

## The history information of QZS-2 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2018/11/17	orbit maintenance maneuver (*1)	UNLD	2018/11/17 9:21:34	2018/11/17 9:27:42					2302
		YS→ON	2018/11/17 9:47:50	2018/11/17 9:49:50					
		#1-1	2018/11/17 9:56:00	2018/11/17 9:58:59	0:02:59	-2.840	0.010	0.039	
		#1-2	2018/11/17 11:03:23	2018/11/17 11:06:23	0:03:00	-2.840	0.013	0.039	
		#2	2018/11/17 17:58:42	2018/11/17 18:03:41	0:04:59	4.850	0.033	0.063	
		#3	2018/11/17 22:58:02	2018/11/17 22:58:08	0:00:06	0.096	0.001	0.001	
		UNLD	2018/11/17 23:18:14	2018/11/17 23:52:14					
		ON→YS	2018/11/17 23:42:43	2018/11/17 23:45:48					
2018/12/3	change of Yaw Steering Status	Pseudo YS	2018/12/3 1:39:11	2018/12/3 1:50:15					
2018/12/4	change of Yaw Steering Status	Pseudo YS	2018/12/4 1:31:19	2018/12/4 1:55:43					
			2018/12/4 14:27:59	2018/12/4 14:45:03					
2018/12/5	change of Yaw Steering Status	Pseudo YS	2018/12/5 1:25:43	2018/12/5 1:59:03					
			2018/12/5 14:21:19	2018/12/5 14:53:03					
2018/12/6	change of Yaw Steering Status	Pseudo YS	2018/12/6 1:21:11	2018/12/6 2:00:55					
			2018/12/6 14:16:23	2018/12/6 14:56:07					
2018/12/7	change of Yaw Steering Status	Pseudo YS	2018/12/7 1:17:11	2018/12/7 2:02:07					
			2018/12/7 14:12:23	2018/12/7 14:58:15					
2018/12/8	change of Yaw Steering Status	Pseudo YS	2018/12/8 1:13:28	2018/12/8 2:02:48					
			2018/12/8 14:12:23	2018/12/8 14:59:44					
2018/12/9	change of Yaw Steering Status	Pseudo YS	2018/12/9 1:10:08	2018/12/9 2:03:12					
			2018/12/9 14:06:16	2018/12/9 15:00:08					
2018/12/10	change of Yaw Steering Status	Pseudo YS	2018/12/10 1:08:56	2018/12/10 2:01:20					
			2018/12/10 14:07:28	2018/12/10 14:56:56					
2018/12/11	change of Yaw Steering Status	Pseudo YS	2018/12/11 1:09:28	2018/12/11 1:57:52					
			2018/12/11 14:09:03	2018/12/11 14:53:20					
2018/12/12	change of Yaw Steering Status	Pseudo YS	2018/12/12 1:10:08	2018/12/12 1:54:00					
			2018/12/12 14:11:12	2018/12/12 14:48:56					
2018/12/13	change of Yaw Steering Status	Pseudo YS	2018/12/13 1:11:28	2018/12/13 1:49:36					
			2018/12/13 14:14:16	2018/12/13 14:43:20					
2018/12/14	change of Yaw Steering Status	Pseudo YS	2018/12/14 1:13:20	2018/12/14 1:44:24					
			2018/12/14 14:19:28	2018/12/14 14:33:52					
2018/12/15	change of Yaw Steering Status	Pseudo YS	2018/12/15 1:16:32	2018/12/15 1:36:00					
			-	-					
2019/5/17 -5/18	orbit maintenance maneuver (*1)	UNLD	2019/5/17 21:49:57	2019/5/17 21:53:17				2294	
		YS→ON	2019/5/17 22:10:12	2019/5/17 22:13:47					
		#1	2019/5/17 22:18:22	2019/5/17 22:22:45	0:04:23	-4.039	-0.012		0.053
		#2	2019/5/18 5:48:51	2019/5/18 5:52:16	0:03:25	3.267	-0.013		0.035
		#3	2019/5/18 10:47:26	2019/5/18 10:47:29	0:00:03	0.056	0.000		0.001
		UNLD	2019/5/18 10:50:37	2019/5/18 10:52:37					
		ON→YS	2019/5/18 10:56:43	2019/5/18 10:57:31					
2019/5/30	change of Yaw Steering Status	Pseudo YS	2019/5/30 13:50:22	2019/5/30 14:04:14					
2019/5/31	change of Yaw Steering Status	Pseudo YS	2019/5/31 13:43:18	2019/5/31 14:09:42					
2019/6/1	change of Yaw Steering Status	Pseudo YS	2019/6/1 2:40:30	2019/6/1 3:01:58					
			2019/6/1 13:37:50	2019/6/1 14:12:14					

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date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	$\Delta V_x$	$\Delta V_y$	$\Delta V_z$	
2019/6/2	change of Yaw Steering Status	Pseudo YS	2019/6/2 2:34:14	2019/6/2 3:07:02					
			2019/6/2 13:33:18	2019/6/2 14:13:34					
2019/6/3	change of Yaw Steering Status	Pseudo YS	2019/6/3 2:29:18	2019/6/3 3:09:34					
			2019/6/3 13:29:10	2019/6/3 14:14:22					
2019/6/4	change of Yaw Steering Status	Pseudo YS	2019/6/4 2:25:11	2019/6/4 3:11:11					
			2019/6/4 13:25:27	2019/6/4 14:14:47					
2019/6/5	change of Yaw Steering Status	Pseudo YS	2019/6/5 2:21:27	2019/6/5 3:12:23					
			2019/6/5 13:21:51	2019/6/5 14:14:55					
2019/6/6	change of Yaw Steering Status	Pseudo YS	2019/6/6 2:18:31	2019/6/6 3:12:39					
			2019/6/6 13:20:15	2019/6/6 14:12:55					
2019/6/7	change of Yaw Steering Status	Pseudo YS	2019/6/7 2:19:19	2019/6/7 3:09:11					
			2019/6/7 13:20:23	2019/6/7 14:09:19					
2019/6/8	change of Yaw Steering Status	Pseudo YS	2019/6/8 2:20:23	2019/6/8 3:05:27					
			2019/6/8 13:20:47	2019/6/8 14:05:19					
2019/6/9	change of Yaw Steering Status	Pseudo YS	2019/6/9 2:22:07	2019/6/9 3:01:11					
			2019/6/9 13:21:27	2019/6/9 14:00:55					
2019/6/10	change of Yaw Steering Status	Pseudo YS	2019/6/10 2:24:31	2019/6/10 2:55:51					
			2019/6/10 13:22:55	2019/6/10 13:55:51					
2019/6/11	change of Yaw Steering Status	Pseudo YS	2019/6/11 2:28:15	2019/6/11 2:46:55					
			2019/6/11 13:25:11	2019/6/11 13:49:03					
2019/6/12	change of Yaw Steering Status	Pseudo YS	2019/6/12 13:29:59	2019/6/12 13:40:31					

(\*1) The  $\Delta V$  information shows the planned value.

(\*2) This information includes the analysis error.