

Spacecraft	Instrument	Unavailability Start	Unavailability Stop	Status	Notes
C	ASM	11/26/2013 2:12 p.m.	11/26/2013 2:14 p.m.	unavailable	
C	ASM	11/26/2013 2:24 p.m.	11/26/2013 2:28 p.m.	unavailable	
C	ASM	11/26/2013 2:42 p.m.	11/26/2013 10:01 p.m.	unavailable	
A	ASM	11/26/2013 10:32 p.m.	11/26/2013 10:35 p.m.	unavailable	
A	ASM	11/27/2013 3:03 a.m.	11/27/2013 10:21 a.m.	unavailable	
B	ASM	11/27/2013 3:01 p.m.	11/27/2013 3:04 p.m.	unavailable	
C	ASM	11/27/2013 6:30 a.m.	11/27/2013 6:33 a.m.	unavailable	
C	ASM	11/27/2013 10:02 a.m.	11/27/2013 10:05 a.m.	unavailable	
B	ASM	11/27/2013 7:30 p.m.	11/27/2013 7:33 p.m.	unavailable	
C	ASM	11/28/2013 4:21 a.m.	11/28/2013 4:26 a.m.	unavailable	
A	ACC	11/28/2013 5:23 a.m.	11/28/2013 1:14 p.m.	unavailable	
C	ASM	11/28/2013 6:06 a.m.	11/28/2013 6:32 a.m.	unavailable	
C	ACC	11/28/2013 8:30 a.m.	11/28/2013 1:06 p.m.	unavailable	
C	ASM	11/28/2013 1:11 p.m.	11/28/2013 4:30 p.m.	unavailable	
C	ASM	11/28/2013 5:11 p.m.	11/29/2013 1:01 p.m.	unavailable	
B	ACC	11/29/2013 10:20 a.m.	11/29/2013 11:15 a.m.	unavailable	
B	ASM	11/29/2013 10:20 a.m.	11/29/2013 11:15 a.m.	unavailable	
A	ASM	11/29/2013 12:45 p.m.	11/29/2013 12:47 p.m.	unavailable	
C	ASM	11/29/2013 1:20 p.m.	11/29/2013 4:01 p.m.	unavailable	
C	ASM	11/29/2013 5:28 p.m.	12/02/2013 4:44 p.m.	unavailable	
A	ASM	11/29/2013 8:30 p.m.	11/29/2013 8:38 p.m.	unavailable	
B	ASM	11/29/2013 9:00 p.m.	11/29/2013 9:03 p.m.	unavailable	
B	ASM	11/29/2013 2:17 p.m.	11/29/2013 2:19 p.m.	unavailable	
A	EFI	12/03/2013 5:10 a.m.	12/03/2013 5:10 a.m.	unavailable	
A	EFI	12/04/2013 6:19 a.m.	12/04/2013 6:19 a.m.	unavailable	
A	EFI	12/02/2013 10:13 a.m.	12/02/2013 1:18 p.m.	unavailable	
B	EFI	12/02/2013 11:49 a.m.	12/02/2013 2:55 p.m.	unavailable	
C	EFI	12/02/2013 1:24 p.m.	12/02/2013 4:29 p.m.	unavailable	
A	EFI	12/02/2013 2:01 p.m.	12/03/2013 5:10 a.m.	unavailable	
B	EFI	12/02/2013 3:36 p.m.	12/03/2013 6:42 a.m.	unavailable	
C	EFI	12/02/2013 5:12 p.m.	12/03/2013 8:16 a.m.	unavailable	
C	ASM	12/02/2013 6:02 p.m.	12/02/2013 6:19 p.m.	unavailable	
C	ASM	12/02/2013 7:49 p.m.	12/03/2013 9:16 a.m.	unavailable	
C	ASM	12/03/2013 10:46 a.m.	12/04/2013 2:15 p.m.	unavailable	
A	EFI	12/04/2013 9:43 a.m.	12/04/2013 11:17 a.m.	unavailable	
C	EFI	12/04/2013 12:57 p.m.	12/04/2013 5:26 p.m.	unavailable	
A	EFI	12/04/2013 12:57 p.m.	12/04/2013 6:59 p.m.	unavailable	
B	EFI	12/04/2013 12:57 p.m.	12/04/2013 8:35 p.m.	unavailable	
A	EFI	12/05/2013 7:35 a.m.	12/05/2013 3:26 p.m.	unavailable	

B	STR	12/05/2013 9:05 a.m.	12/05/2013 10 a.m.	unavailable	
B	GPS	12/05/2013 10:56 a.m.	12/05/2013 5:32 p.m.	unavailable	
C	EFI	12/06/2013 12:10 p.m.	12/06/2013 11:59 p.m.	unavailable	
C	EFI	12/07/2013 midnight	12/07/2013 11:59 p.m.	unavailable	
C	EFI	12/08/2013 midnight	12/08/2013 11:59 p.m.	unavailable	
C	EFI	12/09/2013 midnight	12/09/2013 9:19 a.m.	unavailable	
C	EFI	12/09/2013 12:23 p.m.	12/09/2013 12:27 p.m.	unavailable	
A	EFI	12/09/2013 1:58 p.m.	12/09/2013 6:47 p.m.	unavailable	
A	ASM	12/09/2013 6:49 p.m.	12/09/2013 11:59 p.m.	unavailable	
B	ASM	12/10/2013 11:58 a.m.	12/10/2013 8:15 p.m.	unavailable	
B	ASM	12/10/2013 8:34 p.m.	12/10/2013 8:45 p.m.	unavailable	
B	ASM	12/10/2013 9:04 p.m.	12/10/2013 9:16 p.m.	unavailable	
B	ASM	12/10/2013 9:34 p.m.	12/10/2013 11:59 p.m.	unavailable	
B	ASM	12/11/2013 midnight	12/11/2013 7:02 a.m.	unavailable	
A	GPS	12/13/2013 2:07 a.m.	12/13/2013 2:21 a.m.	unavailable	
B	ASM	12/13/2013 5 a.m.	12/13/2013 7:55 a.m.	unavailable	
A	ASM	12/13/2013 8 a.m.	12/13/2013 11:02 a.m.	unavailable	
A	ACC	12/15/2013 1:23 p.m.	12/15/2013 11:59 p.m.	unavailable	
A	ACC	12/16/2013 midnight	12/16/2013 11:59 p.m.	unavailable	
A	ACC	12/17/2013 midnight	12/17/2013 11:59 p.m.	unavailable	
A	ACC	12/18/2013 midnight	12/18/2013 9:18 a.m.	unavailable	
A	ACC	12/26/2013 2:12 a.m.	12/26/2013 11:59 p.m.	unavailable	
A	ACC	12/27/2013 midnight	12/27/2013 12:21 p.m.	unavailable	
B	ACC	01/01/2014 9:18 a.m.	01/01/2014 11:59 p.m.	unavailable	
B	ASM	01/01/2014 9:18 a.m.	01/01/2014 11:59 p.m.	unavailable	
B	EFI	01/01/2014 9:18 a.m.	01/01/2014 11:59 p.m.	unavailable	
B	GPS	01/01/2014 9:18 a.m.	01/01/2014 11:59 p.m.	unavailable	
B	STR	01/01/2014 9:19 a.m.	01/01/2014 11:59 p.m.	unavailable	
B	VFM	01/01/2014 9:18 a.m.	01/01/2014 11:59 p.m.	unavailable	
B	ACC	01/02/2014 midnight	01/02/2014 11:47 a.m.	unavailable	
B	ASM	01/02/2014 midnight	01/02/2014 11:59 p.m.	unavailable	
B	EFI	01/02/2014 midnight	01/02/2014 11:08 a.m.	unavailable	
B	GPS	01/02/2014 midnight	01/02/2014 8:54 a.m.	unavailable	
B	STR	01/02/2014 midnight	01/02/2014 8:33 a.m.	unavailable	
B	VFM	01/02/2014 midnight	01/02/2014 11:07 a.m.	unavailable	
B	ASM	01/03/2014 midnight	01/03/2014 9:53 a.m.	unavailable	
C	ASM	01/03/2014 11:24 a.m.	01/03/2014 11:31 a.m.	unavailable	
C	ACC	01/03/2014 12:59 a.m.	01/03/2014 4:18 p.m.	unavailable	
A	ACC	01/04/2014 10:50 a.m.	01/04/2014 11:59 p.m.	unavailable	
A	ASM	01/04/2014 10:50 a.m.	01/04/2014 11:59 p.m.	unavailable	
A	EFI	01/04/2014 10:50 a.m.	01/04/2014 11:59 p.m.	unavailable	

A	GPS	01/04/2014 10:50 a.m.	01/04/2014 2:40 p.m.	unavailable	
A	STR	01/04/2014 10:48 a.m.	01/04/2014 2:16 p.m.	unavailable	
A	VFM	01/04/2014 10:50 a.m.	01/04/2014 11:59 p.m.	unavailable	
A	ACC	01/05/2014 midnight	01/05/2014 11:59 p.m.	unavailable	
A	ASM	01/05/2014 midnight	01/05/2014 11:59 p.m.	unavailable	
A	EFI	01/05/2014 midnight	01/05/2014 11:59 p.m.	unavailable	
A	VFM	01/05/2014 midnight	01/05/2014 11:59 p.m.	unavailable	
B	ACC	01/05/2014 7:41 p.m.	01/05/2014 11:59 p.m.	unavailable	
B	ASM	01/05/2014 7:41 p.m.	01/05/2014 11:59 p.m.	unavailable	
B	EFI	01/05/2014 7:41 p.m.	01/05/2014 11:59 p.m.	unavailable	
B	GPS	01/05/2014 7:41 p.m.	01/05/2014 11:59 p.m.	unavailable	
B	STR	01/05/2014 7:41 p.m.	01/05/2014 11:59 p.m.	unavailable	
B	VFM	01/05/2014 7:41 p.m.	01/05/2014 11:59 p.m.	unavailable	
A	ACC	01/06/2014 midnight	01/06/2014 11:59 p.m.	unavailable	
A	ASM	01/06/2014 midnight	01/06/2014 11:59 p.m.	unavailable	
A	EFI	01/06/2014 midnight	01/06/2014 6:25 p.m.	unavailable	
A	VFM	01/06/2014 midnight	01/06/2014 11:59 p.m.	unavailable	
B	ACC	01/06/2014 midnight	01/06/2014 11:59 p.m.	unavailable	
B	ASM	01/06/2014 midnight	01/06/2014 11:59 p.m.	unavailable	
B	EFI	01/06/2014 midnight	01/06/2014 11:59 p.m.	unavailable	
B	GPS	01/06/2014 midnight	01/06/2014 10:34 a.m.	unavailable	
B	STR	01/06/2014 midnight	01/06/2014 10:16 a.m.	unavailable	
B	VFM	01/06/2014 midnight	01/06/2014 11:59 p.m.	unavailable	
A	ACC	01/07/2014 midnight	01/07/2014 11:36 a.m.	unavailable	
A	ASM	01/07/2014 midnight	01/07/2014 6:50 a.m.	unavailable	
A	VFM	01/07/2014 midnight	01/07/2014 6:52 a.m.	unavailable	
B	ACC	01/07/2014 midnight	01/07/2014 8:28 a.m.	unavailable	
B	ASM	01/07/2014 midnight	01/07/2014 1:12 p.m.	unavailable	
B	EFI	01/07/2014 midnight	01/07/2014 1:12 p.m.	unavailable	
B	VFM	01/07/2014 midnight	01/07/2014 8:23 a.m.	unavailable	
A	ACC	01/10/2014 12:09 a.m.	01/10/2014 8:55 a.m.	unavailable	
B	EFI	01/14/2014 6:37 p.m.	01/14/2014 11:59 p.m.	unavailable	
C	ASM	01/14/2014 2:41 p.m.	01/14/2014 3:31 p.m.	unavailable	
B	EFI	01/15/2014 midnight	01/15/2014 8:39 a.m.	unavailable	
A	EFI	01/15/2014 11:21 a.m.	01/15/2014 4:41 p.m.	unavailable	
B	ALL	01/23/2014 10:30 a.m.	01/23/2014 11:04 a.m.	unavailable	
A	EFI	01/23/2014 6:33 p.m.	01/23/2014 11:59 p.m.	unavailable	
A	EFI	01/24/2014 midnight	01/24/2014 11:59 p.m.	unavailable	
C	ALL	01/24/2014 3:01 p.m.	01/24/2014 3:34 p.m.	unavailable	
A	EFI	01/25/2014 midnight	01/25/2014 11:59 p.m.	unavailable	
C	ACC	01/25/2014 4:27 p.m.	01/25/2014 11:59 p.m.	unavailable	

A	EFI	01/26/2014 midnight	01/26/2014 11:59 p.m.	unavailable	
C	ACC	01/26/2014 midnight	01/26/2014 11:59 p.m.	unavailable	
A	EFI	01/27/2014 midnight	01/27/2014 11:59 p.m.	unavailable	
C	ACC	01/27/2014 midnight	01/27/2014 9:13 a.m.	unavailable	
A	EFI	01/28/2014 midnight	01/28/2014 11:59 p.m.	unavailable	
A	EFI	01/29/2014 midnight	01/29/2014 11:59 p.m.	unavailable	
A	EFI	01/30/2014 midnight	01/30/2014 5:33 p.m.	unavailable	
A	ALL	01/31/2014 7:27 a.m.	01/31/2014 8 a.m.	unavailable	
B	ACC	02/02/2014 11:17 p.m.	02/02/2014 11:59 p.m.	unavailable	
B	ACC	02/03/2014 midnight	02/03/2014 11:59 p.m.	unavailable	
B	ACC	02/04/2014 midnight	02/04/2014 7:49 a.m.	unavailable	
A	ACC	02/09/2014 10:59 p.m.	02/09/2014 11:59 p.m.	unavailable	
A	ACC	02/10/2014 midnight	02/10/2014 11:01 a.m.	unavailable	
A	ACC	02/10/2014 midnight	02/10/2014 11:01 a.m.	unavailable	
A	ALL	02/11/2014 1:39 p.m.	02/11/2014 2:12 p.m.	unavailable	
C	EFI	02/13/2014 2:07 p.m.	02/13/2014 2:11 p.m.	unavailable	
A	EFI	02/13/2014 3:57 p.m.	02/13/2014 4 p.m.	unavailable	
B	ACC	02/14/2014 11:48 p.m.	02/14/2014 11:59 p.m.	unavailable	
B	ACC	02/15/2014 midnight	02/15/2014 11:59 p.m.	unavailable	
B	ACC	02/16/2014 midnight	02/16/2014 11:59 p.m.	unavailable	
B	ACC	02/17/2014 midnight	02/17/2014 11:59 p.m.	unavailable	
A	EFI	02/17/2014 5:05 p.m.	02/17/2014 11:59 p.m.	unavailable	
A	EFI	02/18/2014 midnight	02/18/2014 11:59 p.m.	unavailable	
B	ACC	02/18/2014 midnight	02/18/2014 11:59 p.m.	unavailable	
A	EFI	02/19/2014 midnight	02/19/2014 9:52 a.m.	unavailable	
B	ACC	02/19/2014 midnight	02/19/2014 7:09 a.m.	unavailable	
B	EFI	02/25/2014 midnight	02/25/2014 11:59 p.m.	unavailable	
B	EFI	02/24/2014 5:35 p.m.	02/24/2014 11:59 p.m.	unavailable	
B	EFI	02/26/2014 midnight	02/26/2014 11:59 p.m.	unavailable	
B	EFI	02/27/2014 midnight	02/27/2014 11:59 p.m.	unavailable	
B	EFI	02/28/2014 midnight	02/28/2014 8:49 a.m.	unavailable	
C	ACC	02/28/2014 6:52 a.m.	02/28/2014 3:44 p.m.	unavailable	
C	ASM	02/28/2014 6:52 a.m.	02/28/2014 3:46 p.m.	unavailable	
C	EFI	02/28/2014 6:52 a.m.	02/28/2014 3:05 p.m.	unavailable	
C	GPS	02/28/2014 6:52 a.m.	02/28/2014 12:14 p.m.	unavailable	
C	STR	02/28/2014 6:53 a.m.	02/28/2014 11:50 a.m.	unavailable	
C	VFM	02/28/2014 6:52 a.m.	02/28/2014 1:26 p.m.	unavailable	
B	EFI	02/28/2014 8:52 a.m.	02/28/2014 3:09 p.m.	unavailable	
C	EFI	03/03/2014 3:29 p.m.	03/03/2014 11:59 p.m.	unavailable	
C	EFI	03/04/2014 midnight	03/04/2014 11:59 p.m.	unavailable	
C	EFI	03/05/2014 midnight	03/05/2014 11:59 p.m.	unavailable	

B	EFI	03/05/2014 7:12 a.m.	03/05/2014 7:15 a.m.	unavailable	
C	EFI	03/06/2014 midnight	03/06/2014 6:21 a.m.	unavailable	
A	EFI	03/06/2014 10:26 a.m.	03/06/2014 3:09 p.m.	unavailable	
B	EFI	03/10/2014 3:25 p.m.	03/13/2014 2:30 p.m.	unavailable	
B	ACC	03/12/2014 1:08 p.m.	03/13/2014 9:40 a.m.	unavailable	
C	ACC	03/14/2014 7:49 a.m.	03/14/2014 7:54 a.m.	unavailable	
A	EFI	03/17/2014 2:24 p.m.	03/17/2014 2:30 p.m.	unavailable	
A	ALL	03/23/2014 6:35 a.m.	03/23/2014 7:08 a.m.	unavailable	
C	EFI	03/24/2014 4:20 p.m.	03/27/2014 7:07 a.m.	unavailable	
B	ACC	03/28/2014 6:55 a.m.	03/28/2014 3:28 p.m.	unavailable	
C	ACC	03/30/2014 8:52 p.m.	03/31/2014 11:44 a.m.	unavailable	
B	ASM	04/02/2014 6:04 a.m.	04/02/2014 6:12 a.m.	unavailable	
A	ACC	04/03/2014 1:42 p.m.	04/03/2014 1:52 p.m.	unavailable	
B	ACC	04/12/2014 8:57 p.m.	04/14/2014 6:15 a.m.	unavailable	
B	EFI	04/08/2014 12:36 p.m.	04/08/2014 12:42 p.m.	unavailable	
C	EFI	04/08/2014 2:17 p.m.	04/11/2014 12:55 p.m.	unavailable	
C	ACC	04/09/2014 7 p.m.	04/10/2014 7:04 a.m.	unavailable	
C	EFI	04/14/2014 2:29 p.m.	04/17/2014 8:17 a.m.	unavailable	
B	EFI	04/15/2014 9:14 a.m.	04/16/2014 12:11 p.m.	unavailable	
A	ALL	04/16/2014 10:22 a.m.	04/16/2014 10:54 a.m.	unavailable	
C	ASM	04/24/2014 7:50 a.m.	04/24/2014 7:58 a.m.	unavailable	
B	ACC	04/25/2014 2:34 p.m.	04/25/2014 2:38 p.m.	unavailable	
B	ACC	04/27/2014 6:04 a.m.	04/27/2014 6:07 a.m.	unavailable	
A	EFI	05/06/2014 9:42 a.m.	05/07/2014 6 a.m.	unavailable	
B	EFI	05/07/2014 8:17 a.m.	05/09/2014 7:48 a.m.	unavailable	
C	EFI	05/14/2014 2:10 p.m.	05/14/2014 4:01 p.m.	unavailable	
B	ACC	05/16/2014 3:30 p.m.	05/16/2014 3:34 p.m.	unavailable	
A	ACC	05/20/2014 7:44 p.m.	05/20/2014 7:47 p.m.	unavailable	
A	ALL	06/01/2014 12:01 p.m.	06/01/2014 12:32 p.m.	unavailable	
B	ACC	06/09/2014 12:51 a.m.	06/09/2014 12:55 a.m.	unavailable	
A	ALL	06/10/2014 10:33 a.m.	06/10/2014 11:04 a.m.	unavailable	
B	VFM	06/25/2014 11:14 a.m.	06/25/2014 11:15 a.m.	unavailable	
B	ACC	06/30/2014 11:40 p.m.	06/30/2014 11:44 p.m..	unavailable	
A	ACC	07/02/2014 10:14 p.m.	07/02/2014 10:18 p.m.	unavailable	
A	ALL	08/01/2014 1:26 p.m.	08/01/2014 1:57 p.m.	unavailable	
A	ACC	08/13/2014 5:46 p.m.	08/13/2014 5:49 p.m.	unavailable	
A	ACC	08/13/2014 5:51 p.m.	08/13/2014 5:54 p.m.	unavailable	
B	ACC	08/23/2014 05:47 a.m.	08/23/2014 05:51 a.m.	unavailable	
C	VFM	08/25/2014 05:52 a.m.	08/26/2014 11:28 a.m.	unavailable	
C	ACC	09/04/2014 05:23 p.m.	09/04/2014 05:26 p.m.	unavailable	
C	ACC	09/08/2014 05:16 p.m.	09/04/2014 05:20 p.m.	unavailable	

A	EFI	09/12/2014 08:54 a.m.	09/12/2014 09:00 a.m.	unavailable	
B	EFI	09/12/2014 10:52 a.m.	09/12/2014 10:57 a.m.	unavailable	
C	EFI	09/12/2014 07:22 a.m.	09/12/2014 07:28 a.m.	unavailable	
B	ACC	09/15/2014 12:40 a.m.	09/15/2014 12:44 a.m.	unavailable	
B	EFI	09/22/2014 11:19 a.m.	09/22/2014 11:24 a.m.	unavailable	
A	ACC	09/29/2014 02:26 a.m.	09/29/2014 02:29 a.m.	unavailable	
C	EFI	10/09/2014 10:22 a.m.	10/09/2014 10:25 a.m.	unavailable	
C	ACC	10/12/2014 01:35 a.m.	10/12/2014 01:39 a.m.	unavailable	
A	STR	10/12/2014 01:07 p.m.	10/12/2014 01:07 p.m.	unavailable	Re-occurrence of the "STR Autonomous reboot" anomaly for SW-A with the STRE_A reboot during SAA - 11 seconds data gaps detected
B	ACC	10/19/2014 01:06 a.m.	10/19/2014 01:09 a.m.	unavailable	
B	ACC	10/29/2014 00:26 a.m.	10/29/2014 00:29 a.m.	unavailable	
C	ASM	11/05/2014 07:37 p.m.	12/04/2014 12:00 a.m.	unavailable	
B	ACC	12/02/2014 09:06 a.m.	12/03/2014 03:45 p.m.	unavailable	
B	ASM	12/03/2014 08:03 a.m.	12/03/2014 08:07 a.m.	unavailable	
B	EFI	12/03/2014 08:03 a.m.	12/03/2014 08:07 a.m.	unavailable	
B	STR	12/03/2014 08:03 a.m.	12/03/2014 08:07 a.m.	unavailable	
B	VFM	12/03/2014 08:03 a.m.	12/03/2014 08:07 a.m.	unavailable	
B	HK_	12/03/2014 08:03 a.m.	12/03/2014 08:07 a.m.	unavailable	
A	ACC	12/04/2014 06:47 p.m.	12/04/2014 06:51 p.m.	unavailable	
C	ASM	12/04/2014 12:00 a.m.	01/14/2015 08:00 a.m.	unavailable	
B	ACC	12/17/2014 06:55 a.m.	12/17/2014 06:58 a.m.	unavailable	
B	ACC	12/30/2014 07:43 a.m.	12/30/2014 07:46 a.m.	unavailable	
B	VFM	01/10/2015 06:17 p.m.	01/12/2015 12:33 a.m.	unavailable	
B	ALL	01/11/2015 02:21 p.m.	01/11/2015 02:54 p.m.	unavailable	
A	EFI	01/12/2015 11:01 a.m.	01/12/2015 11:07 a.m.	unavailable	
B	ACC	01/12/2015 06:30 p.m.	01/12/2015 06:33 p.m.	unavailable	
C	EFI	01/12/2015 02:06 p.m.	01/12/2015 02:11 p.m.	unavailable	
B	EFI	01/13/2015 09:00 a.m.	01/13/2015 09:07 a.m.	unavailable	
C	ASM	01/14/2015 08:00 a.m.	03/26/2015 08:00 a.m.	unavailable	
B	ACC	01/18/2015 05:31 a.m.	01/18/2015 05:35 a.m.	unavailable	
C	EFI	01/29/2015 12:32 a.m.	01/29/2015 12:37 a.m.	unavailable	
C	ACC	01/29/2015 01:23 p.m.	01/29/2015 01:27 p.m.	unavailable	
C	ACC	02/05/2015 03:26 p.m.	02/05/2015 03:30 p.m.	unavailable	
A	ACC	02/15/2015 02:07 a.m.	02/15/2015 02:11 a.m.	unavailable	
A	ACC	02/24/2015 12:39 a.m.	02/24/2015 12:42 a.m.	unavailable	
C	ACC	03/09/2015 02:32 a.m.	03/09/2015 02:36 a.m.	unavailable	
B	ACC	03/12/2015 01:38 a.m.	03/12/2015 01:41 a.m.	unavailable	
B	ACC	03/28/2015 03:51 p.m.	03/28/2015 03:54 p.m.	unavailable	

A	ACC	04/04/2015 09:28 a.m.	04/04/2015 09:32 a.m.	unavailable	
B	ACC	28/04/2015 09:21 p.m.	28/04/2015 09:25 p.m.	unavailable	
C	ASM	01/05/2015 05:27 a.m.	11/08/2015 11:59 p.m.	unavailable	
B	ACC	13/05/2015 05:36 a.m.	13/05/2015 05:40 a.m.	unavailable	
C	ACC	17/05/2015 05:15 a.m.	17/05/2015 05:19 a.m.	unavailable	
B	ACC	21/05/2015 07:23 p.m.	21/05/2015 07:27 p.m.	unavailable	
C	ACC	23/05/2015 07:17 p.m.	23/05/2015 07:20 p.m.	unavailable	
C	ACC	30/05/2015 11:05 p.m.	30/05/2015 11:08 p.m.	unavailable	
A	EFI	01/06/2015 10:00 a.m.	01/06/2015 10:03 a.m.	unavailable	
A	EFI	02/06/2015 10:58 a.m.	02/06/2015 11:01 a.m.	unavailable	
A	EFI	02/06/2015 02:06 p.m.	02/06/2015 02:09 p.m.	unavailable	
C	EFI	08/06/2015 10:36 a.m.	08/06/2015 10:39 a.m.	unavailable	
C	EFI	09/06/2015 11:35 a.m.	09/06/2015 11:38 a.m.	unavailable	
C	EFI	09/06/2015 02:45 p.m.	09/06/2015 02:48 p.m.	unavailable	
C	ACC	12/06/2015 02:40 a.m.	12/06/2015 02:43 a.m.	unavailable	
B	ACC	16/06/2015 08:51 p.m.	16/06/2015 08:55 p.m.	unavailable	
B	STR	08/07/2015 03:12 a.m.	08/07/2015 03:12 a.m.	unavailable	
B	ACC	18/07/2015 09:52 p.m.	18/07/2015 09:56 p.m.	unavailable	
B	ACC	25/07/2015 12:59 p.m.	25/07/2015 01:03 p.m.	unavailable	
B	ACC	26/07/2015 12:42 p.m.	26/07/2015 12:45 p.m.	unavailable	
A	STR	28/07/2015 10:46 a.m.	28/07/2015 10:46 a.m.	unavailable	
B	ACC	13/08/2015 12:05 p.m.	13/08/2015 12:08 p.m.	unavailable	
B	ACC	25/08/2015 02:43 a.m.	25/08/2015 02:47 a.m.	unavailable	
C	EFI	27/08/2015 04:13 a.m.	27/08/2015 04:13 a.m.	unavailable	
B	ACC	28/08/2015 10:51 a.m.	28/08/2015 10:54 a.m.	unavailable	
A	ACC	28/08/2015 08:09 p.m.	28/08/2015 08:13 p.m.	unavailable	
C	ACC	29/08/2015 08:17 a.m.	29/08/2015 08:20 a.m.	unavailable	
C	ACC	13/10/2015 07:19 a.m.	13/10/2015 07:22 a.m.	unavailable	
C	ACC	26/10/2015 04:06 p.m.	26/10/2015 04:10 p.m.	unavailable	
C	EFI	26/10/2015 10:16 p.m.	26/10/2015 10:16 p.m.	unavailable	
C	ACC	26/10/2015 10:16 p.m.	26/10/2015 10:16 p.m.	unavailable	
C	EFI	26/10/2015 10:16 p.m.	26/10/2015 10:17 p.m.	unavailable	
C	VFM	26/10/2015 10:16 p.m.	26/10/2015 10:17 p.m.	unavailable	
C	STR	26/10/2015 10:16 p.m.	26/10/2015 10:17 p.m.	unavailable	
C	HK_	26/10/2015 10:16 p.m.	26/10/2015 10:17 p.m.	unavailable	
A	ACC	27/10/2015 10:44 a.m.	27/10/2015 10:50 a.m.	unavailable	
B	EFI	02/11/2015 10:42 a.m.	03/11/2015 10:27 a.m.	unavailable	
B	ACC	04/11/2015 03:13 a.m.	04/11/2015 03:17 a.m.	unavailable	
A	ACC	09/11/2015 02:24 p.m.	09/11/2015 02:28 p.m.	unavailable	
A	EFI	12/11/2015 12:38 p.m.	12/11/2015 12:42 p.m.	unavailable	
C	ACC	19/11/2015 01:11 a.m.	19/11/2015 01:15 a.m.	unavailable	

A	STR	02/12/2015 11:15 a.m.	02/12/2015 11:19 a.m.	unavailable	
B	EFI	10/12/2015 10:56 p.m.	10/12/2015 10:57 p.m.	unavailable	
B	ACC	10/12/2015 10:56 p.m.	10/12/2015 10:56 p.m.	unavailable	
B	VFM	10/12/2015 10:56 p.m.	10/12/2015 10:56 p.m.	unavailable	
B	STR	10/12/2015 10:56 p.m.	10/12/2015 10:57 p.m.	unavailable	
B	HK_	10/12/2015 10:56 p.m.	10/12/2015 10:56 p.m.	unavailable	
B	ACC	10/12/2015 10:56 p.m.	10/12/2015 10:57 p.m.	unavailable	
B	VFM	10/12/2015 10:56 p.m.	10/12/2015 10:57 p.m.	unavailable	
B	HK_	10/12/2015 10:56 p.m.	10/12/2015 10:57 p.m.	unavailable	
B	ACC	10/12/2015 10:57 p.m.	10/12/2015 10:57 p.m.	unavailable	
B	VFM	10/12/2015 10:57 p.m.	10/12/2015 10:57 p.m.	unavailable	
B	EFI	10/12/2015 10:57 p.m.	10/12/2015 10:58 p.m.	unavailable	
B	STR	10/12/2015 10:57 p.m.	10/12/2015 10:57 p.m.	unavailable	
B	HK_	10/12/2015 10:57 p.m.	10/12/2015 10:57 p.m.	unavailable	
B	STR	10/12/2015 10:57 p.m.	10/12/2015 10:58 p.m.	unavailable	
B	VFM	10/12/2015 10:57 p.m.	10/12/2015 10:58 p.m.	unavailable	
B	ACC	15/12/2015 01:57 a.m.	15/12/2015 02:01 a.m.	unavailable	
B	ACC	15/12/2015 02:01 a.m.	15/12/2015 02:04 a.m.	unavailable	
B	ACC	15/12/2015 01:57 a.m.	15/12/2015 02:01 a.m.	unavailable	
B	ACC	15/12/2015 02:01 a.m.	15/12/2015 02:04 a.m.	unavailable	
B	ACC	20/12/2015 00:28 a.m.	20/12/2015 00:32 a.m.	unavailable	
B	ACC	21/12/2015 11:44 p.m.	21/12/2015 11:47 p.m.	unavailable	
C	ACC	30/12/2015 08:50 a.m.	30/12/2015 08:53 a.m.	unavailable	
B	ACC	18/01/2016 09:39 p.m.	18/01/2016 09:43 p.m.	unavailable	
C	ACC	02/02/2016 05:20 a.m.	02/02/2016 05:24 a.m.	unavailable	
C	VFM	10/02/2016 01:56 p.m.	10/02/2016 01:58 p.m.	unavailable	
A	ACC	17/02/2016 02:34 p.m.	17/02/2016 02:38 p.m.	unavailable	
C	STR	17/02/2016 09:35 p.m.	17/02/2016 09:35 p.m.	unavailable	From 09:35:21 to 09:35:32 pm
A	ACC	24/02/2016 09:13 p.m.	24/02/2016 09:16 p.m.	unavailable	
C	ACC	26/02/2016 04:15 p.m.	26/02/2016 04:19 p.m.	unavailable	
B	ACC	02/03/2016 00:50 a.m.	02/03/2016 00:53 a.m.	unavailable	
A	EFI	03/03/2016 08:21 a.m.	03/03/2016 04:14 p.m.	unavailable	EFI Normal/Active seven consecutive orbits/day. Eccentricity control and constellation maintenance manoeuvre, with slew (13:37 & 14:23). EFI off between 08:21 and 16:10.
B	ACC	07/03/2016 05:47 p.m.	07/03/2016 05:50 p.m.	unavailable	
C	ACC	08/03/2016 01:46 p.m.	08/03/2016 01:50 p.m.	unavailable	
C	EFI	09/03/2016 09:19 a.m.	09/03/2016 09:22 a.m.	unavailable	
C	EFI	10/03/2016 08:42 a.m.	10/03/2016 08:45 a.m.	unavailable	
C	ACC	25/03/2016 06:37 a.m.	25/03/2016 06:41 a.m.	unavailable	



B	ACC	26/03/2016 05:58 p.m.	26/03/2016 06:02 p.m.	unavailable	
A	EFI	01/04/2016 11:00 a.m.	01/04/2016 02:04 p.m.	unavailable	Collision Avoidance Manoeuvre /EFI switched OFF during the CAM. Timeline: 092.10.55.z - Ramp down anticipated (scheduled 11.11z) 092.11.00z – EFI switch off 092.14.00z – EFI switch on 092.14.07z - EFI D1 settings applied
B	ACC	06/04/2016 04:57 a.m.	06/04/2016 05:00 a.m.	unavailable	
A	EFI	14/04/2016 07:29 a.m.	14/04/2016 07:34 a.m.	unavailable	
A	ACC	19/04/2016 04:35 a.m.	19/04/2016 09:12 a.m.	unavailable	ACC stopped generating telemetry and the platform FDIR switched it off at 04.37.02z. ACC was switched on during the second pass of the day and commanded back to measurement mode.
C	ACC	19/04/2016 11:47 p.m.	19/04/2016 11:50 p.m.	unavailable	
C	ACC	27/04/2016 11:10 p.m.	27/04/2016 11:14 p.m.	unavailable	
B	VFM	29/04/2016 02:42 p.m.	29/04/2016 02:44 p.m.	unavailable	
A	ACC	07/05/2016 10:05 p.m.	07/05/2016 10:08 p.m.	unavailable	
B	ACC	19/05/2016 01:12 a.m.	19/05/2016 01:16 a.m.	unavailable	
C	ACC	28/05/2016 07:58 p.m.	28/05/2016 08:02 p.m.	unavailable	
B	ACC	10/06/2016 10:49 p.m.	10/06/2016 10:52 p.m.	unavailable	
B	ALL	21/06/2016 05:24 a.m.	21/06/2016 05:28 a.m.	unavailable	
B	ACC	22/06/2016 08:38 a.m.	22/06/2016 08:42 a.m.	unavailable	
B	ALL	22/06/2016 03:13 p.m.	23/06/2016 03:43 a.m.	unavailable	For the first time a SEFI was identified in data dump causing data gap of ca. 11.5 hours for Swarm-B.
B	STR	26/06/2016 08:56 a.m.	26/06/2016 08:56 a.m.	unavailable	From 08:56:26 to 08:56:37 am
B	ACC	02/07/2016 10:29 p.m.	02/07/2016 10:33 p.m.	unavailable	
A	ACC	11/07/2016 07:02 a.m.	11/07/2016 07:06 a.m.	unavailable	
A	STR	17/07/2016 03:32 p.m.	17/07/2016 03:32 p.m.	unavailable	From 03:32:34 to 03:32:45 pm
C	ACC	19/07/2016 08:19 a.m.	19/07/2016 08:22 a.m.	unavailable	
A	ACC	20/07/2016 02:44 p.m.	20/07/2016 02:48 p.m.	unavailable	
C	ACC	26/07/2016 02:38 a.m.	26/07/2016 02:41 a.m.	unavailable	
C	STR	28/07/2016 02:57 a.m.	28/07/2016 02:57 a.m.	unavailable	From 02:57:00 to 02:57:10 am
C	EFI	28/07/2016 08:23 p.m.	28/07/2016 08:26 p.m.	unavailable	
C	STR	28/07/2016 08:23 p.m.	28/07/2016 08:26 p.m.	unavailable	
C	HK	28/07/2016 08:23 p.m.	28/07/2016 08:26 p.m.	unavailable	
C	VFM	28/07/2016 08:23 p.m.	28/07/2016 08:26 p.m.	unavailable	
C	ACC	28/07/2016 08:23 p.m.	28/07/2016 08:26 p.m.	unavailable	
C	GPS	28/07/2016 08:23 p.m.	28/07/2016 08:26 p.m.	unavailable	

B	ACC	01/08/2016 06:19 a.m.	01/08/2016 06:22 a.m.	unavailable	
C	STR	01/08/2016 10:55 p.m.	01/08/2016 10:55 p.m.	unavailable	From 10:55:07 to 10:55:17 am
B	ACC	05/08/2016 03:18 a.m.	05/08/2016 03:22 a.m.	unavailable	
B	EFI	23/08/2016 08:59 a.m.	24/08/2016 08:41 a.m.	unavailable	
C	ACC	26/08/2016 12:24 p.m.	26/08/2016 12:28 p.m.	unavailable	
B	ACC	04/09/2016 05:57 p.m.	04/09/2016 06:00 p.m.	unavailable	
C	ACC	07/09/2016 09:04 p.m.	07/09/2016 09:08 p.m.	unavailable	
B	ACC	20/09/2016 02:54 a.m.	20/09/2016 02:57 a.m.	unavailable	
B	ACC	01/10/2016 05:39 a.m.	01/10/2016 05:42 a.m.	unavailable	
C	ACC	11/10/2016 03:47 p.m.	11/10/2016 03:51 p.m.	unavailable	
A	ACC	13/10/2016 08:05 p.m.	13/10/2016 08:09 p.m.	unavailable	
B	ACC	29/10/2016 05:31 a.m.	29/10/2016 05:34 a.m.	unavailable	
B	ACC	08/11/2016 09:12 a.m.	08/11/2016 09:15 a.m.	unavailable	
A	ACC	19/11/2016 04:28 p.m.	19/11/2016 04:31 p.m.	unavailable	
C	ACC	20/11/2016 03:43 a.m.	20/11/2016 03:47 a.m.	unavailable	
B	ACC	07/12/2016 06:31 a.m.	07/12/2016 06:34 a.m.	unavailable	
B	ACC	18/12/2016 06:11 a.m.	18/12/2016 06:15 a.m.	unavailable	
C	ACC	22/12/2016 01:41 p.m.	22/12/2016 01:45 p.m.	unavailable	
B	ACC	01/01/2017 11:35 a.m.	01/01/2017 11:39 a.m.	unavailable	
B	ACC	05/01/2017 03:39 a.m.	05/01/2017 03:43 a.m.	unavailable	
A	EFI	12/01/2017 07:01 a.m.	12/01/2017 04:37 p.m.	unavailable	New EFI TII Gain Correction map uploaded. EFI in maintenance mode from 07:01:15 to 16:37:14
B	EFI	12/01/2017 08:48 a.m.	12/01/2017 11:58 a.m.	unavailable	New EFI TII Gain Correction map uploaded. EFI in maintenance mode from 08:48:33 to 11:58:39
B	ACC	21/01/2017 01:51 a.m.	21/01/2017 01:55 a.m.	unavailable	
C	ACC	27/01/2017 11:02 p.m.	27/01/2017 11:06 p.m.	unavailable	
C	ACC	30/01/2017 11:53 p.m.	30/01/2017 11:57 p.m.	unavailable	
A	ACC	06/02/2017 09:32 a.m.	06/02/2017 09:35 a.m.	unavailable	
B	EFI	01/03/2017 02:23 p.m.	01/03/2017 02:27 p.m.	unavailable	
B	STR	05/03/2017 11:07 p.m.	05/03/2017 11:07 p.m.	unavailable	From 11:07:29 to 11:07:35 p.m.
B	ACC	06/03/2017 10:45 a.m.	06/03/2017 10:49 a.m.	unavailable	
A	STR	18/03/2017 05:58 a.m.	18/03/2017 05:58 a.m.	unavailable	From 05:58:05 to 05:58:16 a.m
A	ACC	02/04/2017 02:14 a.m.	02/04/2017 02:18 a.m.	unavailable	
C	ACC	05/04/2017 07:18 p.m.	05/04/2017 07:22 p.m.	unavailable	
C	ACC	12/04/2017 04:27 a.m.	12/04/2017 04:31 a.m.	unavailable	
C	ACC	15/04/2017 06:18 p.m.	15/04/2017 06:21 p.m.	unavailable	
A	ACC	27/04/2017 00:41 a.m.	27/04/2017 00:44 a.m.	unavailable	
C	ACC	29/04/2017 07:06 a.m.	29/04/2017 07:09 a.m.	unavailable	

A	VFM	29/04/2017 11:22 a.m.	01/05/2017 08:05 a.m.	unavailable	On 29/04/2017 at 11:22:32, VFM stopped producing one of its science packets (PID 41, type 20, subtype 1, VFM_ScienceData50Tm). Instead an unknown packet (PID 41, type 4 and subtype 1) was received in real time every second. Due the anomalous type, the packet was not stored on-board.
C	ACC	08/05/2017 01:25 p.m.	08/05/2017 01:29 p.m.	unavailable	
A	ACC	22/05/2017 09:50 p.m.	22/05/2017 09:53 p.m.	unavailable	
A	ACC	04/06/2017 05:26 p.m.	04/06/2017 05:29 p.m.	unavailable	
B	ACC	14/06/2017 07:13 p.m.	14/06/2017 07:17 p.m.	unavailable	
A	ACC	19/06/2017 12:21 p.m.	19/06/2017 12:24 p.m.	unavailable	
B	ACC	27/06/2017 02:09 p.m.	27/06/2017 02:12 p.m.	unavailable	
B	ACC	28/06/2017 06:08 a.m.	28/06/2017 06:12 a.m.	unavailable	
C	ACC	16/07/2017 11:28 a.m.	16/07/2017 11:31 a.m.	unavailable	
B	ACC	05/08/2017 08:11 a.m.	05/08/2017 08:14 a.m.	unavailable	
B	ACC	07/08/2017 08:45 p.m.	07/08/2017 08:48 p.m.	unavailable	
B	ACC	09/08/2017 10:06 a.m.	09/08/2017 10:09 a.m.	unavailable	
A	ACC	31/08/2017 01:31 p.m.	31/08/2017 01:35 p.m.	unavailable	
B	ACC	03/09/2017 03:39 a.m.	03/09/2017 03:42 a.m.	unavailable	
C	ACC	05/09/2017 02:59 p.m.	05/09/2017 03:03 p.m.	unavailable	
C	ACC	07/09/2017 02:44 a.m.	07/09/2017 02:47 a.m.	unavailable	
C	ACC	07/09/2017 09:56 p.m.	07/09/2017 10:00 p.m.	unavailable	
A	ACC	08/09/2017 01:30 a.m.	08/09/2017 01:33 a.m.	unavailable	
C	ACC	10/09/2017 10:19 p.m.	10/09/2017 10:22 p.m.	unavailable	
B	VFM	11/09/2017 03:54 a.m.	13/09/2017 12:35 p.m.	unavailable	SWARM-B VFM anomaly: science data time stamp was frozen from 11/09/2017 03:54:18 to 13/09/2017 12:35:43 UTC. This anomaly caused a data gap in the L0, L1 and L2 productions for the entire time window.
	ACC	11/09/2017 04:21 a.m.	13/09/2017 12:32 p.m.		
	STR	11/09/2017 04:21 a.m.	13/09/2017 12:32 p.m.		
	ASM	11/09/2017 04:21 a.m.	13/09/2017 12:32 p.m.		
	EFI	11/09/2017 04:21 a.m.	13/09/2017 12:32 p.m.		
	GPS	11/09/2017 04:21 a.m.	13/09/2017 12:32 p.m.		
	HK_	11/09/2017 04:21 a.m.	13/09/2017 12:32 p.m.		
A	ACC	11/09/2017 07:45 a.m.	11/09/2017 07:49 a.m.	unavailable	
A	ACC	27/09/2017 00:16 a.m.	27/09/2017 00:20 a.m.	unavailable	
A	ACC	06/10/2017 02:42 p.m.	06/10/2017 02:46 p.m.	unavailable	
B	ACC	22/10/2017 11:59 a.m.	22/10/2017 12:02 p.m.	unavailable	
B	ACC	30/10/2017 01:28 a.m.	30/10/2017 01:31 a.m.	unavailable	
B	ACC	07/11/2017 00:41 a.m.	07/11/2017 00:44 a.m.	unavailable	
C	ACC	24/11/2017 06:46 p.m.	24/11/2017 06:49 p.m.	unavailable	
C	STR	29/11/2017 05:11 a.m.	29/11/2017 05:11 a.m.	unavailable	From 05:11:41 to 05:11:52 am

C	ACC	08/12/2017 05:33 p.m.	08/12/2017 05:37 p.m.	unavailable	
C	ACC	13/12/2017 06:30 p.m.	13/12/2017 06:34 p.m.	unavailable	
C	ACC	22/12/2017 04:18 a.m.	22/12/2017 04:21 a.m.	unavailable	
B	ACC	01/01/2018 08:55 p.m.	01/01/2018 08:58 p.m.	unavailable	
A	ACC	06/02/2018 08:19 a.m.	06/02/2018 08:23 a.m.	unavailable	
C	ACC	13/02/2018 04:28 a.m.	13/02/2018 03:33 p.m.	unavailable	ACC was switched off autonomously by the onboard FDIR after it stopped producing TM at 04:30:18. It was successfully switched on at 15:27 (about 11 hours of ACC science data have been lost).
B	ACC	17/02/2018 10:12 a.m.	17/02/2018 10:16 a.m.	unavailable	
B	ACC	20/02/2018 11:04 p.m.	20/02/2018 11:08 p.m.	unavailable	
A	ACC	22/02/2018 03:49 p.m.	22/02/2018 03:53 p.m.	unavailable	
B	ACC	23/02/2018 11:57 a.m.	23/02/2018 12:00 p.m.	unavailable	
A	ACC	07/03/2018 09:56 a.m.	07/03/2018 10:00 a.m.	unavailable	
B	ACC	08/03/2018 02:04 p.m.	08/03/2018 02:08 p.m.	unavailable	
C	ACC	30/03/2018 04:15 a.m.	30/03/2018 04:19 a.m.	unavailable	
C	VFM	13/04/2018 07:18 p.m.	16/04/2018 09:21 a.m.	unavailable	On 13/04/2018, a collision warning was received from the Space Debris Office for 16/04/2018. On 13/04/2018 at 19:18:03, VFM was switched off by the on-board FDIR outside visibility ( it has been decided to delay the switch on until an ARB takes places - Monday 16/04/2018).
B	ACC	17/04/2018 06:17 p.m.	17/04/2018 06:20 p.m.	unavailable	
C	ACC	30/04/2018 05:25 a.m.	30/04/2018 05:29 a.m.	unavailable	
C	ACC	14/05/2018 09:45 a.m.	14/05/2018 09:49 a.m.	unavailable	
C	ACC	16/05/2018 05:12 p.m.	16/05/2018 05:15 p.m.	unavailable	
C	ALL	30/05/2018 09:14 p.m.	30/05/2018 11:12 p.m.	unavailable	Due to an anomaly the dump of the packet store was aborted automatically .In total all VC4 science data between 30/05/2018 21:14:47 to 30/05/2018 23:12:23 have been lost.

A	VFM	02/06/2018 09:52 a.m.	03/06/2018 09:01 a.m.	unavailable	VFM stopped producing compressed science packets due to the corruption of the science packet header. The problem was resolved on 03/06/2018 by power-cycling the instrument. In total, VFM data from 02/06/2018 at 09:52:59 to 03/06/2018 at 09:01:32 is partially lost and cannot be recovered (compressed packets missing, about 90% of the data)
A	ACC	09/06/2018 01:02 a.m.	09/06/2018 01:06 a.m.	unavailable	
C	ACC	11/06/2018 12:40 p.m.	11/06/2018 12:43 p.m.	unavailable	
B	ACC	02/07/2018 06:59 a.m.	02/07/2018 07:03 a.m.	unavailable	
C	STR	03/07/2018 08:30 p.m.	03/07/2018 08:31 p.m.	unavailable	
C	GPS	04/07/2018 11:51 p.m.	04/07/2018 11:52 p.m.	unavailable	
C	STR	04/07/2018 11:51 p.m.	04/07/2018 11:52 p.m.	unavailable	
C	HK_	04/07/2018 11:51 p.m.	04/07/2018 11:52 p.m.	unavailable	
B	ACC	20/07/2018 00:02 a.m.	20/07/2018 00:06 a.m.	unavailable	
A	GPS	26/07/2018 05:07 a.m.	26/07/2018 05:29 a.m.	unavailable	On 26/07/2018 a spontaneous reboot of Swarm-A GPSR-A unit caused a 22 minutes outage of the orbit and time solutions. Due to the reboot, all non-permanent GPSR SW patches and settings were lost.
A	EFI	26/07/2018 05:07 a.m.	26/07/2018 04:32 p.m.	unavailable	Due to the GPSR reboot on 26/07/2018, GPS time was lost from 05:07:02 to 05:29:47. During this period the time was provided by the OBC switched to the internal On-board clock. The switch from GPS to OBC clock resulted in the loss of several PPS detected by all instruments (and in particular y EFI which was switched off due to an internal FDIR).
C	ACC	29/07/2018 09:12 p.m.	29/07/2018 09:16 p.m.	unavailable	
B	ACC	01/08/2018 10:15 p.m.	01/08/2018 10:19 p.m.	unavailable	
B	ACC	05/08/2018 02:34 a.m.	05/08/2018 02:38 a.m.	unavailable	

C	EFI	07/08/2018 02:46 p.m.	07/08/2018 02:53 p.m.	unavailable	On 07/08/2018, EFI TII gain correction map for Swarm-C was updated in EEPROM and RAM and the instrument was power-cycled. During this process, no EFI science data was generated. EFI entered maintenance mode on 07/08/2018 at 14:46:32 and was back to normal mode after power cycling at 14:53:10
A	GPS	12/08/2018 01:44 a.m.	12/08/2018 01:45 a.m.	unavailable	
A	STR	12/08/2018 01:44 a.m.	12/08/2018 01:45 a.m.	unavailable	
A	HK_	12/08/2018 01:44 a.m.	12/08/2018 01:45 a.m.	unavailable	
B	ACC	17/08/2018 01:25 p.m.	17/08/2018 01:28 p.m.	unavailable	
A	ACC	23/08/2018 05:19 a.m.	23/08/2018 05:23 a.m.	unavailable	
B	VFM	28/08/2018 07:03 a.m.	28/08/2018 07:04 a.m.	unavailable	
B	EFI	29/08/2018 08:18 a.m.	29/08/2018 08:24 a.m.	unavailable	
A	EFI	29/08/2018 12:50 p.m.	29/08/2018 12:56 p.m.	unavailable	
A	ACC	07/09/2018 11:28 a.m.	07/09/2018 11:31 a.m.	unavailable	
B	ACC	13/09/2018 12:32 p.m.	13/09/2018 12:36 p.m.	unavailable	
C	ACC	25/09/2018 03:54 a.m.	25/09/2018 03:58 a.m.	unavailable	
A	ACC	25/09/2018 01:35 p.m.	25/09/2018 01:38 p.m.	unavailable	
A	ACC	25/09/2018 06:32 p.m.	25/09/2018 06:36 p.m.	unavailable	
A	ACC	25/09/2018 08:54 p.m.	25/09/2018 08:58 p.m.	unavailable	
B	ACC	29/09/2018 10:40 p.m.	29/09/2018 10:44 p.m.	unavailable	
C	ACC	06/10/2018 12:35 p.m.	06/10/2018 12:39 p.m.	unavailable	
B	STR	09/10/2018 11:41 p.m.	09/10/2018 11:42 p.m.	unavailable	
A	ACC	16/10/2018 00:53 a.m.	17/10/2018 07:05 a.m.	unavailable	On 16/10/2018, Swarm-A ACC was switched by the on-board FDIR at 00:54 because the unit stopped producing TM. The ACC has been successfully switched-on at 07:01 UTC of the 17/10/2018 (The monitoring of the instrument in the following pass was reporting that everything was back to nominal)
C	EFI	16/10/2018 07:40 a.m.	16/10/2018 07:45 a.m.	unavailable	On 16/10/2018 a new gain correction map was uploaded. EFI entered maintenance mode on 16/10/2018 at 07:40:43 and was back to normal mode with the LP configuration active at 07:48:00.

A	EFI	16/10/2018 09:14 a.m.	16/10/2018 09:19 a.m.	unavailable	On 16/10/2018 a new gain correction map was uploaded. EFI entered maintenance mode on 16/10/2018 at 09:14:04 and was back to normal mode with the LP configuration active at 09:21:30.
B	EFI	16/10/2018 01:33 p.m.	17/10/2018 08:28 a.m.	unavailable	On 16/10/2018 a new gain correction map was uploaded. EFI entered maintenance mode on 16/10/2018 at 13:33:58. EFI was successfully switched-on on 17/10/2018 and at 08:31:12 UTC the instrument was back to normal mode with the LP configuration active at 08:31:12
B	ACC	27/10/2018 06:20 a.m.	27/10/2018 06:24 a.m.	unavailable	
B	ACC	02/11/2018 06:03 p.m.	02/11/2018 06:06 p.m.	unavailable	
B	ACC	02/11/2018 07:37 p.m.	02/11/2018 07:41 p.m.	unavailable	
B	ACC	09/11/2018 05:31 a.m.	09/11/2018 05:35 a.m.	unavailable	
B	ACC	15/11/2018 06:33 p.m.	15/11/2018 06:37 p.m.	unavailable	
A	ACC	25/11/2018 08:34 a.m.	25/11/2018 08:38 a.m.	unavailable	
A	ACC	01/12/2018 10:33 a.m.	01/12/2018 10:36 a.m.	unavailable	
C	ACC	03/12/2018 09:14 a.m.	03/12/2018 09:17 a.m.	unavailable	
B	ACC	04/12/2018 03:35 a.m.	04/12/2018 03:38 a.m.	unavailable	
C	ACC	11/12/2018 06:00 p.m.	11/12/2018 06:04 p.m.	unavailable	
A	ACC	12/12/2018 08:56 a.m.	12/12/2018 08:59 a.m.	unavailable	
A	ACC	17/12/2018 12:07 a.m.	18/12/2018 02:19 p.m.	unavailable	On 17/12/2018 the Swarm-A ACC was switched off (starting from 12:07:43) because telemetry was not received. The unit was switched on to Standard Measurement mode on 18/12/2018 (at 14:19:47)
B	ACC	18/12/2018 00:10 a.m.	18/12/2018 00:13 a.m.	unavailable	
A	VFM	18/12/2018 06:21 p.m.	19/12/2018 04:43 p.m.	unavailable	On 18/12/2018, the Swarm-A OBC (On-board computer) started generating 'SyncErrData' events (since 18:21:28) at 1Hz. After investigation, the issue has been traced back to the generation of corrupted VFM Science packets (PID 41) discarded by the OBC. The VFM instrument was therefore power cycled on 19/12/2018 (at 16:43:54).
C	ACC	06/01/2019 10:50 p.m.	06/01/2019 10:54 p.m.	unavailable	
C	ACC	15/01/2019 03:35 p.m.	15/01/2019 03:38 p.m.	unavailable	

A	VFM	17/01/2019 11:34 a.m.	17/01/2019 11:36 a.m.	unavailable	
B	STR	31/01/2019 12:47 a.m.	31/01/2019 12:47 a.m.	unavailable	From 12:47:11 to 12:47:47 a.m.
B	ALL	31/01/2019 12:48 p.m.	31/01/2019 01:06 p.m.	unavailable	Around 18 minutes of science data have been lost, from 31/01/2019 12:48:07 to 31/01/2019 13:06:04 (during the dump of the Science Packet Store)
B	ACC	11/02/2019 11:56 a.m.	11/02/2019 12:00 p.m.	unavailable	
C	ACC	13/02/2019 03:04 p.m.	13/02/2019 03:08 p.m.	unavailable	
A	ACC	13/02/2019 04:09 p.m.	13/02/2019 04:13 p.m.	unavailable	
B	ACC	18/02/2019 06:19 a.m.	18/02/2019 06:23 a.m.	unavailable	
C	EFI	18/02/2019 12:11 p.m.	18/02/2019 12:17 p.m.	unavailable	
C	ACC	19/02/2019 03:48 a.m.	19/02/2019 03:52 a.m.	unavailable	
B	EFI	20/02/2019 04:40 p.m.	20/02/2019 04:45 p.m.	unavailable	
A	EFI	21/02/2019 08:36 a.m.	21/02/2019 08:41 a.m.	unavailable	
C	EFI	25/02/2019 07:31 a.m.	25/02/2019 07:34 a.m.	unavailable	
B	ACC	04/03/2019 08:39 a.m.	04/03/2019 08:43 a.m.	unavailable	
A	ACC	11/03/2019 10:46 a.m.	11/03/2019 10:55 a.m.	unavailable	ACC rebooted (After the beneficial effects of the ACC proof mass discharge operation on Swarm-C performed in terms of science data, it was performed also for Swarm-A and B)
B	ACC	11/03/2019 01:44 p.m.	11/03/2019 01:53 p.m.	unavailable	ACC rebooted (After the beneficial effects of the ACC proof mass discharge operation on Swarm-C performed in terms of science data, it was performed also for Swarm-A and B)
C	ACC	15/03/2019 10:38 p.m.	15/03/2019 10:42 p.m.	unavailable	
B	ACC	18/03/2019 08:55 a.m.	18/03/2019 08:59 a.m.	unavailable	
B	ACC	19/03/2019 05:43 a.m.	19/03/2019 05:46 a.m.	unavailable	
C	ACC	21/03/2019 09:42 a.m.	21/03/2019 09:46 a.m.	unavailable	
A	ACC	29/03/2019 10:55 a.m.	29/03/2019 10:58 a.m.	unavailable	
C	GPS	31/03/2019 07:31 p.m.	31/03/2019 07:32 p.m.	unavailable	
C	STR	31/03/2019 07:32 p.m.	31/03/2019 07:33 p.m.	unavailable	
C	HK	31/03/2019 07:32 p.m.	31/03/2019 07:32 p.m.	unavailable	From 07:32:01 to 07:32:45 p.m.
A	ACC	17/04/2019 09:07 a.m.	17/04/2019 09:11 a.m.	unavailable	
B	ACC	26/04/2019 04:59 p.m.	26/04/2019 05:02 p.m.	unavailable	
B	STR	28/04/2019 01:25 p.m.	28/04/2019 01:25 p.m.	unavailable	From 01:25:21 to 01:25:32 p.m.



C	ALL	28/04/2019 06:53 a.m.	30/04/2019 07:12 a.m.	unavailable	<p>On 28/04/2019 at 06:53 Last science data packet retrieved (beginning of science data gap).</p> <p>On 28/04/2019 at 17:06:55 UTC, Swarm-C entered safe mode as a consequence of a potentially permanent failure on the Processor Module A (PM-A) of the On-Board Computer. This is the most critical anomaly experience in flight by the Swarm mission up to now. The safe mode was caused by a problem with the communication over the MILBUS interface. The recovery activities back to science lasted until Thursday evening, 02/05/2019</p>
C	EFI	30/04/2019 07:12 a.m.	02/05/2019 08:00 a.m.		
C	ACC	30/04/2019 07:12 a.m.	02/05/2019 08:00 a.m.		
C	GPS	30/04/2019 07:12 a.m.	30/04/2019 01:57 p.m.		
C	STR	30/04/2019 07:12 a.m.	30/04/2019 01:35 p.m.		
C	VFM	30/04/2019 07:12 a.m.	02/05/2019 08:00 a.m.		
C	STR	30/04/2019 04:39 p.m.	30/04/2019 05:09 p.m.		
C	GPS	30/04/2019 04:39 p.m.	30/04/2019 05:09 p.m.		
C	HK_	30/04/2019 04:39 p.m.	30/04/2019 05:09 p.m.		
B	ACC	30/04/2019 09:56 p.m.	30/04/2019 09:59 p.m.	unavailable	
A	ACC	01/05/2019 04:48 p.m.	01/05/2019 04:52 p.m.	unavailable	
B	ACC	04/05/2019 06:24 p.m.	04/05/2019 06:27 p.m.	unavailable	
B	STR	08/05/2019 00:21 a.m.	08/05/2019 00:22 a.m.	unavailable	
C	STR	12/05/2019 06:49 p.m.	12/05/2019 06:50 p.m.	unavailable	
C	GPS	12/05/2019 06:49 p.m.	12/05/2019 06:50 p.m.	unavailable	
A	ASM	13/05/2019 12:37 p.m.	13/05/2019 12:39 p.m.	unavailable	
B	GPS	16/05/2019 11:21 a.m.	16/05/2019 11:38 a.m.	unavailable	
B	ACC	17/05/2019 01:48 p.m.	17/05/2019 01:51 p.m.	unavailable	
A	ASM	20/05/2019 12:37 p.m.	20/05/2019 12:38 p.m.	unavailable	
A	GPS	22/05/2019 09:40 a.m.	22/05/2019 10:03 a.m.	unavailable	
C	GPS	23/05/2019 09:00 a.m.	23/05/2019 09:23 a.m.	unavailable	
C	ACC	26/05/2019 05:02 a.m.	26/05/2019 05:05 a.m.	unavailable	

C	EFI	02/06/2019 00:06 a.m.	04/06/2019 11:53 a.m.	unavailable	On 02/06/2019 00:06:06 on Swarm-C, a medium severity High Voltages (error EFI_EvntMedSevHvpsError) was generated by the EFI instrument - (EFI Switch OFF). EFI was switched back on to Normal Mode Ready State on 04/06/2019 at 11:53
C	STR	03/06/2019 01:14 p.m.	03/06/2019 01:15 p.m.	unavailable	
A	ACC	03/06/2019 10:51 p.m.	03/06/2019 10:54 p.m.	unavailable	
A	ACC	07/06/2019 12:16 p.m.	07/06/2019 12:20 p.m.	unavailable	
A	ASM	10/06/2019 11:51 p.m.	10/06/2019 11:51 p.m.	unavailable	From 11:51:00 to 11:51:22 p.m.
A	ASM	12/06/2019 00:09 a.m.	12/06/2019 00:10 a.m.	unavailable	
A	ACC	12/06/2019 10:40 a.m.	12/06/2019 10:44 a.m.	unavailable	
A	ACC	14/06/2019 03:10 a.m.	14/06/2019 03:13 a.m.	unavailable	
C	ACC	18/06/2019 07:40 p.m.	18/06/2019 07:44 p.m.	unavailable	
B	ACC	29/06/2019 10:53 a.m.	29/06/2019 10:57 a.m.	unavailable	
B	ACC	29/06/2019 10:57 p.m.	29/06/2019 11:01 p.m.	unavailable	
C	ACC	07/07/2019 08:36 a.m.	07/07/2019 08:40 a.m.	unavailable	
C	ACC	11/07/2019 12:41 p.m.	11/07/2019 12:45 p.m.	unavailable	
C	EFI	15/07/2019 04:47 a.m.	16/07/2019 07:20 a.m.	unavailable	On 15/07/2019 an intensive and challenging in-orbit testing of the PM-A with respect to the MILBUS functionality of Swarm-C was performed, in order to provide possibly a final assessment of the available redundancies at OBC level. The Swarm-C payloads were switched off in visibility during the pass at 15/07/2019 04:47 UTC
C	VFM	15/07/2019 04:48 a.m.	15/07/2019 12:43 p.m.		
C	ACC	15/07/2019 04:48 a.m.	15/07/2019 12:53 p.m.		
C	STR	15/07/2019 04:48 a.m.	15/07/2019 09:31 a.m.		
C	GPS	15/07/2019 04:48 a.m.	15/07/2019 10:07 a.m.		
C	HK_	15/07/2019 04:48 a.m.	15/07/2019 08:36 a.m.		
A	ACC	16/07/2019 04:49 a.m.	16/07/2019 04:53 a.m.	unavailable	
C	VFM	16/07/2019 01:29 p.m.	16/07/2019 01:30 p.m.	unavailable	
B	ACC	06/08/2019 06:31 a.m.	06/08/2019 06:34 a.m.	unavailable	
C	ACC	09/08/2019 08:13 p.m.	09/08/2019 08:16 p.m.	unavailable	
A	ACC	12/08/2019 06:22 a.m.	12/08/2019 09:24 a.m.	unavailable	Re-occurrence of ACC EDAC Code-Area anomaly reported. The ACC power-cycle was completed at 09:24:27
B	ACC	16/08/2019 06:23 a.m.	16/08/2019 06:26 a.m.	unavailable	

B	VFM	16/08/2019 06:30 p.m.	17/08/2019 12:59 p.m.	unavailable	Since 16/08/2019 18:30:17 the VFM started producing incorrect science packets (both compressed and uncompressed 50Hz science packets), that were rejected. The instrument was power cycled on 17/08/2019 at 12:54 to resume the science data generation at 17/08/2019 12:59:06.
C	ACC	21/08/2019 05:04 a.m.	21/08/2019 05:07 a.m.	unavailable	
C	ACC	25/08/2019 08:50 a.m.	25/08/2019 08:54 a.m.	unavailable	
A	ACC	27/08/2019 09:20 a.m.	27/08/2019 09:24 a.m.	unavailable	
C	STR	28/08/2019 08:08 p.m.	28/08/2019 08:08 p.m.	unavailable	From 08:08:13 to 08:08:23 p.m.
A	ACC	01/09/2019 00:44 a.m.	01/09/2019 00:47 a.m.	unavailable	
A	STR	11/09/2019 07:16 a.m.	11/09/2019 07:17 a.m.	unavailable	
B	ACC	13/09/2019 01:06 a.m.	13/09/2019 01:09 a.m.	unavailable	
C	EFI	19/09/2019 05:53 a.m.	19/09/2019 05:58 a.m.	unavailable	
B	EFI	19/09/2019 08:31 a.m.	19/09/2019 08:37 a.m.	unavailable	
A	EFI	19/09/2019 12:02 p.m.	19/09/2019 12:07 p.m.	unavailable	
B	ACC	24/09/2019 03:12 a.m.	24/09/2019 03:16 a.m.	unavailable	
A	ACC	26/09/2019 05:50 p.m.	26/09/2019 05:54 p.m.	unavailable	
B	ACC	28/09/2019 12:40 p.m.	28/09/2019 12:43 p.m.	unavailable	
B	ACC	28/09/2019 02:00 p.m.	28/09/2019 02:04 p.m.	unavailable	
A	GPS	15/10/2019 06:32 a.m	15/10/2019 06:54 a.m.	unavailable	Re-occurrence of GPSR spontaneous reboot on Swarm-A on 15/10/2019 06:32:05, followed by synchronisation completed 22 minutes and 41 seconds later. The GPS data was valid again at 06:56:53 and the time synchronization was OK at 06:54:13.
A	EFI	15/10/2019 06:32 a.m	15/10/2019 08:44 a.m	unavailable	As a collateral effect of GPSR reboot on 15/10/2019, the EFI instrument was affected by some missing TimeTC and PPS. The EFI was switched back on at 15/10/2019 08:40 and the transition to Normal Mode Ready State commanded at 08:44:17.
A	ACC	17/10/2019 04:49 a.m	17/10/2019 04:53 a.m.	unavailable	
C	ACC	21/10/2019 05:15 a.m.	21/10/2019 05:19 a.m.	unavailable	
C	ACC	23/10/2019 03:23 p.m.	23/10/2019 03:27 p.m.	unavailable	
C	ACC	03/11/2019 06:08 a.m.	03/11/2019 06:12 a.m.	unavailable	
A	ACC	10/11/2019 08:06 p.m.	10/11/2019 08:09 p.m.	unavailable	

A	ACC	17/11/2019 09:43 p.m.	17/11/2019 09:46 p.m.	unavailable	
C	ACC	21/11/2019 02:59 p.m.	21/11/2019 03:02 p.m.	unavailable	
A	ACC	27/11/2019 12:07 p.m.	27/11/2019 12:11 p.m.	unavailable	
C	ACC	27/11/2019 08:31 p.m.	27/11/2019 08:35 p.m.	unavailable	
B	STR	29/11/2019 08:04 a.m.	29/11/2019 08:04 a.m.	unavailable	From 08:04:05 to 08:04:16 a.m.
C	EFI	03/12/2019 08:29 a.m.	03/12/2019 08:33 a.m.	unavailable	
C	EFI	03/12/2019 10:07 a.m.	03/12/2019 10:09 a.m.	unavailable	
A	ACC	06/12/2019 11:20 a.m.	06/12/2019 11:23 a.m.	unavailable	
C	ACC	18/12/2019 10:28 a.m.	18/12/2019 10:32 a.m.	unavailable	
C	ALL	18/12/2019 12:26 p.m.	18/12/2019 12:28 p.m.	unavailable	The the gap was below the 5 minutes threshold, it was not recovered. As the gap was so short, the reason of the drop could not be identified but the S/C antenna radiation pattern at 20 degrees is suspected.
C	ACC	24/12/2019 09:55 p.m.	24/12/2019 09:58 p.m.	unavailable	
C	ACC	29/12/2019 10:54 a.m.	29/12/2019 10:58 a.m.	unavailable	
C	ACC	31/12/2019 09:56 a.m.	31/12/2019 10:00 a.m.	unavailable	
C	ACC	01/01/2020 10:15 p.m.	01/01/2020 10:19 p.m.	unavailable	
B	VFM	03/01/2020 01:27 p.m.	03/01/2020 01:28 p.m.	unavailable	
B	ACC	06/01/2020 08:19 a.m.	06/01/2020 08:23 a.m.	unavailable	
B	ACC	09/01/2020 07:33 a.m.	09/01/2020 07:37 a.m.	unavailable	
B	ALL	17/01/2020 01:43 p.m.	18/01/2020 10:41 a.m.	unavailable	A MMU (Mass Memory Unit) anomaly was detected during the dump. Due to the impossibility to recover the science data not dumped between the anomaly time and the end of the recovery, around 21 hours of science data were lost.
C	STR	21/01/2020 03:32 p.m.	21/01/2020 03:32 p.m.	unavailable	From 03:32:26 to 03:32:50 p.m.
B	STR	23/01/2020 17:35 p.m.	23/01/2020 17:35 p.m.	unavailable	From 05:35:36 to 05:35:44 p.m.
B	ACC	30/01/2020 07:55 a.m.	30/01/2020 07:59 a.m.	unavailable	
B	ACC	01/02/2020 04:14 p.m.	01/02/2020 04:17 p.m.	unavailable	
B	ACC	08/02/2020 03:56 a.m.	08/02/2020 04:00 a.m.	unavailable	
C	ACC	15/02/2020 06:33 p.m.	15/02/2020 06:37 p.m.	unavailable	
A	ACC	17/02/2020 06:24 a.m.	17/02/2020 06:28 a.m.	unavailable	
A	ACC	19/02/2020 01:01 p.m.	19/02/2020 01:05 p.m.	unavailable	
C	ACC	23/02/2020 05:48 p.m.	23/02/2020 05:51 p.m.	unavailable	
A	ACC	24/02/2020 01:48 a.m.	24/02/2020 01:51 a.m.	unavailable	
A	ACC	24/02/2020 10:47 p.m.	24/02/2020 10:50 p.m.	unavailable	
B	ACC	26/02/2020 12:51 p.m.	26/02/2020 12:55 p.m.	unavailable	
C	ACC	10/03/2020 10:09 p.m.	10/03/2020 10:12 p.m.	unavailable	

B	ACC	11/03/2020 12:51 p.m.	11/03/2020 12:55 p.m.	unavailable	
C	ACC	11/03/2020 03:42 p.m.	11/03/2020 03:46 p.m.	unavailable	
A	ACC	16/03/2020 01:54 p.m.	16/03/2020 01:57 p.m.	unavailable	
B	STR	26/03/2020 11:17 a.m.	26/03/2020 11:17 a.m.	unavailable	From 11:17:32 to 11:17:41 a.m.
C	ACC	29/03/2020 06:02 a.m.	29/03/2020 06:05 a.m.	unavailable	
C	ACC	04/04/2020 01:11 p.m.	04/04/2020 01:15 p.m.	unavailable	
B	STR	09/04/2020 11:10 p.m.	09/04/2020 11:10 p.m.	unavailable	From 11:10:09 to 11:10:19 p.m.
B	ACC	15/04/2020 09:28 a.m.	15/04/2020 09:31 a.m.	unavailable	
C	ACC	17/04/2020 11:56 p.m.	18/04/2020 00:01 a.m.	unavailable	
B	ACC	03/05/2020 08:24 p.m.	03/05/2020 08:27 p.m.	unavailable	
B	ACC	16/05/2020 07:40 a.m.	16/05/2020 07:43 a.m.	unavailable	
B	ACC	18/05/2020 07:02 a.m.	18/05/2020 07:05 a.m.	unavailable	
C	ACC	23/05/2020 04:59 a.m.	23/05/2020 05:03 a.m.	unavailable	
B	ACC	24/05/2020 05:09 p.m.	24/05/2020 05:13 p.m.	unavailable	
C	VFM	27/05/2020 06:49 a.m.	27/05/2020 06:51 a.m.	unavailable	
A	ACC	30/05/2020 09:22 p.m.	30/05/2020 09:26 p.m.	unavailable	
A	ACC	31/05/2020 09:43 a.m.	31/05/2020 09:47 a.m.	unavailable	