

The history information of QZS-4 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2017/11/22	Service in								2355
2017/11/22	change of Yaw Steering Status(*1)	Pseudo YS	2017/11/22 3:27:57	2017/11/22 3:42:21					
2017/11/23	change of Yaw Steering Status(*1)	Pseudo YS	2017/11/23 3:32:05	2017/11/23 3:39:01					
2018/1/9 -1/11	orbit maintenance maneuver(*1)	UNLD	2018/1/9 10:37:39	2018/1/9 10:40:51					2355
		YS→ON	2018/1/9 11:05:16	2018/1/9 10:58:17					
		#1	2018/1/9 11:05:16	2018/1/9 11:07:20	0:02:04	-1.950	0.011	0.025	
		#2	2018/1/10 18:31:17	2018/1/10 18:33:10	0:01:53	1.775	-0.034	0.020	
		UNLD	2018/1/11 22:20:19	2018/1/11 22:22:43					
		ON→YS	2018/1/11 22:26:57	2018/1/11 22:30:33					
2018/2/19	orbit maintenance maneuver(*1)	UNLD	2018/2/19 8:18:00	2018/2/19 8:21:20				2353	
		YS→ON	2018/2/19 8:38:20	2018/2/19 8:39:10					
		#1	2018/2/19 8:46:30	2018/2/19 8:47:06	0:00:36	-0.581	-0.003		0.008
		#2	2018/2/19 16:16:34	2018/2/19 16:17:03	0:00:29	0.463	0.009		0.004
		UNLD	2018/2/19 20:09:20	2018/2/19 20:11:20					
		ON→YS	2018/2/19 20:15:57	2018/2/19 20:19:26					
2018/4/21	change of Yaw Steering Status	Pseudo YS	2018/4/21 15:34:40	2018/4/21 15:40:16					
		Pseudo YS	2018/4/22 15:28:40	2018/4/22 15:42:48					
2018/4/23	change of Yaw Steering Status	Pseudo YS	2018/4/23 2:23:44	2018/4/23 2:35:28					
		Pseudo YS	2018/4/23 15:24:56	2018/4/23 15:46:48					
2018/4/24	change of Yaw Steering Status	Pseudo YS	2018/4/24 2:19:44	2018/4/24 2:37:12					
		Pseudo YS	2018/4/24 15:22:00	2018/4/24 15:49:44					
2018/4/25	change of Yaw Steering Status	Pseudo YS	2018/4/25 2:16:56	2018/4/25 2:42:48					
		Pseudo YS	2018/4/25 15:19:28	2018/4/25 15:51:44					
2018/4/26	change of Yaw Steering Status	Pseudo YS	2018/4/26 2:14:32	2018/4/26 2:45:28					
		Pseudo YS	2018/4/26 15:17:12	2018/4/26 15:33:12					
2018/4/27	change of Yaw Steering Status	Pseudo YS	2018/4/27 2:12:24	2018/4/27 2:47:28					
		Pseudo YS	2018/4/27 15:15:12	2018/4/27 15:54:24					
2018/4/28	change of Yaw Steering Status	Pseudo YS	2018/4/28 2:10:41	2018/4/28 2:49:13					
		Pseudo YS	2018/4/28 15:13:21	2018/4/28 15:55:21					
2018/4/29	change of Yaw Steering Status	Pseudo YS	2018/4/29 2:09:05	2018/4/29 2:50:49					
		Pseudo YS	2018/4/29 15:11:37	2018/4/29 15:56:09					
2018/4/30	change of Yaw Steering Status	Pseudo YS	2018/4/30 2:07:37	2018/4/30 2:52:09					
		Pseudo YS	2018/4/30 15:09:53	2018/4/30 15:56:49					
2018/5/1	change of Yaw Steering Status	Pseudo YS	2018/5/1 2:06:09	2018/5/1 2:53:21					
		Pseudo YS	2018/5/1 15:08:25	2018/5/1 15:57:29					
2018/5/2	change of Yaw Steering Status	Pseudo YS	2018/5/2 2:04:57	2018/5/2 2:54:25					
		Pseudo YS	2018/5/2 15:06:49	2018/5/2 15:58:01					
2018/5/3	change of Yaw Steering Status	Pseudo YS	2018/5/3 2:03:45	2018/5/3 2:55:21					
		Pseudo YS	2018/5/3 15:05:29	2018/5/3 15:58:25					
2018/5/4	change of Yaw Steering Status	Pseudo YS	2018/5/4 2:02:41	2018/5/4 2:56:17					
		Pseudo YS	2018/5/4 15:04:09	2018/5/4 15:58:33					

2018/5/5	change of Yaw Steering Status	Pseudo YS	2018/5/5 2:02:41	2018/5/5 2:56:09					
	change of Yaw Steering Status	Pseudo YS	2018/5/5 15:04:33	2018/5/5 15:57:13					
2018/5/6	change of Yaw Steering Status	Pseudo YS	2018/5/6 2:03:38	2018/5/6 2:54:58					
	change of Yaw Steering Status	Pseudo YS	2018/5/6 15:04:58	2018/5/6 15:55:46					
2018/5/7	change of Yaw Steering Status	Pseudo YS	2018/5/7 2:04:42	2018/5/7 2:53:54					
	change of Yaw Steering Status	Pseudo YS	2018/5/7 15:05:30	2018/5/7 15:54:18					
2018/5/8	change of Yaw Steering Status	Pseudo YS	2018/5/8 2:05:54	2018/5/8 2:52:34					
	change of Yaw Steering Status	Pseudo YS	2018/5/8 15:06:02	2018/5/8 15:52:42					
2018/5/9	change of Yaw Steering Status	Pseudo YS	2018/5/9 2:07:14	2018/5/9 2:51:07					
	change of Yaw Steering Status	Pseudo YS	2018/5/9 15:06:42	2018/5/9 15:50:58					
2018/5/10	change of Yaw Steering Status	Pseudo YS	2018/5/10 2:08:42	2018/5/10 2:49:38					
	change of Yaw Steering Status	Pseudo YS	2018/5/10 15:07:22	2018/5/10 15:49:14					
2018/5/11	change of Yaw Steering Status	Pseudo YS	2018/5/11 2:10:26	2018/5/11 2:47:54					
	change of Yaw Steering Status	Pseudo YS	2018/5/11 15:08:10	2018/5/11 15:47:14					
2018/5/12	change of Yaw Steering Status	Pseudo YS	2018/5/12 2:12:18	2018/5/12 2:45:54					
	change of Yaw Steering Status	Pseudo YS	2018/5/12 15:09:06	2018/5/12 15:45:14					
2018/5/13	change of Yaw Steering Status	Pseudo YS	2018/5/13 2:14:26	2018/5/13 2:43:30					
	change of Yaw Steering Status	Pseudo YS	2018/5/13 15:10:10	2018/5/13 15:42:58					
2018/5/14	change of Yaw Steering Status	Pseudo YS	2018/5/14 2:17:07	2018/5/14 2:39:57					
	change of Yaw Steering Status	Pseudo YS	2018/5/14 15:11:23	2018/5/14 15:40:27					
2018/5/15	change of Yaw Steering Status	Pseudo YS	2018/5/15 2:20:43	2018/5/15 2:35:15					
	change of Yaw Steering Status	Pseudo YS	2018/5/15 15:12:59	2018/5/15 15:37:15					
2018/5/16	change of Yaw Steering Status	Pseudo YS	2018/5/16 2:26:59	2018/5/16 2:31:55					
	change of Yaw Steering Status	Pseudo YS	2018/5/16 15:14:59	2018/5/16 15:31:47					
2018/5/17	change of Yaw Steering Status	Pseudo YS	2018/5/17 15:17:55	2018/5/17 15:29:31					

(*1)

The ΔV information shows the planned value.

(*2)

This information includes the analysis error.

(*3)

$\beta < 0.03^\circ \Rightarrow$ rotational direction \rightarrow negative direction