NRT products (NTC currently not available for verification) Granule from 08:53:24 to 08:55:41 shorter than expected and presenting missing frames The following products of the orbit are missing Loss of signal during downlink was reported	missing data frames gap downlink
18/05/2018	Missing frames	x		Missing frames including a large band of missing data for products including the following sensing period: 19:33:56 to 19:35:54 RFI reported on ARTS	missing data frames gap RFI
22/05/2018	Missing frames	x		FR products including sensing period from 02:40:57 to 02:55:16 are affected by missing frames Sequencing errors reported on ARTS	missing data frames gap sequencing
27/05/2018	Missing frames	x		FR products including sensing period from 08:57:18 to 09:00:18 are affected by missing frames	missing data frames gap RFI
28/05/2018	Missing frames	x		3 L1 FR granules are affected by missing frames located around L0 inputs transitions	L0 inputs transition missing frame data isp
<b>JUNE</b>					
02/06/2018	Missing frames	x		Most of OLCI products including the following sensing period are affected by missing frames: 08:07:12 to 08:40:12	missing data frame isp
05/06/2018	Missing frames		x	NRT products (NTC currently not available for verification) Two consecutive missing frames on camera 5 for FR products including sensing period from 17:27:09 to 17:28:33	missing data frame isp
08/06/2018	Data gap		x	No data acquired for orbits 618 and 619	data gap missing orbits
08/06/2018	Missing frames	x		Few missing frames affecting L1/2 FR products Products including the following sensing periods are affected: 01:59:08 to 02:08:08 ; 03:04:07 to 03:49:07 ; 05:24:06 to 05:27:06	missing data frame isp
08/06/2018	Data gap (expected)	x		OLCI data gap from 09:04:12 to 09:05:20 due to a planned instrument calibration (S09)	Instrument calibration data gap
09/06/2018	Missing frames	x		Few missing frames affecting L1/2 FR products Products including the following sensing periods are affected: 23:40:47 to 23:46:47 ; 23:49:47 to 23:52:47 ; 23:58:47 to 00:01:47	missing data frame isp
10/06/2018	Missing frames	x		Few missing frames affecting L1/2 FR products Products including the following sensing periods are affected: 00:00:00 to 00:09:14 ; 02:47:45 to 02:50:45 ; 23:23:36 to 23:32:36	missing data frame isp
11/06/2018	Missing frames	x		Few missing frames affecting L1/2 FR products Products including the following sensing periods are affected: 00:52:35 to 00:58:35 ; 01:07:35 to 01:10:35 ; 01:19:35 to 01:22:35	missing data frame isp



S3 OLCI Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
12/06/2018	Missing frames	x		Missing frames due to RFI Products including sensing period from 10:38:19 to 10:41:19 are affected by the issue	missing data frame isp RFI
19/06/2018	Missing frames	x		FR products including sensing period from 05:45:04 to 05:54:04 may be affected by missing frames	missing data frame isp
20/06/2018	Missing frames	x		Missing frames due to an RFI Products including sensing period from 23:49:44 to 23:52:44 are affected	missing data frame isp RFI
21/06/2018	Data gap / S3A OLCI camera 2 anomaly	x		OLCI VAM anomaly (re-occurrence of the AR 3798 – 16/10/2017, this time on camera 2) Data missing or degraded from 15:22:37	camera 2 VAM anomaly processing
22/06/2018	Data gap / S3A OLCI camera 2 anomaly	x		OLCI VAM anomaly (re-occurrence of the AR 3798 – 16/10/2017), this time on camera 2) Data missing or degraded until 09:31:15	camera 2 VAM anomaly processing
<b>JULY</b>					
02/07/2018	Missing frames	x		Two events leading to products including missing frames. Products including the following sensing periods are affected: 08:58:38 to 09:02:38 ; 13:35:36 to 13:44:36	missing data frame isp RFI
04/07/2018	Missing frames		x	Missing frames due to RFI with the sun. Products including these sensing periods impacted from 09:03:35 to 09:06:35.	Missing data frames L0 inputs transition
04/07/2018	Data gap	x		Antenna issue - no data available from about 22:30	Data gap antenna
05/07/2018	Missing frames	x		Antenna issue - no data available until about 00:15	Data gap antenna
13/07/2018	Data gap / S3A OLCI L2 camera anomaly	x		Re-occurrence of a known anomaly (DPM VAS error – VAM frame checksum error), this time on camera 5 No product available from 17:44:07	camera 5 VAM anomaly processing
14/07/2018	S3A OLCI VAM anomaly + recovery	x		Re-occurrence of a known anomaly (DPM VAS error – VAM frame checksum error), this time on camera 5 No product available until 09:59 (outage from 09:56 to 09:59:13 due to recovery operation) Note that due to the thermal impact of the recovery operations, there may be some degradation on L1/L2 products beyond this time until the FPA temperatures have stabilised. This is expected within 1 orbit	camera 5, VAM anomaly, processing
18/07/2018	Missing frames	x		Few missing frames due to processing issue FR products including sensing period from 13:50:38 to 13:52:25 are affected	Missing data frames L0 inputs transition
20/07/2018	Missing frames		x	Loss of frames during downlink affecting products sensed from 02:10:04 to 02:12:04	missing data frame isp svalbard
<b>AUGUST</b>					
03/08/2018	Missing frames	x		RFI reported causing missing frames Affected time range: 16:28:07 to 16:30:07	missing data frame isp RFI
18/08/2018	Missing frames		x	RFI reported Large band of missing data affecting products including sensing period from 06:27:59 to 06:29:59	missing data frame isp RFI
20/08/2018	Missing frames		x	Sequencing errors and uncorrectable frames Missing data affecting products sensed between 10:52:53 and 10:54:53	missing data frame isp



S3 OLCI Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
22/08/2018	Data gap	x		Antenna ground segment anomaly Data from 11:23 to 13:04 are unavailable	data gap svalbard
<b>SEPTEMBER</b>					
06/09/2018	Missing frame	x		Few missing frames due to processing issue affecting FR products including sensing period from 05:32:30 to 05:35:30	L0 inputs transition missing frame data isp
16/09/2018	Missing frames		x	Loss of frames during the downlink affecting products sensed from 10:54:17 to 10:56:17	missing data frame downlink
23/09/2018	Missing frames		x	Loss of frames during the downlink affecting products sensed from 16:14:52 to 16:18:52	missing data frame downlink
24/09/2018	Missing frames	x		Loss of frames during the downlink affecting products sensed from 00:34:22 to 00:38:22	missing data frame downlink
24/09/2018	Data gap (expected)	x		OLCI data gap from 09:03:21 to 09:05:21 due to a planned instrument calibration	Instrument calibration data gap
<b>OCTOBER</b>					
13/10/2018	Missing frames		x	Loss of frames during the downlink affecting products sensed from 10:57:39 to 10:59:39	missing data frame downlink
26/10/2018	Missing frames	x		Loss of frames during the downlink orbit 14021 Products including the following sensing period range are affected: 23:46:13 to 23:50:13	missing data frame downlink
<b>NOVEMBER</b>					
02/11/2018	Missing frames		x	Loss of frames during the downlink orbit 2718 Two granules between 08:27:44 and 08:32:02 are affected	missing data frame downlink
03/11/2018	Missing frames	x		Loss of frames during the downlink orbit 14131 Products including the following sensing period are affected: 17:01:34 to 17:03:34	missing data frame downlink
09/11/2018	Missing frames		x	Loss of frames during the downlink orbit 2827 Products including sensing time from 23:58:29 are affected	missing data frame downlink
10/11/2018	Missing frames		x	Loss of frames during the downlink orbit 2827 Products including sensing time until 00:01:29 are affected	missing data frame downlink
13/11/2018	Camera blooming		x	A band on several pixels width having high values is observed due to camera blooming Products including sensing time from 00:25:55 to 00:28:55 are affected by the issue	Camera blooming
14/11/2018	Missing frames	x		Loss of frames during the downlink orbit 14279 Products including sensing period from 02:18:49 to 02:24:49 are affected	missing data frame downlink
17/11/2018	Missing frames	x		Loss of frames due to a RFI Products including sensing time from 20:54:07 20:57:07 are affected	missing data frame isp RFI
17/11/2018	Missing frames		x	Loss of frames during downlink reported at SVL FR products sensed from 17:05:49 to 17:08:49 are affected	missing data frame downlink
20/11/2018	Data gaps & Missing frames		x	Due to satellite manoeuvre, many loss of frames and data gaps were observed from about 11:04 to 19:29	missing data frame isp manoeuvre



Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
23/11/2018	Data gaps & Missing frames		x	Due to satellite manoeuvre, many loss of frames and data gaps were observed from about 00:46 to 09:02	missing data frame isp manoeuvre
<b>DECEMBRE</b>					
01/12/2018	Data gap		x	S3B OLCI data gap from 04:25:01 to 04:27:01 following an acquisition issue	missing frame isp data gap svalbard
06/12/2018	Missing frames	x		Few missing frames due to processing issue affecting products including sensing period from 03:32:09 to 03:35:09	Missing data frames L0 inputs transition
06/12/2018	Missing frames	x		FR L1 and L2 products including one of the following sensing periods contain missing frames at L0 input granules transition: 04:17:41 to 04:20:41 ; 06:01:40 to 06:04:40 ; 07:36:39 to 07:39:39 ; 12:54:37 to 12:57:37 ; 14:26:36 to 14:29:36 ; 14:32:36 to 14:35:36	L0 inputs transition missing frame data isp
13/12/2018	Missing frames		x	A large band of missing data is observed on 13/12/2018 from approximatively 03:56:56 to 03:57:09	missing data frame downlink
28/12/2018	Data gap	x		No data acquired during downlink 14913 due to an antenna issue. Data gap from 11:59:09 to 14:37:06	missing data gap downlink antenna



YEAR 2017

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
<b>JANUARY</b>					
<b>FEBRUARY</b>					
01/02/2017	Missing frames	x		Missing frames on products due to RFI Products including sensing period from 14:55:43 to 14:57:43 are affected	missing frames gap RFI
<b>MARCH</b>					
<b>APRIL</b>					
10/04/2017	Missing frames	x		Missing frames on products due to RFI Products (FR and RR) including sensing period from 16:01:32 to 16:04:32 are affected	missing frames gap RFI
<b>MAY</b>					
07/05/2017	Missing frames	x		Loss of frames reported at SVL Products including sensing period from 10:25:35 to 10:28:35 are affected	Missing frames gap svalbard
26/05/2017	Data gap (expected)	x		OLCI data gap from 08:59:26 to 09:05:23 due to a planned instrument calibration	instrument calibration data gap
<b>JUNE</b>					
27/06/2017	Camera blooming	x		A band on several pixels width having high values is observed due to camera 5 blooming. Products including sensing period from 20170627T083109 to 20170627T083409 are affected	Camera 5 blooming
<b>JULY</b>					
06/07/2017	Missing frames	x		Dowlink issue at SVL leading to loss of frames Products including sensing period from 14:50:44 to 14:53:26 are affected by missing frames	Missing frames data gap downlink svalbard
30/07/2017	Camera blooming	x		Due to instrument calibration, a gap is observed from 09:04:09 to 09:05:17	Camera blooming
<b>AUGUST</b>					
15/08/2017	Data gap (expected)	x		OLCI data gap from 08:59:21 to 09:05:18 due to a planned instrument calibration	instrument calibration data gap
24/08/2017	Missing frames	x		Loss of transfer frame at Svalbard due to RFI Products including sensing period from 17:16:21 to 17:19:21 are affected by the missing frames	Missing frames gap RFI svalbard
<b>SEPTEMBER</b>					
01/09/2017	Data gap	x		Orbit 8026 missing due to an antenna issue No products available from about 13:53 to 16:32	Data gap missing orbit





S3 OLCI Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	Key words
		S3A	S3B		
11/09/2017	Missing frames	x		Loss of frames due to RFI Products including sensing period from 19:25:35 to 19:28:00 are affected	Missing frames gap RFI svalbard
13/09/2017	Missing frames	x		Two consecutive frames missing for some cameras. Approximative time: 08:02:04	Missing frames gap
25/09/2017	Missing frames	x		Loss of frames at Svalbard Products including sensing period from 14:29:49 to 14:32:26 are affected	Missing frames data gap svalbard
<b>OCTOBER</b>					
19/04/2017	Missing frames		x	Missing frames due to RFI from Asnaro-2 S/C from/to 08:42:22/08:42:24 UTC	
25/10/2017	Missing frames	x		Loss of frames on one granule due to RFI FR products including sensing period from 10:03:55 to 10:06:55 are affected	Missing frames gap RFI
<b>NOVEMBER</b>					
04/11/2017	Data gap (expected)	x		Data gap from 08:59:23 to 09:05:20 due to spectral calibration activities	instrument calibration data gap
14/11/2017	Data gap & Missing frames	x		Antenna issue and sequencing errors reported at SVL -data gap from 11:32:12 to 11:38:12 -products affected by missing frames from 11:38:12 to 11:41:12	Missing frames gap antenna svalbard
<b>DECEMBER</b>					
19/12/2017	Data gap	x		Instrument anomaly From 01:44:55 to 11:00:34 : 50% data lost for camera 5 From 11:00:34 to 12:52:26 : no data for one orbit	PDHU-1_IN_CRC_ERR_8360 anomaly