

The history information of QZS-1 operation

date	event	history							mass(kg) (*)2
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2018/8/14	change of attitude mode	YS→ON	2018/8/14 10:02:32	2018/8/14 10:31:38					
2018/9/10 -9/11	orbit maintenance maneuver (*1)	UNLD	2018/9/10 23:50:42	2018/9/10 23:56:50					2241
		#1	2018/9/11 00:12:15	2018/9/11 00:18:40	0:06:25	-2.264	-0.081	-0.049	
		#2	2018/9/11 07:42:55	2018/9/11 07:48:00	0:05:05	1.723	0.034	-0.061	
2018/9/14	change of attitude mode	ON→YS	2018/9/14 07:59:10	2018/9/14 08:16:45					
2018/9/18	orbit maintenance maneuver (*1)	YS→ON	2018/9/18 12:37:19	2018/9/18 12:38:37					2241
		#1	2018/9/18 12:55:42	2018/9/18 12:56:36	0:00:54	-0.318	-0.011	-0.007	
2018/9/23	change of attitude mode	ON→YS	2018/9/23 08:24:31	2018/9/23 08:55:09					
2019/2/8	change of attitude mode	YS→ON	2019/2/8 10:04:01	2019/2/8 10:33:29					
2019/3/10 -3/11	orbit maintenance maneuver (*1)	UNLD	2019/3/10 11:56:34	2019/3/10 12:00:18					2237
		#1	2019/3/10 12:16:52	2019/3/10 12:23:55	0:07:03	-2.425	0.062	-0.088	
		#2	2019/3/10 19:47:27	2019/3/10 19:53:20	0:05:53	2.037	-0.057	-0.042	
		#3	2019/3/11 00:30:43	2019/3/11 00:31:04	0:00:21	-0.119	0.003	-0.004	
2019/3/19	change of attitude mode	ON→YS	2019/3/19 08:04:21	2019/3/19 08:35:08					
2019/8/10	change of attitude mode	YS→ON	2019/8/10 09:50:14	2019/8/10 10:19:21					
2019/9/06 -9/07	orbit maintenance maneuver (*1)	UNLD	2019/9/6 23:35:13	2019/9/6 23:41:05					2233
		#1	2019/9/6 23:56:37	2019/9/7 00:03:36	0:06:59	-2.472	-0.087	-0.054	
		#2	2019/9/7 07:26:55	2019/9/7 07:33:18	0:06:23	2.174	0.042	-0.077	
		#3	2019/9/7 12:10:20	2019/9/7 12:10:53	0:00:33	-0.190	-0.007	-0.004	
2019/9/20	change of attitude mode	ON→YS	2019/9/20 08:04:02	2019/9/20 08:35:24					
2020/2/4	change of attitude mode	YS→ON	2020/2/4 09:58:06	2020/2/4 10:28:08					
2020/3/8	orbit maintenance maneuver (*1)	UNLD	2020/3/8 11:11:29	2020/3/8 11:15:13					2228
		#1	2020/3/8 11:32:12	2020/3/8 11:39:57	0:07:45	-2.672	0.067	-0.097	
		#2	2020/3/8 19:02:47	2020/3/8 19:09:22	0:06:35	2.292	-0.064	-0.047	
		#3	2020/3/8 23:46:21	2020/3/8 23:46:48	0:00:27	-0.129	0.003	-0.005	
2020/3/15	change of attitude mode	ON→YS	2020/3/15 08:01:55	2020/3/15 08:33:31					
2020/8/5	change of attitude mode	YS→ON	2020/8/5 09:50:54	2020/8/5 10:20:24					
2020/9/2 -9/3	orbit maintenance maneuver (*1)	UNLD	2020/9/2 23:04:33	2020/9/2 23:10:41					2224
		#1	2020/9/2 23:25:55	2020/9/2 23:33:38	0:07:43	-2.705	-0.094	-0.059	
		#2	2020/9/3 06:56:07	2020/9/3 07:03:26	0:07:19	2.497	0.047	-0.088	
		#3	2020/9/3 11:39:56	2020/9/3 11:40:36	0:00:40	-0.178	-0.006	-0.004	
2020/9/15	change of attitude mode	ON→YS	2020/9/15 08:06:15	2020/9/15 08:37:00					
2021/1/31	change of attitude mode	YS→ON	2021/1/31 09:47:01	2021/1/31 10:15:52					
2021/2/28	orbit maintenance maneuver (*1)	UNLD	2021/2/28 11:13:21	2021/2/28 11:17:21					2219
		#1	2021/2/28 11:34:18	2021/2/28 11:42:28	0:08:10	-2.820	0.070	-0.102	
		#2	2021/2/28 19:04:38	2021/2/28 19:12:08	0:07:30	2.616	-0.071	-0.054	
		#3	2021/2/28 23:48:44	2021/2/28 23:49:03	0:00:19	-0.088	0.002	-0.003	
2021/3/11	change of attitude mode	ON→YS	2021/3/11 07:50:47	2021/3/11 08:21:15					
2021/8/1	change of attitude mode	YS→ON	2021/8/1 09:52:26	2021/8/1 10:22:00					
2021/8/20 -8/26	operation of sun acquisition mode (*3)	SAM	2021/8/20 07:45:15	2021/8/26 08:56:44		-0.180	-0.220	-0.310	2217
2021/8/30 -9/1	orbit maintenance maneuver (*1)	UNLD	2021/8/30 22:48:02	2021/8/30 22:50:10					2212
		#1	2021/8/30 23:07:52	2021/8/30 23:16:25	0:08:33	-3.035	-0.103	-0.066	
		#2	2021/8/31 06:37:59	2021/8/31 06:46:17	0:08:18	2.852	0.050	-0.100	
		#3	2021/9/1 05:42:05	2021/9/1 05:43:12	0:01:07	-0.298	-0.010	-0.006	
2021/9/11	change of attitude mode	ON→YS	2021/9/11 08:12:29	2021/9/11 08:42:37					
2022/1/27	change of attitude mode	YS→ON	2022/1/27 09:34:01	2022/1/27 10:03:22					

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date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2022/2/28	orbit maintenance maneuver (*1)	UNLD	2022/2/28 10:20:51	2022/2/28 10:24:35					2207
		#1	2022/2/28 10:41:11	2022/2/28 10:49:38	0:08:27	-2.923	0.069	-0.106	
		#2	2022/2/28 18:11:15	2022/2/28 18:19:34	0:08:19	2.950	-0.077	-0.060	
2022/3/8	change of attitude mode	ON→YS	2022/3/8 07:36:07	2022/3/8 08:07:11					

(*1) The ΔV information shows the planned value.

(*2) This information includes the analysis error.

(*3) Updated history of mass changes since this event on 2023/6/2.