

Orbit	Date Perihelion	Time (UTC) Perihelion	Center dist. (million km)	Surface dist. (million km)	Measurment Date	Temperature (°C)	Density (protons/cm3)	Date Difference (days)
1	11/6/2018	3:28	24.819	24.123	11/6/2018	696	400	0
2	4/4/2019	22:41	24.819	24.123	4/4/2019	696	125	0
3	9/1/2019	17:51	24.818	24.122	8/30/2019	696	100	2
4	1/29/2020	9:38	19.393	18.697	1/29/2020	823	1000	0
5	6/7/2020	8:24	19.392	18.696	6/7/2020	823	1000	0
6	9/27/2020	9:17	14.159	13.463	9/28/2020	1009	200	-1
7	1/17/2021	17:40	14.159	13.463	1/16/2021	1009	1300	1
8	4/29/2021	8:48	11.114	10.418	4/30/2021	1174	5000	-1
9	8/9/2021	19:12	11.114	10.418	8/7/2021	1174	800	2
10	11/21/2021	8:26	9.238	8.542	11/17/2021	1314	80	4
11	2/25/2022	15:37	9.238	8.542	2/26/2022	1314	2500	-1
12	6/1/2022	22:51	9.238	8.542	5/31/2022	1314	800	1
13	9/6/2022	6:05	9.238	8.542	9/7/2022	1314	630	-1
14	12/11/2022	13:17	9.239	8.543	12/10/2022	1314	2000	1
15	3/17/2023	20:32	9.24	8.544	3/16/2023	1314	1000	1
16	6/22/2023	3:47	9.24	8.544	6/24/2023	1314	630	-2
17	9/27/2023	23:29	7.956	7.26	9/26/2023	1438	800	1
18	12/29/2023	1:11	7.956	7.26	12/31/2023	1438	500	-2
19	3/30/2024	2:23	7.956	7.26	4/1/2024	1438	300	-2