Cluster manoeuvres: November 2018 to August 2019

V4, 28 February 2019

Spacecraft	*Science data stop*	*Science data re-start*	*Nominal manoeuvre time*
C2	27/11/2018 15:38	28/11/2018 01:59	27/11/2018 18:53
C3	17/12/2018 20:35	18/12/2018 06:56	17/12/2018 23:50
C2	17/12/2018 23:27	18/12/2018 09:48	18/12/2018 02:42
C3	16/01/2019 06:40	16/01/2019 17:01	16/01/2019 09:55
C3	25/01/2019 07:44	25/01/2019 18:05	25/01/2019 10:59
C2	12/02/2019 10:37	12/02/2019 20:58	12/02/2019 13:52
C2	19/02/2019 05:24	19/02/2019 15:45	19/02/2019 08:39
C1	19/02/2019 12:27	19/02/2019 22:48	19/02/2019 15:42
C1	18/03/2019 15:43	18/03/2019 21:04	18/03/2019 18:58
C3	21/04/2019 06:35	21/04/2019 11:56	21/04/2019 09:50
C3	09/05/2019 08:44	09/05/2019 14:05	09/05/2019 11:59
C3	16/07/2019 04:37	16/07/2019 09:58	16/07/2019 07:52
C2	05/08/2019 11:40	05/08/2019 17:01	05/08/2019 14:55
C3	05/08/2019 13:08	05/08/2019 18:29	05/08/2019 16:23
C1	05/08/2019 19:30	06/08/2019 00:51	05/08/2019 22:45
C2	14/08/2019 12:46	14/08/2019 18:07	14/08/2019 16:01
C3	14/08/2019 14:16	14/08/2019 19:37	14/08/2019 17:31
C1	14/08/2019 20:36	15/08/2019 01:57	14/08/2019 23:51

This table shows the periods around each manoeuvre during which JSOC will not plan collection of science data, and the nominal time of each manoeuvre within those periods. The span of the no-science data period is set by:

a) margins assigned by ESOC around each nominal manoeuvre time so as to specify a range within which they may adjust the manoeuvre to take account of latest orbit analysis;

b) margins used by JSOC to protect sensitive instruments (those with high voltage systems). Until 14/03/2019, the JSOC margins were typically 1 hour before the manoeuvre and 7 hours after the manoeuvre (and hence must be additional to the ESOC margins). From 14/03/2019, the JSOC margins are typically 1 hour before the manoeuvre and 2 hours after the manoeuvre.