

L1 Data												L2_time	L2 Data														
L1_time	B_x(nT)	B_y(nT)	B_z(nT)	B_tot(nT)	n(#/cc)	T(°K)	V_x(km/s)	V_y(km/s)	V_z(km/s)	V_tot(km/s)	P_dyn(nPa)		B_x(nT)	B_y(nT)	B_z(nT)	B_tot(nT)	n(#/cc)	T(°K)	V_x(km/s)	V_y(km/s)	V_z(km/s)	V_tot(km/s)	Rmp(Re)	Rbs(Re)			
23:00	3.49	-0.21	1.34	3.76	8.36	11858.57	-338.23	-17.22	-20.66	339.30	1.61	00:13	15.09	-1.11	50.69	52.92	0.81	10362413.56	1.14	-17.35	2.25	23.21	8.74	11.14	70.23		
23:05	3.58	-0.87	1.72	4.08	8.92	13291.19	-338.57	-18.89	-18.02	339.59	1.72	00:18	11.75	-1.45	51.00	52.43	2.48	6462357.71	11.61	-23.32	-4.15	32.45	8.64	11.02	70.11		
23:10	3.68	-0.66	1.90	4.22	9.40	12898.78	-337.99	-21.64	-18.65	339.20	1.81	00:23	11.45	-2.40	50.03	51.41	4.09	3699910.57	25.74	-27.68	-7.63	40.09	8.57	10.93	70.03		
23:15	3.63	-0.42	2.44	4.40	9.31	12579.06	-338.80	-20.55	-17.55	339.88	1.80	00:28	12.11	-0.69	47.99	49.53	1.31	9728683.18	12.21	-10.86	-4.62	26.30	8.58	10.94	70.04		
23:20	3.55	-0.47	2.15	4.18	9.66	13475.06	-336.08	-20.05	-20.53	337.31	1.84	00:33	9.79	-3.48	49.53	50.74	6.32	4503764.71	-19.40	42.11	-10.72	68.40	8.55	10.90	70.00		
23:25	3.68	-0.85	2.38	4.46	10.23	14278.74	-337.30	-18.11	-20.22	338.39	1.96	00:38	10.61	-1.57	46.01	47.30	3.24	6958589.10	29.65	-46.42	-15.14	60.62	8.46	10.78	69.89		
23:30	3.55	-0.53	1.64	3.95	8.96	12063.33	-339.36	-20.30	-19.56	340.55	1.73	00:43	12.52	0.19	48.25	49.96	0.34	21437804.80	4.38	-16.46	-6.08	32.90	8.63	11.00	70.10		
23:35	3.59	-0.99	1.82	4.15	9.23	13881.67	-340.86	-23.92	-23.19	342.49	1.81	00:48	-0.73	5.91	19.04	30.91	9.56	11193759.53	-44.09	49.98	-45.45	97.78	8.57	10.93	70.03		
23:40	3.56	-0.14	1.69	3.95	8.65	12876.70	-334.17	-25.95	-24.59	336.08	1.63	00:53	-7.96	6.75	-22.76	26.52	25.46	1669322.74	-78.03	89.54	-43.33	128.68	8.72	11.12	70.20		
23:45	3.55	-0.72	1.85	4.09	9.26	13614.95	-333.30	-26.83	-21.69	335.08	1.74	00:58	-3.70	4.18	-17.48	18.88	33.87	1455656.60	-82.62	81.55	-49.79	128.14	8.63	11.00	70.10		
23:50	3.59	-1.53	1.24	4.12	11.15	19198.92	-327.33	-26.59	-20.35	329.04	2.02	01:03	-7.04	-0.10	-23.08	24.68	28.05	1483569.04	-68.52	85.36	-47.38	119.99	8.42	10.73	69.84		
23:55	3.77	-0.99	0.35	4.08	10.04	17810.88	-327.68	-28.42	-21.84	329.64	1.82	01:08	-6.85	2.97	-26.30	27.68	24.59	1493082.23	-78.32	89.52	-34.86	124.55	8.56	10.91	70.01		
00:00	3.66	0.75	-0.28	3.77	9.20	14599.07	-329.70	-26.98	-25.93	331.82	1.69	01:13	-6.59	0.16	-25.32	26.91	24.90	1616076.70	-78.87	86.24	-38.65	123.82	8.67	11.05	70.14		
00:05	3.43	1.92	-0.58	3.98	8.77	12798.83	-329.75	-22.66	-23.54	331.37	1.61	01:18	-5.76	0.80	-24.18	25.20	28.21	1428014.32	-87.63	88.22	-34.17	129.35	8.74	11.14	70.23		
00:10	3.47	1.04	-0.57	3.74	8.99	12427.68	-327.96	-24.10	-22.75	329.64	1.63	01:23	-1.41	-4.15	-16.09	18.94	32.60	1430157.84	-73.00	84.97	-30.75	116.45	8.72	11.12	70.20		
00:15	3.65	0.83	0.61	3.84	9.11	13545.61	-328.34	-22.41	-22.39	329.87	1.66	01:28	-7.70	5.35	-18.50	21.10	27.71	1426864.48	-78.27	83.99	-33.05	119.84	8.70	11.09	70.18		
00:20	3.71	1.41	1.07	4.12	9.73	14479.65	-332.09	-36.47	-24.82	335.19	1.83	01:33	-6.57	8.19	-20.26	22.98	26.82	1382736.42	-83.14	79.72	-30.70	119.60	8.56	10.91	70.01		
00:25	3.78	1.67	1.84	4.53	10.06	15581.47	-331.06	-27.93	-26.27	333.28	1.86	01:38	-4.72	3.92	-16.48	17.99	30.47	1390125.42	-85.93	80.81	-28.80	121.72	8.53	10.87	69.97		
00:30	3.81	0.99	0.83	4.23	9.50	15270.86	-330.01	-23.30	-25.33	331.80	1.75	01:43	-4.40	2.44	-16.38	17.99	32.74	1427213.56	-94.04	76.98	-33.80	126.46	8.62	10.99	70.09		
00:35	3.89	0.60	0.19	3.95	9.48	14336.65	-330.90	-25.19	-25.26	332.82	1.75	01:48	-3.77	1.86	-17.89	18.73	33.73	1440281.38	-94.08	81.62	-36.39	129.95	8.61	10.98	70.08		
00:40	3.89	1.24	0.76	4.17	10.78	17803.51	-330.15	-20.60	-19.99	331.42	1.98	01:53	-0.86	-2.78	-13.34	14.98	36.13	1489001.84	-101.00	81.12	-34.64	134.31	8.44	10.76	69.87		
00:45	3.84	1.05	0.99	4.19	10.86	16321.82	-329.53	-22.89	-19.27	330.91	1.99	01:58	-2.32	-1.28	-15.25	15.98	37.43	1446356.49	-97.25	78.16	-37.45	130.56	8.44	10.76	69.86		
00:50	3.77	1.57	0.88	4.22	12.04	17634.23	-328.58	-30.08	-19.72	330.56	2.20	02:03	-5.24	6.37	-10.31	14.73	43.16	1312240.09	-94.04	79.09	-27.53	126.86	8.30	10.58	69.68		
00:55	4.12	2.04	-1.53	4.85	10.65	16480.92	-330.03	-28.28	-17.05	331.68	1.96	02:08	-2.99	2.65	-12.45	14.15	40.05	1399599.24	-94.59	77.89	-34.43	127.75	8.46	10.78	69.89		
01:00	4.29	1.83	-2.30	5.33	10.82	17346.09	-332.84	-29.63	-20.49	334.79	2.03	02:13	-1.50	-2.20	-16.16	16.59	36.77	1486637.28	-101.36	81.85	-36.86	135.60	8.41	10.72	69.83		
01:05	4.05	1.06	-2.33	4.80	11.51	17430.53	-333.76	-30.72	-18.47	335.68	2.17	02:18	0.54	-7.09	-14.01	16.04	40.73	1436091.86	-111.80	77.13	-37.14	140.94	8.32	10.60	69.71		
01:10	4.10	1.16	-2.13	4.77	12.00	18674.54	-331.60	-29.15	-21.59	333.60	2.23	02:23	3.06	-9.43	-13.47	17.17	46.68	1452951.95	-127.67	77.86	-38.30	155.08	8.27	10.55	69.66		
01:15	5.02	2.59	-3.57	6.69	14.95	21498.82	-345.30	-32.49	-26.70	348.02	3.18	02:28	1.90	-4.64	-5.40	7.41	15.05	353668.60	-344.21	-18.24	-34.70	348.08	7.87	10.03	69.11		
01:20	8.01	3.12	-5.62	10.29	24.47	34304.73	-369.31	-29.82	-39.54	372.66	5.67	02:33	2.39	-5.58	-3.84	7.34	11.95	288479.19	-357.56	-26.30	-35.96	360.38	7.08	9.03	67.93		
01:25	7.43	3.38	-6.34	10.35	24.72	39067.56	-369.32	-30.42	-38.39	372.57	5.73	02:38	2.56	-5.55	-3.21	7.00	12.79	285779.71	-356.32	-28.91	-36.56	359.37	7.07	9.02	67.91		
01:30	7.18	2.49	-6.64	10.09	25.28	37547.55	-367.31	-38.43	-30.05	370.54	5.80	02:43	3.50	-5.41	-0.44	6.51	14.17	284550.47	-352.46	-26.51	-31.72	354.88	7.06	9.00	67.89		
01:35	7.13	1.69	-6.56	9.86	26.60	38777.90	-366.68	-38.76	-30.52	370.05	6.08	02:48	3.20	-5.38	0.11	6.31	15.05	285524.19	-352.76	-27.68	-29.59	355.08	7.00	8.93	67.79		
01:40	6.92	1.60	-5.73	9.16	27.33	35903.45	-379.86	-32.32	-40.40	383.41	6.71	02:53	1.37	-5.88	-1.38	6.68	14.70	293727.43	-360.19	-23.49	-37.54	363.02	6.89	8.78	67.60		
01:45	6.83	1.20	-5.13	8.65	27.77	34552.12	-377.94	-33.03	-43.47	381.91	6.76	02:58	2.20	-7.09	-0.59	7.58	13.89	290773.11	-360.95	-28.60	-37.03	363.98	6.88	8.77	67.59		
01:50	7.46	2.47	-5.83	9.91	31.00	34229.50	-378.92	-28.89	-44.83	382.66	7.58	03:03	0.78	-5.58	-1.87	6.27	14.45	296409.58	-364.36	-29.85	-39.52	367.75	6.75	8.60	67.36		
01:00	7.65	2.77	-5.30	9.73	30.33	38477.92	-380.93	-33.43	-43.18	384.86	7.51	03:08	0.48	-6.76	-1.55	7.21	14.25	304857.43	-366.07	-29.91	-38.74	369.38	6.76	8.62	67.38		
01:05	7.37	3.78	-6.21	10.36	29.27	44001.14	-379.16	-34.24	-49.76	383.98	7.21	03:13	0.33	-6.10	-0.62	7.13	15.03	310340.28	-366.95	-30.45	-40.05	370.42	6.81	8.68	67.46		
01:10	7.54	2.74	-5.91	10.00	29.90	47425.02	-376.10	-42.09	-40.66	380.73	7.23	03:18	3.11	-6.50	-2.19	7.59	15.70	300733.55	-363.31	-33.19	-37.96	366.82	6.80	8.67	67.45		
01:15	10.02	0.65	-9.66	13.98	30.74	45585.23	-373.65	-44.75	-36.69	378.10	7.34	03:23	2.37	-7.57	0.31	8.25	15.34	298317.87	-365.67	-38.54	-36.19	369.50	6.79	8.65	67.42		
01:20	10.87	1.83	-10.67	15.34	32.86	53493.15	-378.40	-44.22	-36.50	382.79	8.05	03:28	1.41	-8.24	-1.16	8.53	14.73	297540.05	-368.49	-39.36	-43.14	373.13	6.68	8.52	67.24		
01:25	10.57	1.16	-9.94	14.58	31.45	40111.16	-388.89	-51.04	-46.56	395.02	8.20	03:33	1.55	-9.81	-0.41	10.00	13.55	292852.38	-369.80	-39.93	-44.76	374.64	6.66	8.49	67.20		
01:30	11.04	2.45	-10.44	15.45	29.47	33027.35	-383.54	-50.08	-47.48	389.70	7.47	03:38	2.39	-9.60	1.87	10.20	13.78	270863.10	-360.58	-41.35	-39.83	365.13	6.76	8.62	67.39		
01:35	11.46	0.32	-11.33	16.12	28.97	35084.52	-381.83	-52.86	-46.10	388.25	7.29	03:43	2.39	-9.57	1.69	10.09	13.47	275428.21	-362.76	-41.36	-41.36	367.46	6.79	8.66	67.44		
01:40	11.08	0.66	-11.05	15.66	30.17	32431.30	-379.87	-49.79	-55.34	387.19	7.55	03:48	2.36	-9.63	0.00	10.17	13.37	266968.32	-358.56	-38.21	-50.89	364.18	6.75	8.61	67.37		
01:45	11.00	0.85	-10.94	15.54	29.61	29986.97	-373.48	-51.51	-56																		