

The history information of QZS-3 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2018/7/4	orbit maintenance maneuver(*1)	UNLD	2018/7/4 18:39:42	2018/7/4 18:42:54					2729
		EW	2018/7/4 18:59:38	2018/7/4 19:00:21	0:00:43	-0.125	-0.002	0.001	
2018/7/22	orbit maintenance maneuver(*1)	UNLD	2018/7/22 13:36:22	2018/7/22 13:38:54					2723
		NS	2018/7/22 13:56:16	2018/7/22 13:59:27	0:03:11	0.018	-6.013	0.006	
2018/7/26	orbit maintenance maneuver(*1)	UNLD	2018/7/22 13:36:22	2018/7/22 13:38:54					2723
		EW	2018/7/26 04:59:36	2018/7/26 05:00:00	0:00:24	0.141	-0.002	0.001	
2018/8/19	orbit maintenance maneuver(*1)	UNLD	2018/8/19 12:25:57	2018/8/19 12:28:37					2722
		EW	2018/8/19 12:45:50	2018/8/19 12:46:29	0:00:39	-0.118	-0.002	0.000	
2018/9/6	orbit maintenance maneuver(*1)	UNLD	2018/9/6 10:39:57	2018/9/6 10:42:05					2718
		NS	2018/9/6 10:59:53	2018/9/6 11:04:56	0:05:03	0.026	-4.797	-0.017	
2018/9/9	orbit maintenance maneuver(*1)	UNLD	2018/9/9 06:39:41	2018/9/9 06:41:49					2717
		EW	2018/9/9 06:59:38	2018/9/9 07:00:21	0:00:43	-0.130	-0.002	0.001	
2018/9/30	orbit maintenance maneuver(*1)	UNLD	2018/9/30 18:09:48	2018/9/30 18:12:44					2717
		EW	2018/9/30 18:29:40	2018/9/30 18:30:19	0:00:39	-0.119	-0.002	0.001	
2018/10/22	orbit maintenance maneuver(*1)	UNLD	2018/10/22 07:39:48	2018/10/22 07:43:00					2712
		NS	2018/10/22 07:59:41	2018/10/22 08:04:28	0:04:47	0.001	-4.593	0.025	
2018/10/23	orbit maintenance maneuver(*1)	UNLD	2018/10/23 03:39:48	2018/10/23 03:41:48					2712
		EW	2018/10/23 03:59:42	2018/10/23 04:00:17	0:00:35	-0.102	-0.001	0.000	
2018/11/15	orbit maintenance maneuver(*1)	UNLD	2018/11/15 12:39:47	2018/11/15 12:43:31					2712
		EW	2018/11/15 12:59:39	2018/11/15 13:00:20	0:00:41	-0.120	-0.002	0.000	
2018/12/6	orbit maintenance maneuver(*1)	UNLD	2018/12/6 04:10:03	2018/12/6 04:13:55					2706
		NS-1	2018/12/6 04:30:00	2018/12/6 04:33:19	0:03:19	0.006	-3.145	0.018	
		NS-2	2018/12/6 05:37:25	2018/12/6 05:40:42	0:03:17	0.004	-3.145	0.024	
2018/12/7	orbit maintenance maneuver(*1)	UNLD	2018/12/7 07:39:47	2018/12/7 07:41:55					2706
		EW	2018/12/7 07:59:43	2018/12/7 08:00:16	0:00:33	-0.098	-0.001	0.000	
2018/12/28	orbit maintenance maneuver(*1)	UNLD	2018/12/28 18:39:47	2018/12/28 18:43:55					2705
		EW	2018/12/28 18:59:39	2018/12/28 19:00:20	0:00:41	-0.117	-0.002	0.001	
2019/1/19	orbit maintenance maneuver(*1)	UNLD	2019/1/19 01:16:34	2019/1/19 01:20:26					2699
		NS-1	2019/1/19 01:36:25	2019/1/19 01:39:44	0:03:19	0.010	-3.205	0.000	
		NS-2	2019/1/19 02:43:49	2019/1/19 02:47:08	0:03:19	0.009	-3.205	0.007	
2019/1/20	orbit maintenance maneuver(*1)	UNLD	2019/1/20 04:39:38	2019/1/20 04:41:46					2699
		EW	2019/1/20 04:59:33	2019/1/20 05:00:26	0:00:53	-0.151	-0.002	0.001	
2019/1/24	orbit maintenance maneuver(*1)	UNLD	2019/1/24 08:40:02	2019/1/24 08:42:26					2699
		EW	2019/1/24 08:59:58	2019/1/24 09:00:01	0:00:03	0.010	0.000	0.000	
2019/2/12	orbit maintenance maneuver(*1)	UNLD	2019/2/12 06:39:46	2019/2/12 06:43:22					2698
		EW	2019/2/12 06:59:39	2019/2/12 07:00:20	0:00:41	-0.120	0.001	0.001	
2019/3/5	orbit maintenance maneuver(*1)	UNLD	2019/3/5 10:51:29	2019/3/5 10:54:33					2694
		NS	2019/3/5 11:11:20	2019/3/5 11:16:13	0:04:53	-0.001	4.914	-0.009	
2019/3/6	orbit maintenance maneuver(*1)	UNLD	2019/3/6 10:39:45	2019/3/6 10:41:45					2693
		EW	2019/3/6 10:59:40	2019/3/6 11:00:19	0:00:39	-0.115	0.001	0.001	
2019/3/26	orbit maintenance maneuver(*1)	UNLD	2019/3/26 16:39:45	2019/3/26 16:42:49					2693
		EW	2019/3/26 16:59:40	2019/3/26 17:00:19	0:00:39	-0.113	0.001	0.001	

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date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2019/4/15	orbit maintenance maneuver(*1)	UNLD	2019/4/15 08:12:00	2019/4/15 08:14:24					2689
		NS	2019/4/15 08:31:55	2019/4/15 08:36:18	0:04:23	-0.013	4.421	0.031	
2019/4/16	orbit maintenance maneuver(*1)	UNLD	2019/4/16 05:39:44	2019/4/16 05:41:52					2689
		EW	2019/4/16 05:59:41	2019/4/16 06:00:18	0:00:37	-0.110	0.001	0.001	
2019/5/9	orbit maintenance maneuver(*1)	UNLD	2019/5/9 04:39:44	2019/5/9 04:42:16					2688
		EW	2019/5/9 04:59:39	2019/5/9 05:00:20	0:00:41	-0.121	0.001	0.001	
2019/6/1	orbit maintenance maneuver(*1)	UNLD	2019/6/1 16:32:08	2019/6/1 16:35:04					2683
		NS-1	2019/6/1 16:51:59	2019/6/1 16:55:16	0:03:17	0.006	-3.181	0.020	
		NS-2	2019/6/1 17:59:23	2019/6/1 18:02:40	0:03:17	0.004	-3.181	0.025	
2019/6/2	orbit maintenance maneuver(*1)	UNLD	2019/6/2 14:39:44	2019/6/2 14:41:44					2682
		EW	2019/6/2 14:59:38	2019/6/2 15:00:21	0:00:43	-0.126	-0.002	0.001	
2019/6/26	orbit maintenance maneuver(*1)	UNLD	2019/6/26 01:39:43	2019/6/26 01:43:03					2682
		EW	2019/6/26 01:59:39	2019/6/26 02:00:20	0:00:41	-0.120	0.001	0.001	
2019/7/17	orbit maintenance maneuver(*1)	UNLD	2019/7/17 01:32:15	2019/7/17 01:35:19					2676
		NS-1	2019/7/17 01:52:12	2019/7/17 01:55:37	0:03:25	0.001	3.457	0.008	
		NS-2	2019/7/17 02:59:36	2019/7/17 03:03:01	0:03:25	0.007	3.457	0.016	
2019/7/18	orbit maintenance maneuver(*1)	UNLD	2019/7/18 04:39:43	2019/7/18 04:41:43					2676
		EW	2019/7/18 04:59:38	2019/7/18 05:00:21	0:00:43	-0.124	0.001	0.001	
2019/8/9	orbit maintenance maneuver(*1)	UNLD	2019/8/9 16:39:50	2019/8/9 16:42:38					2676
		EW	2019/8/9 16:59:40	2019/8/9 17:00:19	0:00:39	-0.117	0.001	0.001	
2019/8/29	orbit maintenance maneuver(*1)	UNLD	2019/8/29 23:12:14	2019/8/29 23:14:38					2671
		NS	2019/8/29 23:32:11	2019/8/29 23:37:10	0:04:59	-0.005	5.050	-0.008	
2019/8/31	orbit maintenance maneuver(*1)	UNLD	2019/8/31 03:39:50	2019/8/31 03:41:50					2671
		EW	2019/8/31 03:59:40	2019/8/31 04:00:19	0:00:39	-0.114	0.001	0.001	
2019/9/22	orbit maintenance maneuver(*1)	UNLD	2019/9/22 06:39:49	2019/9/23 06:42:29					2670
		EW	2019/9/22 06:59:39	2019/9/22 07:00:20	0:00:41	-0.119	0.001	0.001	
2019/10/14	orbit maintenance maneuver(*1)	UNLD	2019/10/14 20:12:45	2019/10/14 20:15:41					2666
		NS	2019/10/14 20:32:42	2019/10/14 20:37:25	0:04:43	-0.006	4.807	0.023	
2019/10/15	orbit maintenance maneuver(*1)	UNLD	2019/10/15 16:39:41	2019/10/15 16:41:49					2666
		EW	2019/10/15 16:59:38	2019/10/15 17:00:21	0:00:43	-0.124	0.001	0.001	
2019/11/8	orbit maintenance maneuver(*1)	UNLD	2019/11/8 02:39:49	2019/11/8 02:42:53					2666
		EW	2019/11/8 02:59:40	2019/11/8 03:00:19	0:00:39	-0.117	0.001	0.001	
2019/11/30	orbit maintenance maneuver(*1)	UNLD	2019/11/30 16:35:24	2019/11/30 16:39:16					2659
		NS-1	2019/11/30 16:55:20	2019/11/30 16:58:49	0:03:29	-0.010	3.565	0.032	
		NS-2	2019/11/30 18:02:44	2019/11/30 18:06:13	0:03:29	-0.015	3.565	0.037	
2019/12/1	orbit maintenance maneuver(*1)	UNLD	2019/12/1 04:39:48	2019/12/1 04:41:56					2659
		EW	2019/12/1 04:59:39	2019/12/1 05:00:20	0:00:41	-0.123	0.001	0.001	
2019/12/23	orbit maintenance maneuver(*1)	UNLD	2019/12/23 13:39:48	2019/12/23 13:43:40					2658
		EW	2019/12/23 13:59:39	2019/12/23 14:00:20	0:00:41	-0.119	0.001	0.001	
2020/1/14	orbit maintenance maneuver(*1)	UNLD	2020/1/14 13:37:31	2020/1/14 13:41:31					2652
		NS-1	2020/1/14 13:57:22	2020/1/14 14:00:49	0:03:27	0.001	3.514	0.008	
		NS-2	2020/1/14 15:04:46	2020/1/14 15:08:13	0:03:27	0.007	3.514	0.016	
2020/1/15	orbit maintenance maneuver(*1)	UNLD	2020/1/15 03:39:47	2020/1/15 03:41:47					2652
		EW	2020/1/15 03:59:39	2020/1/15 04:00:20	0:00:41	-0.121	0.001	0.001	

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date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2020/2/8	orbit maintenance maneuver(*1)	UNLD	2020/2/8 08:39:47	2020/2/8 08:43:23					2651
		EW	2020/2/8 08:59:37	2020/2/8 09:00:22	0:00:45	-0.130	-0.002	0.001	
2020/3/3	orbit maintenance maneuver(*1)	UNLD	2020/3/3 22:54:58	2020/3/3 22:58:26					2646
		NS	2020/3/3 23:14:50	2020/3/3 23:20:47	0:05:57	0.032	-5.856	-0.020	
2020/3/4	orbit maintenance maneuver(*1)	UNLD	2020/3/4 16:39:38	2020/3/4 16:41:46					2646
		EW	2020/3/4 16:59:34	2020/3/4 17:00:25	0:00:51	-0.148	-0.002	0.001	
2020/3/28	orbit maintenance maneuver(*1)	UNLD	2020/3/28 06:39:46	2020/3/28 06:43:06					2645
		EW	2020/3/28 06:59:38	2020/3/28 07:00:21	0:00:43	-0.123	-0.002	0.001	
2020/4/20	orbit maintenance maneuver(*1)	UNLD	2020/4/20 19:47:45	2020/4/20 19:50:01					2640
		NS	2020/4/20 20:07:40	2020/4/20 20:13:10	0:05:30	0.001	-5.415	0.031	
2020/4/21	orbit maintenance maneuver(*1)	UNLD	2020/4/21 06:39:45	2020/4/21 06:41:53					2640
		EW	2020/4/21 06:59:39	2020/4/21 07:00:21	0:00:42	-0.122	-0.002	0.001	
2020/5/15	orbit maintenance maneuver(*1)	UNLD	2020/5/15 06:09:45	2020/5/15 06:12:25					2640
		EW	2020/5/15 06:29:38	2020/5/15 06:30:21	0:00:43	-0.126	-0.002	0.001	
2020/6/8	orbit maintenance maneuver(*1)	UNLD	2020/6/8 16:01:36	2020/6/8 16:04:40					2633
		NS-1	2020/6/8 16:21:27	2020/6/8 16:25:16	0:03:49	0.007	-3.743	0.020	
		NS-2	2020/6/8 17:28:52	2020/6/8 17:32:39	0:03:47	0.000	-3.743	0.000	
2020/6/9	orbit maintenance maneuver(*1)	UNLD	2020/6/9 17:39:44	2020/6/9 17:41:52					2632
		EW	2020/6/9 17:59:36	2020/6/9 18:00:23	0:00:47	-0.002	-0.002	0.001	
2020/7/3	orbit maintenance maneuver(*1)	UNLD	2020/7/3 04:39:44	2020/7/3 04:43:04					2632
		EW	2020/7/3 04:59:39	2020/7/3 05:00:20	0:00:41	-0.122	-0.002	0.001	
2020/7/25	orbit maintenance maneuver(*1)	UNLD	2020/7/25 12:55:44	2020/7/25 12:58:40					2626
		NS-1	2020/7/25 13:15:37	2020/7/25 13:19:02	0:03:25	0.011	-3.380	-0.001	
		NS-2	2020/7/25 14:23:01	2020/7/25 14:26:26	0:03:25	0.010	-3.380	0.006	
2020/7/26	orbit maintenance maneuver(*1)	UNLD	2020/7/26 05:39:44	2020/7/26 05:41:44					2625
		EW	2020/7/26 05:59:35	2020/7/26 06:00:24	0:00:49	-0.145	-0.002	0.001	
2020/8/18	orbit maintenance maneuver(*1)	UNLD	2020/8/18 16:39:43	2020/8/18 16:42:31					2625
		EW	2020/8/18 16:59:38	2020/8/18 17:00:21	0:00:43	-0.128	-0.002	0.001	
2020/9/9	orbit maintenance maneuver(*1)	UNLD	2020/9/9 10:27:11	2020/9/9 10:29:19					2620
		NS	2020/9/9 10:47:05	2020/9/9 10:52:26	0:05:21	0.029	-5.292	-0.019	
2020/9/10	orbit maintenance maneuver(*1)	UNLD	2020/9/10 06:39:43	2020/9/10 06:41:43					2620
		EW	2020/9/10 06:59:36	2020/9/10 07:00:23	0:00:47	-0.139	-0.002	0.001	
2020/10/3	orbit maintenance maneuver(*1)	UNLD	2020/10/3 15:09:42	2020/10/3 15:12:38					2620
		EW	2020/10/3 15:29:39	2020/10/3 15:30:20	0:00:41	-0.120	-0.001	0.001	
2020/10/23	orbit maintenance maneuver(*1)	UNLD	2020/10/23 07:35:10	2020/10/23 07:38:14					2615
		NS	2020/10/23 07:55:00	2020/10/23 08:00:25	0:05:25	0.001	-5.421	0.031	
2020/10/24	orbit maintenance maneuver(*1)	UNLD	2020/10/24 03:39:50	2020/10/24 03:41:50					2615
		EW	2020/10/24 03:59:44	2020/10/24 04:00:15	0:00:31	-0.095	-0.001	0.000	
2020/11/14	orbit maintenance maneuver(*1)	UNLD	2020/11/14 05:39:49	2020/11/14 05:43:25					2614
		EW	2020/11/14 05:59:40	2020/11/14 06:00:19	0:00:39	-0.116	-0.002	0.001	
2020/12/6	orbit maintenance maneuver(*1)	UNLD	2020/12/6 04:09:09	2020/12/6 04:13:01					2608
		NS-1	2020/12/6 04:29:03	2020/12/6 04:32:28	0:03:25	0.006	-3.393	0.020	
		NS-2	2020/12/6 05:36:27	2020/12/6 05:39:52	0:03:25	0.005	-3.393	0.025	
		UNLD	2020/12/6 17:09:49	2020/12/6 17:11:49					2608
		EW	2020/12/6 17:29:43	2020/12/6 17:30:16	0:00:33	-0.102	-0.001	0.000	

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date	event	history							mass(kg) (*2)	
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z		
2020/12/29	orbit maintenance maneuver(*1)	UNLD	2020/12/29 04:39:49	2020/12/29 04:44:05					2607	
		EW	2020/12/29 04:59:39	2020/12/29 05:00:20	0:00:41	-0.120	-0.002	0.001		
2021/1/20	orbit maintenance maneuver(*1)	UNLD	2021/1/20 01:10:44	2021/1/20 01:14:52					2601	
		NS-1	2021/1/20 01:30:36	2021/1/20 01:33:59	0:03:23	0.011	-3.413	0.000		
		NS-2	2021/1/20 02:38:00	2021/1/20 02:41:23	0:03:23	0.009	-3.413	0.007		
		UNLD	2021/1/20 15:39:40	2021/1/20 15:41:40						2601
		EW	2021/1/20 15:59:35	2021/1/20 16:00:24	0:00:49	-0.146	-0.002	0.001		
2021/2/10	orbit maintenance maneuver(*1)	UNLD	2021/2/10 05:39:48	2021/2/10 05:43:32					2601	
		EW	2021/2/10 05:59:40	2021/2/10 06:00:19	0:00:39	-0.114	0.001	0.001		
2021/3/4	orbit maintenance maneuver(*1)	UNLD	2021/3/4 10:51:55	2021/3/4 10:55:15					2596	
		NS	2021/3/4 11:11:48	2021/3/4 11:16:47	0:04:59	-0.001	5.255	-0.010		
2021/3/5	orbit maintenance maneuver(*1)	UNLD	2021/3/5 05:39:47	2021/3/5 05:41:47					2595	
		EW	2021/3/5 05:59:39	2021/3/5 06:00:20	0:00:41	-0.120	0.001	0.001		
2021/3/28	orbit maintenance maneuver(*1)	UNLD	2021/3/28 13:39:47	2021/3/28 13:42:51					2595	
		EW	2021/3/28 13:59:38	2021/3/28 14:00:21	0:00:43	-0.123	0.001	0.001		
2021/4/20	orbit maintenance maneuver(*1)	UNLD	2021/4/20 07:47:22	2021/4/20 07:49:38					2590	
		NS	2021/4/20 08:07:12	2021/4/20 08:12:55	0:05:43	-0.020	6.009	0.049		
2021/4/21	orbit maintenance maneuver(*1)	UNLD	2021/4/21 05:39:46	2021/4/21 05:41:46					2590	
		EW	2021/4/21 05:59:40	2021/4/21 06:00:19	0:00:39	-0.114	0.001	0.001		
2021/5/14	orbit maintenance maneuver(*1)	UNLD	2021/5/14 05:39:46	2021/5/14 05:42:26					2589	
		EW	2021/5/14 05:59:38	2021/5/14 06:00:21	0:00:43	-0.126	0.001	0.001		
2021/6/6	orbit maintenance maneuver(*1)	UNLD	2021/6/6 04:09:13	2021/6/6 04:12:17					2583	
		NS-1	2021/6/6 04:29:03	2021/6/6 04:32:30	0:03:27	-0.003	3.615	0.029		
		NS-2	2021/6/6 05:36:28	2021/6/6 05:39:53	0:03:25	-0.014	3.615	0.036		
		UNLD	2021/6/6 14:39:45	2021/6/6 14:41:45						2583
		EW	2021/6/6 14:59:40	2021/6/6 15:00:19	0:00:39	-0.114	0.001	0.001		
2021/6/28	orbit maintenance maneuver(*1)	UNLD	2021/6/28 03:39:45	2021/6/28 03:43:05					2583	
		EW	2021/6/28 03:59:40	2021/6/28 04:00:19	0:00:39	-0.115	0.001	0.001		
2021/7/21	orbit maintenance maneuver(*1)	UNLD	2021/7/21 01:10:09	2021/7/21 01:13:21					2576	
		NS-1	2021/7/21 01:30:05	2021/7/21 01:33:34	0:03:29	-0.001	3.682	0.006		
		NS-2	2021/7/21 02:37:29	2021/7/21 02:40:58	0:03:29	0.006	3.682	0.014		
2021/7/22	orbit maintenance maneuver(*1)	UNLD	2021/7/22 03:39:45	2021/7/22 03:41:45					2576	
		EW	2021/7/22 03:59:40	2021/7/22 04:00:19	0:00:39	-0.118	0.001	0.001		
2021/8/13	orbit maintenance maneuver(*1)	UNLD	2021/8/13 10:39:44	2021/8/13 10:42:32					2576	
		EW	2021/8/13 10:59:40	2021/8/13 11:00:19	0:00:39	-0.117	0.001	0.001		
2021/9/2	orbit maintenance maneuver(*1)	UNLD	2021/9/2 22:49:36	2021/9/2 22:51:52					2570	
		NS	2021/9/2 23:09:26	2021/9/2 23:14:57	0:05:31	-0.002	5.826	-0.011		
2021/9/3	orbit maintenance maneuver(*1)	UNLD	2021/9/3 10:39:52	2021/9/3 10:41:52					2570	
		EW	2021/9/3 10:59:43	2021/9/3 11:00:16	0:00:33	-0.097	0.001	0.001		

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date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2021/9/25	orbit maintenance maneuver(*1)	UNLD	2021/9/25 15:09:43	2021/9/25 15:12:31					2570
		EW	2021/9/25 15:29:40	2021/9/25 15:30:19	0:00:39	-0.117	0.001	0.001	
2021/10/15	orbit maintenance maneuver(*1)	UNLD	2021/10/15 20:00:55	2021/10/15 20:03:59					2565
		NS	2021/10/15 20:20:50	2021/10/15 20:26:25	0:05:35	-0.014	5.478	0.035	
2021/10/17	orbit maintenance maneuver(*1)	UNLD	2021/10/17 00:39:51	2021/10/17 00:41:51					2565
		EW	2021/10/17 00:59:42	2021/10/17 01:00:17	0:00:35	-0.105	0.001	0.001	
2021/11/4	orbit maintenance maneuver(*1)	UNLD	2021/11/4 04:39:51	2021/11/4 04:42:55					2565
		EW	2021/11/4 04:59:41	2021/11/4 05:00:18	0:00:37	-0.108	0.001	0.001	
2021/11/25	orbit maintenance maneuver(*1)	UNLD	2021/11/25 17:18:54	2021/11/25 17:22:54					2559
		NS	2021/11/25 17:38:51	2021/11/25 17:45:09	0:06:18	-0.025	6.155	0.062	
2021/11/26	orbit maintenance maneuver(*1)	UNLD	2021/11/26 06:39:42	2021/11/26 06:41:50					2559
		EW	2021/11/26 06:59:39	2021/11/26 07:00:21	0:00:43	-0.127	0.001	0.001	
2021/12/19	orbit maintenance maneuver(*1)	UNLD	2021/12/19 16:39:42	2021/12/19 16:44:06					2558
		EW	2021/12/19 16:59:39	2021/12/19 17:00:20	0:00:41	-0.123	0.001	0.001	
2022/1/8	orbit maintenance maneuver(*1)	UNLD	2022/1/8 13:51:57	2022/1/8 13:55:49					2552
		NS-1	2022/1/8 14:11:51	2022/1/8 14:15:22	0:03:31	0.003	3.436	0.010	
		NS-2	2022/1/8 15:19:15	2022/1/8 15:22:46	0:03:31	0.008	3.436	0.018	
2022/1/9	orbit maintenance maneuver(*1)	UNLD	2022/1/9 04:39:49	2022/1/9 04:41:49					2552
		EW	2022/1/9 04:59:43	2022/1/9 05:00:16	0:00:33	-0.098	0.001	0.001	
2022/1/29	orbit maintenance maneuver(*1)	UNLD	2022/1/29 07:39:49	2022/1/29 07:43:33					2551
		EW	2022/1/29 07:59:41	2022/1/29 08:00:18	0:00:37	-0.108	-0.002	0.000	
2022/2/18	orbit maintenance maneuver(*1)	UNLD	2022/2/18 11:42:12	2022/2/18 11:45:32					2546
		NS	2022/2/18 12:02:03	2022/2/18 12:07:26	0:05:23	-0.006	5.254	-0.006	
2022/2/19	orbit maintenance maneuver(*1)	UNLD	2022/2/19 16:39:48	2022/2/19 16:41:56					2546
		EW	2022/2/19 16:59:43	2022/2/19 17:00:16	0:00:33	-0.097	0.001	0.001	
2022/3/13	orbit maintenance maneuver(*1)	UNLD	2022/3/13 03:39:48	2022/3/13 03:42:44					2546
		EW	2022/3/13 03:59:40	2022/3/13 04:00:19	0:00:39	-0.118	-0.002	0.001	
2022/4/2	orbit maintenance maneuver(*1)	UNLD	2022/4/2 20:51:48	2022/4/2 20:54:36					2542
		NS	2022/4/2 21:11:41	2022/4/2 21:16:08	0:04:27	0.013	-4.649	-0.001	
2022/4/3	orbit maintenance maneuver(*1)	UNLD	2022/4/3 08:39:48	2022/4/3 08:41:56					2542
		EW	2022/4/3 08:59:39	2022/4/3 09:00:20	0:00:41	-0.121	-0.002	0.000	
2022/4/25	orbit maintenance maneuver(*1)	UNLD	2022/4/25 16:39:47	2022/4/25 16:42:03					2541
		EW	2022/4/25 16:59:39	2022/4/25 17:00:20	0:00:41	-0.121	-0.002	0.001	
2022/5/16	orbit maintenance maneuver(*1)	UNLD	2022/5/16 17:57:07	2022/5/16 17:59:47					2536
		NS	2022/5/16 18:17:00	2022/5/16 18:23:19	0:06:19	0.007	-6.530	0.052	
2022/5/17	orbit maintenance maneuver(*1)	UNLD	2022/5/17 04:39:47	2022/5/17 04:41:55					2536
		EW	2022/5/17 04:59:40	2022/5/17 05:00:19	0:00:39	-0.115	-0.002	0.001	
2022/6/8	orbit maintenance maneuver(*1)	UNLD	2022/6/8 03:39:46	2022/6/8 03:42:50					2535
		EW	2022/6/8 03:59:41	2022/6/8 04:00:18	0:00:37	-0.112	-0.002	0.000	
2022/6/28	orbit maintenance maneuver(*1)	UNLD	2022/6/28 14:33:46	2022/6/28 14:36:42					2529
		NS-1	2022/6/28 14:53:43	2022/6/28 14:57:35	0:03:52	0.010	-3.756	0.011	
		NS-2	2022/6/28 16:01:08	2022/6/28 16:04:58	0:03:51	0.008	-3.756	0.018	
2022/6/29	orbit maintenance maneuver(*1)	UNLD	2022/6/29 14:39:46	2022/6/29 14:41:46					2529
		EW	2022/6/29 14:59:37	2022/6/29 15:00:23	0:00:45	-0.136	-0.002	0.001	

The history information of QZS-3 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2022/7/18	orbit maintenance maneuver(*1)	UNLD	2022/7/18 04:39:45	2022/7/18 04:42:49					2528
		EW	2022/7/18 04:59:43	2022/7/18 05:00:17	0:00:34	-0.103	-0.002	0.000	
2022/8/7	orbit maintenance maneuver(*1)	UNLD	2022/8/7 12:27:37	2022/8/7 12:30:25					2523
		NS	2022/8/7 12:47:35	2022/8/7 12:53:11	0:05:36	0.019	-5.506	-0.007	
2022/8/8	orbit maintenance maneuver(*1)	UNLD	2022/8/8 05:39:45	2022/8/8 05:41:45					2523
		EW	2022/8/8 05:59:39	2022/8/8 06:00:21	0:00:43	-0.130	-0.002	0.001	
2022/8/29	orbit maintenance maneuver(*1)	UNLD	2022/8/29 12:39:45	2022/8/29 12:42:09					2523
		EW	2022/8/29 12:59:40	2022/8/29 13:00:19	0:00:39	-0.117	-0.002	0.000	
2022/9/17	orbit maintenance maneuver(*1)	UNLD	2022/9/17 09:46:48	2022/9/17 09:49:12					2519
		NS	2022/9/17 10:06:40	2022/9/17 10:11:31	0:04:51	0.025	-4.776	-0.017	
2022/9/18	orbit maintenance maneuver(*1)	UNLD	2022/9/18 06:39:44	2022/9/18 06:41:44					2518
		EW	2022/9/18 06:59:39	2022/9/18 07:00:20	0:00:41	-0.123	-0.002	0.001	
2022/10/10	orbit maintenance maneuver(*1)	UNLD	2022/10/10 16:09:44	2022/10/10 16:12:48					2518
		EW	2022/10/10 16:29:40	2022/10/10 16:30:19	0:00:39	-0.118	-0.002	0.001	
2022/10/30	orbit maintenance maneuver(*1)	UNLD	2022/10/30 06:57:11	2022/10/30 07:00:23					2513
		NS	2022/10/30 07:17:07	2022/10/30 07:22:54	0:05:47	0.003	-5.688	0.042	
2022/10/31	orbit maintenance maneuver(*1)	UNLD	2022/10/31 03:39:51	2022/10/31 03:41:59					2513
		EW	2022/10/31 03:59:46	2022/10/31 04:00:13	0:00:27	-0.083	-0.001	0.000	
2022/11/19	orbit maintenance maneuver(*1)	UNLD	2022/11/19 05:39:51	2022/11/19 05:43:27					2512
		EW	2022/11/19 05:59:41	2022/11/19 06:00:18	0:00:37	-0.110	-0.002	0.001	
2022/12/12	orbit maintenance maneuver(*1)	UNLD	2022/12/12 03:34:22	2022/12/12 03:38:14					2506
		NS-1	2022/12/12 03:54:18	2022/12/12 03:57:55	0:03:37	0.008	-3.570	0.017	
		NS-2	2022/12/12 05:01:43	2022/12/12 05:05:18	0:03:35	0.006	-3.570	0.024	
		UNLD	2022/12/12 14:39:50	2022/12/12 14:41:50					
		EW	2022/12/12 14:59:40	2022/12/12 15:00:19	0:00:39	-0.115	-0.002	0.000	2506
2023/1/1	orbit maintenance maneuver(*1)	UNLD	2023/1/1 01:39:50	2023/1/1 01:43:42					2506
		EW	2023/1/1 01:59:43	2023/1/1 02:00:16	0:00:33	-0.097	-0.001	0.000	
2023/1/20	orbit maintenance maneuver(*1)	UNLD	2023/1/20 13:29:02	2023/1/20 13:33:02					2500
		NS	2023/1/20 13:48:57	2023/1/20 13:55:04	0:06:07	0.000	6.118	0.013	
2023/1/21	orbit maintenance maneuver(*1)	UNLD	2023/1/21 04:39:50	2023/1/21 04:41:50					2500
		EW	2023/1/21 04:59:43	2023/1/21 05:00:16	0:00:33	-0.097	0.001	0.001	
2023/2/12	orbit maintenance maneuver(*1)	UNLD	2023/2/12 13:39:49	2023/2/12 13:43:17					2500
		EW	2023/2/12 13:59:39	2023/2/12 14:00:20	0:00:41	-0.122	0.001	0.001	
2023/3/4	orbit maintenance maneuver(*1)	UNLD	2023/3/4 10:39:57	2023/3/4 10:43:01					2495
		NS	2023/3/4 10:59:53	2023/3/4 11:05:12	0:05:19	0.001	5.363	-0.011	
2023/3/5	orbit maintenance maneuver(*1)	UNLD	2023/3/5 01:39:49	2023/3/5 01:41:57					2495
		EW	2023/3/5 01:59:45	2023/3/5 02:00:14	0:00:29	-0.089	0.001	0.001	
2023/3/25	orbit maintenance maneuver(*1)	UNLD	2023/3/25 04:39:48	2023/3/25 04:42:52					2495
		EW	2023/3/25 04:59:41	2023/3/25 05:00:18	0:00:37	-0.110	0.001	0.001	
2023/4/15	orbit maintenance maneuver(*1)	UNLD	2023/4/15 07:55:32	2023/4/15 07:57:56					2490
		NS	2023/4/15 08:15:22	2023/4/15 08:20:28	0:05:05	-0.017	5.172	0.041	
2023/4/16	orbit maintenance maneuver(*1)	UNLD	2023/4/16 13:39:48	2023/4/16 13:41:48					2490
		EW	2023/4/16 13:59:40	2023/4/16 14:00:20	0:00:41	-0.121	0.001	0.001	
2023/5/7	orbit maintenance maneuver(*1)	UNLD	2023/5/7 01:39:48	2023/5/7 01:42:20					2490
		EW	2023/5/7 01:59:41	2023/5/7 02:00:18	0:00:37	-0.110	0.001	0.001	

The history information of QZS-3 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2023/5/29	orbit maintenance maneuver(*1)	UNLD	2023/5/29 04:28:19	2023/5/29 04:31:15					2484
		NS-1	2023/5/29 04:48:13	2023/5/29 04:51:32	0:03:19	-0.006	3.379	0.029	
		NS-2	2023/5/29 05:55:37	2023/5/29 05:58:56	0:03:19	-0.014	3.379	0.034	
2023/5/30	orbit maintenance maneuver(*1)	UNLD	2023/5/30 05:39:47	2023/5/30 05:41:47				2484	
		EW	2023/5/30 05:59:38	2023/5/30 06:00:21	0:00:43	-0.127	0.001		0.001
2023/6/22	orbit maintenance maneuver(*1)	UNLD	2023/6/22 15:39:47	2023/6/22 15:42:59				2483	
		EW	2023/6/22 15:59:39	2023/6/22 16:00:20	0:00:41	-0.121	0.001		0.001
2023/7/13	orbit maintenance maneuver(*1)	UNLD	2023/7/13 01:28:34	2023/7/13 01:31:46				2477	
		NS-1	2023/7/13 01:48:32	2023/7/13 01:52:08	0:03:37	0.001	3.664		0.008
		NS-2	2023/7/13 02:55:56	2023/7/13 02:59:32	0:03:36	0.007	3.664		0.016
2023/7/14	orbit maintenance maneuver(*1)	UNLD	2023/7/14 04:39:54	2023/7/14 04:41:54				2477	
		EW	2023/7/14 04:59:44	2023/7/14 05:00:15	0:00:31	-0.091	0.001		0.001
2023/8/5	orbit maintenance maneuver(*1)	UNLD	2023/8/5 14:39:46	2023/8/5 14:42:34				2476	
		EW	2023/8/5 14:59:39	2023/8/5 15:00:21	0:00:41	-0.122	0.001		0.001
2023/8/24	orbit maintenance maneuver(*1)	UNLD	2023/8/24 23:11:13	2023/8/24 23:13:45				2471	
		NS	2023/8/24 23:31:04	2023/8/24 23:36:37	0:05:33	-0.005	5.722		-0.009
2023/8/26	orbit maintenance maneuver(*1)	UNLD	2023/8/26 03:39:53	2023/8/26 03:41:53				2471	
		EW	2023/8/26 03:59:46	2023/8/26 04:00:13	0:00:27	-0.083	0.001		0.001
2023/9/16	orbit maintenance maneuver(*1)	UNLD	2023/9/16 06:39:45	2023/9/16 06:42:09				2471	
		EW	2023/9/16 06:59:41	2023/9/16 07:00:19	0:00:39	-0.115	0.001		0.001
2023/10/6	orbit maintenance maneuver(*1)	UNLD	2023/10/6 20:22:24	2023/10/6 20:25:12				2466	
		NS	2023/10/6 20:42:15	2023/10/6 20:47:36	0:05:21	-0.003	5.517		0.020
2023/10/7	orbit maintenance maneuver(*1)	UNLD	2023/10/7 07:39:44	2023/10/7 07:41:52				2466	
		EW	2023/10/7 07:59:40	2023/10/7 08:00:19	0:00:39	-0.114	0.001		0.001
2023/10/30	orbit maintenance maneuver(*1)	UNLD	2023/10/30 15:39:44	2023/10/30 15:42:56				2466	
		EW	2023/10/30 15:59:40	2023/10/30 16:00:19	0:00:39	-0.115	0.001		0.001
2023/11/22	orbit maintenance maneuver(*1)	UNLD	2023/11/22 16:43:52	2023/11/22 16:47:44				2460	
		NS-1	2023/11/22 17:03:49	2023/11/22 17:07:16	0:03:27	-0.012	3.581		0.034
		NS-2	2023/11/22 18:11:13	2023/11/22 18:14:40	0:03:27	-0.016	3.581		0.038
2023/11/23	orbit maintenance maneuver(*1)	UNLD	2023/11/23 03:39:43	2023/11/23 03:41:51				2459	
		EW	2023/11/23 03:59:40	2023/11/23 04:00:19	0:00:39	-0.118	0.001		0.001
2023/12/14	orbit maintenance maneuver(*1)	UNLD	2023/12/14 04:39:51	2023/12/14 04:43:43				2459	
		EW	2023/12/14 04:59:41	2023/12/14 05:00:18	0:00:37	-0.112	0.001		0.001
2024/1/5	orbit maintenance maneuver(*1)	UNLD	2024/1/5 13:48:15	2024/1/5 13:52:07				2452	
		NS-1	2024/1/5 14:08:07	2024/1/5 14:12:06	0:03:59	0.003	3.851		0.011
		NS-2	2024/1/5 15:15:31	2024/1/5 15:19:30	0:03:59	0.009	3.851		0.020
2024/1/6	orbit maintenance maneuver(*1)	UNLD	2024/1/6 14:39:51	2024/1/6 14:41:51				2452	
		EW	2024/1/6 14:59:42	2024/1/6 15:00:17	0:00:35	-0.108	0.001		0.001
2024/1/28	orbit maintenance maneuver(*1)	UNLD	2024/1/28 02:39:50	2024/1/28 02:43:26				2452	
		EW	2024/1/28 02:59:41	2024/1/28 03:00:18	0:00:37	-0.110	-0.002		0.000
2024/2/15	orbit maintenance maneuver(*1)	UNLD	2024/2/15 23:36:54	2024/2/15 23:40:30				2447	
		NS	2024/2/15 23:56:49	2024/2/16 00:02:00	0:05:11	0.025	-5.243		-0.015
2024/2/17	orbit maintenance maneuver(*1)	UNLD	2024/2/17 04:39:42	2024/2/17 04:41:50				2447	
		EW	2024/2/17 04:59:35	2024/2/17 05:00:24	0:00:49	-0.145	-0.002		0.001

The history information of QZS-3 operation

date	event	history							mass(kg) (*2)
			start(UT)	stop(UT)	duration	ΔV_x	ΔV_y	ΔV_z	
2024/3/12	orbit maintenance maneuver(*1)	UNLD	2024/3/12 08:39:49	2024/3/12 08:42:53					2447
		EW	2024/3/12 08:59:39	2024/3/12 09:00:20	0:00:41	-0.123	-0.002	0.000	
2024/4/2	orbit maintenance maneuver(*1)	UNLD	2024/4/2 20:31:41	2024/4/2 20:34:21					2442
		NS	2024/4/2 20:51:33	2024/4/2 20:57:26	0:05:53	0.008	-5.992	0.014	
2024/4/3	orbit maintenance maneuver(*1)	UNLD	2024/4/3 16:39:41	2024/4/3 16:41:49					2442
		EW	2024/4/3 16:59:38	2024/4/3 17:00:21	0:00:43	-0.132	-0.002	0.001	
2024/4/26	orbit maintenance maneuver(*1)	UNLD	2024/4/26 15:39:48	2024/4/26 15:41:56					2441
		EW	2024/4/26 15:59:40	2024/4/26 16:00:19	0:00:39	-0.119	-0.002	0.001	

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

(*2) This information includes the analysis error.