

TABLE 1
PARAMETERS OF DETECTED MSL VORTICES

Sol	LTST	ΔP	$N\sigma$	1σ Dur	FWHM	P_{av}	T_{av}
14	15:51:15	0.34	4.4	10	5.7	693.4	253.2
25	10:29:27	0.68	7.3	18	10.5	745.6	237.6
27	10:31:54	0.40	6.4	3	2.3	744.8	234.1
27	10:45:33	0.38	5.5	21	5.6	741.8	233.5
27	11:21:35	0.40	4.8	8	4.5	735.3	240.6
31	10:53:60	0.48	6.6	17	9.7	744.6	236.9
37	11:42:55	1.52	12.2	13	4.9	739.4	244.7
37	12:29:38	0.40	5.5	16	3.1	729.3	252.3
38	13:29:32	0.41	5.6	6	3.8	719.6	253.9
40	11:41:01	1.00	8.3	16	5.9	742.9	244.6
41	13:43:25	0.62	6.2	15	6.4	717.4	255.3
48	12:43:52	0.70	4.7	21	12.2	736.5	254.8
52	10:43:51	0.45	6.1	8	3.8	764.3	239.1
54	13:55:40	0.42	5.6	22	16.5	733.8	257.6
57	12:57:41	0.30	3.6	13	4.2	746.5	253.1
59	14:56:39	0.65	8.9	9	4.0	732.2	262.3
60	10:43:23	0.39	3.9	2	0.0	774.1	238.0
60	12:58:04	1.03	9.8	11	5.5	751.8	255.1
60	13:15:46	0.35	4.4	5	3.8	749.5	253.9
61	15:34:24	0.36	5.7	9	6.5	730.5	265.0
63	13:24:36	0.40	5.3	6	2.8	749.6	256.4
65	8:44:44	0.37	5.5	9	4.2	804.2	222.1
72	15:05:27	0.55	8.2	11	5.8	746.3	264.9
75	11:43:10	1.08	6.9	10	3.7	783.0	247.1
75	11:50:53	2.41	15.4	5	2.3	781.8	248.7
78	13:07:06	1.55	12.4	23	4.4	770.9	255.4
85	10:23:59	0.56	5.2	6	4.0	809.5	240.3
86	11:16:31	0.66	5.7	10	4.9	803.1	244.9
86	11:41:39	0.86	5.9	16	10.6	798.4	247.1
87	10:33:50	0.62	7.0	10	4.7	810.2	240.5
87	11:51:53	0.54	4.2	23	10.5	797.2	252.1
87	12:21:39	0.31	4.4	5	3.3	792.5	260.2
88	11:00:30	1.38	11.0	13	3.1	810.8	244.3
88	11:30:52	0.89	9.0	12	7.2	804.5	248.6
89	10:31:18	0.68	9.5	6	2.8	815.9	237.6
90	10:09:57	0.49	5.6	11	7.9	819.5	236.5
90	14:45:20	0.31	4.3	8	6.3	777.0	263.8
91	12:57:42	0.80	9.3	8	5.0	797.3	254.7
92	12:39:13	0.60	5.8	7	0.0	799.0	254.0
93	12:43:59	0.68	7.6	16	7.5	798.6	253.7
95	9:44:23	0.53	7.2	6	3.2	835.9	242.7
95	10:04:07	0.43	6.0	22	5.5	832.0	245.0
96	15:35:58	0.55	5.5	41	15.3	782.3	267.8
98	12:09:32	0.58	6.3	7	3.5	816.0	251.6
98	12:55:01	0.70	8.1	10	4.2	806.6	256.9
100	10:54:29	1.29	8.6	22	9.5	820.0	244.4
101	11:08:55	1.29	13.1	4	2.9	816.2	246.1
102	12:01:10	0.80	8.5	20	7.7	811.7	251.2
106	11:46:36	0.87	6.9	26	12.5	839.9	249.8
106	12:27:55	0.93	9.2	13	2.8	825.6	253.5
109	13:36:04	0.44	6.4	12	6.5	803.5	262.6
110	15:41:23	0.41	5.2	5	3.9	785.8	262.2
111	15:27:32	0.97	10.3	38	4.1	789.4	263.4
117	12:05:50	0.52	7.0	5	3.2	849.1	253.3
120	12:30:49	0.36	4.8	10	4.8	849.8	251.8
120	12:55:28	0.37	5.5	7	4.9	843.2	261.3
120	13:18:52	0.70	5.7	54	14.0	836.4	264.9
120	15:28:20	0.73	7.2	11	5.7	813.6	267.2
121	12:28:33	0.39	5.4	7	3.5	851.1	252.5
122	11:32:43	0.92	9.9	20	3.6	865.7	245.9
123	10:16:56	0.55	7.6	9	3.4	891.6	237.8
123	11:45:52	1.05	11.6	8	3.5	867.0	246.0
126	11:47:21	1.13	8.3	31	13.6	871.7	247.0
127	12:10:28	0.58	5.3	50	13.6	868.6	257.5
128	13:31:58	0.68	6.8	23	3.1	847.1	265.6
130	11:24:52	0.80	6.9	11	5.3	883.2	245.2
131	12:27:42	0.43	5.7	7	4.4	865.8	253.1
132	11:28:41	0.83	7.8	24	7.9	882.2	247.9
132	11:30:36	0.49	4.5	13	5.5	881.9	246.1
133	11:42:49	0.95	9.0	18	9.0	881.2	246.4
134	13:14:21	0.96	7.0	17	10.7	860.5	254.6
136	11:57:12	0.49	6.7	17	3.8	883.6	247.7
147	11:47:26	0.54	6.2	14	8.8	903.0	251.7
147	12:03:06	0.34	4.1	11	6.1	898.7	248.7
147	12:18:13	0.54	7.2	16	3.8	895.0	254.2
148	12:14:50	0.54	5.7	23	8.9	893.1	250.1

TABLE 1 — *Continued*

Sol	LTST	ΔP	$N\sigma$	1σ Dur	FWHM	P_{av}	T_{av}
150	9:15:30	0.77	9.0	16	7.4	942.4	229.2
156	11:30:36	1.46	6.5	43	17.2	916.4	246.2
158	11:24:32	0.79	8.1	18	7.1	919.3	245.4
158	11:57:31	0.63	4.5	5	4.3	910.6	247.6
158	12:33:40	0.75	6.1	35	20.3	901.5	250.7
163	11:30:53	0.88	9.0	19	7.2	915.8	253.1
169	11:55:19	0.65	9.0	11	4.9	910.9	248.0
170	12:11:45	1.22	10.2	18	8.1	909.0	246.1
172	13:41:46	0.36	5.4	15	7.1	885.7	262.0
182	13:11:01	0.56	6.1	5	3.6	891.9	256.4
186	9:02:14	0.50	7.6	5	2.2	947.1	230.2
186	11:35:18	0.89	7.2	19	8.9	913.1	242.1
186	11:48:36	0.73	6.9	16	7.3	909.4	247.1
187	8:46:44	0.33	5.2	13	7.6	948.4	228.8
188	13:17:12	2.20	9.4	23	9.5	891.1	259.0
199	15:05:37	0.49	7.1	4	3.1	863.7	269.7
231	7:45:47	0.63	5.5	46	13.5	922.9	217.9
232	14:24:29	0.52	4.7	3	3.1	848.0	260.0
237	12:25:53	0.90	7.6	8	3.9	866.5	252.7
245	15:50:30	0.64	6.4	6	3.2	830.9	258.9
259	14:15:14	0.43	6.9	8	3.2	830.6	269.6
271	15:12:23	0.87	7.7	31	11.4	802.9	263.1
275	12:37:36	0.79	9.3	9	4.5	833.8	248.2
275	12:37:60	0.76	9.0	11	4.4	833.7	247.6
277	13:11:32	1.27	15.3	10	2.3	825.6	258.5
282	14:21:00	0.90	7.4	32	18.5	812.2	256.7
290	12:23:06	0.52	6.4	20	11.6	832.5	244.7
290	14:17:27	0.75	8.4	10	6.1	810.9	260.3
295	15:15:33	0.63	6.4	20	9.1	804.4	255.0
298	11:05:35	0.74	8.9	4	2.1	847.5	235.6
298	13:01:45	0.89	10.7	16	4.2	824.2	251.4
298	14:24:53	0.43	5.9	14	7.7	810.8	261.7
298	15:06:57	0.90	6.3	31	19.3	805.6	261.5
302	9:06:22	0.37	5.5	13	8.1	872.0	221.8
302	11:06:49	0.54	5.6	7	5.8	841.5	239.6
302	15:31:04	0.61	6.4	14	8.4	798.1	258.0
303	10:18:18	0.58	7.6	17	5.5	854.3	236.3
305	11:38:25	1.00	9.8	14	6.8	837.9	244.2
307	10:13:37	0.50	5.6	6	4.3	856.6	234.9
308	14:35:51	0.55	6.1	10	5.4	808.0	261.5
310	11:45:36	0.76	6.8	8	5.2	834.7	240.2
316	11:29:21	0.38	3.8	9	8.7	841.7	242.3
316	12:45:56	0.53	4.5	15	10.7	826.3	247.3
318	10:47:15	0.45	4.9	11	3.5	847.6	241.1
320	12:19:03	0.52	6.3	19	4.1	827.2	249.2
320	13:47:55	0.65	7.7	19	9.6	812.3	261.4
322	11:33:54	0.47	5.0	24	8.6	839.4	244.2
323	11:00:36	1.20	9.1	17	7.1	842.9	234.2
323	11:43:51	2.16	14.6	11	2.6	835.9	247.3
324	10:44:26	0.50	7.4	8	2.7	848.4	236.1
325	9:52:04	0.74	10.3	23	4.1	859.6	230.8
325	10:14:03	1.14	9.7	24	8.9	853.5	234.3
326	11:31:17	0.48	5.8	5	2.9	839.5	246.0
327	11:22:40	0.71	6.4	16	8.5	840.7	245.9
327	12:16:44	0.88	10.5	6	2.6	830.5	250.4
327	14:00:52	0.66	8.1	12	7.5	811.1	252.4
328	11:25:02	1.04	8.7	20	8.6	841.0	241.7
329	10:19:00	0.76	6.2	9	6.2	849.6	238.7
331	12:08:23	0.91	10.4	18	5.1	833.3	248.4
334	12:54:29	0.57	5.3	7	4.2	828.0	251.9
341	11:19:52	1.22	10.5	17	7.1	847.1	238.1
343	12:14:39	0.58	8.2	6	2.5	837.9	240.5
343	12:33:42	0.48	6.7	11	7.7	834.0	242.6
346	14:17:06	0.59	8.6	8	3.0	818.3	254.3
346	14:51:12	0.41	6.2	18	8.5	814.2	258.6
348	11:56:05	0.60	8.0	23	9.1	840.9	240.5
349	10:11:37	0.51	6.2	27	7.9	858.2	230.4
351	11:28:45	0.64	5.9	43	19.1	846.0	236.5
351	11:49:35	0.73	8.2	15	2.5	843.2	237.7
351	12:21:54	0.47	6.4	3	2.2	837.9	239.1
354	12:16:14	0.39	5.0	10	9.0	845.0	239.0
355	15:33:54	0.31	4.8	7	4.4	815.5	262.2
357	11:40:21	0.85	7.2	21	12.4	850.6	245.4
358	11:44:52	0.72	8.6	9	4.5	851.2	241.6
367	9:48:36	0.51	5.8	21	13.8	876.6	225.9
371	11:39:13	0.33	4.2	10	6.4	856.7	233.2
371	11:45:37	0.83	10.6	11	2.3	856.0	234.5

TABLE 1 — *Continued*

Sol	LTST	ΔP	$N\sigma$	1σ Dur	FWHM	P_{av}	T_{av}
376	12:55:08	1.28	10.1	17	4.4	851.6	242.2
379	11:40:57	0.81	8.8	11	5.8	861.9	237.7
379	12:04:45	0.51	6.3	7	2.5	859.0	236.6
380	12:32:46	0.34	4.9	7	4.2	856.8	243.0
380	14:44:01	0.67	8.9	11	4.4	834.7	250.2
384	12:23:20	0.80	9.7	11	2.9	862.4	238.9
386	11:44:51	0.50	4.6	17	9.2	865.8	239.0
392	12:51:30	0.65	7.5	8	3.0	859.5	243.6
401	12:17:44	0.65	5.7	24	10.3	868.4	240.8
402	12:14:30	1.09	9.6	14	7.6	870.3	237.2
403	11:55:26	0.91	8.3	22	4.0	873.1	239.5
403	12:39:34	2.86	15.0	12	5.1	867.7	240.2
410	12:07:54	0.68	8.1	13	4.3	876.2	240.1
416	13:03:47	1.03	10.0	18	6.3	871.1	243.8
418	13:01:01	0.65	8.1	7	4.3	873.6	243.4
420	10:25:20	0.74	8.6	20	9.7	898.0	220.9
420	11:55:13	1.63	15.2	8	2.6	882.1	234.5
423	12:48:05	0.52	6.4	15	7.0	874.4	241.3
431	12:08:41	0.50	6.3	16	4.6	882.3	236.8
434	9:34:25	0.70	10.1	10	4.3	917.3	213.7
455	12:42:13	0.36	5.2	9	5.2	890.1	230.3
464	12:13:42	2.21	15.9	9	3.5	897.5	234.1
466	12:42:34	0.39	5.9	23	8.4	893.7	229.8
466	13:38:18	0.40	5.4	17	11.6	885.9	233.6
474	11:10:40	0.41	6.0	7	4.5	902.5	229.6
490	12:37:22	0.34	5.1	8	5.6	888.6	232.9
492	12:11:18	0.47	6.8	5	3.1	891.9	234.4
505	12:16:55	0.69	8.7	7	3.1	883.3	233.7
508	13:38:16	0.49	6.3	18	9.4	869.0	232.0
509	12:52:25	0.54	5.5	7	5.0	875.2	234.1
523	12:23:28	0.42	6.3	4	3.5	865.6	234.9
525	12:39:47	1.27	12.0	15	4.2	861.1	227.0
526	13:14:14	0.60	7.3	9	3.5	856.8	231.2
528	11:40:09	0.51	8.1	7	3.3	867.4	225.8
529	13:57:39	0.66	7.2	9	3.7	848.6	239.5
531	13:52:12	0.34	5.9	9	5.5	846.8	235.7
537	13:21:26	0.77	8.5	17	4.5	842.0	231.7
546	12:55:53	1.01	10.6	17	5.9	835.5	228.6
547	11:03:32	0.45	5.6	35	14.4	847.7	220.7
550	13:10:49	1.21	11.3	17	4.3	827.7	235.3
553	12:39:09	1.15	15.2	6	1.4	829.1	229.6
568	12:48:58	0.46	6.4	14	7.6	805.8	227.9
570	11:38:45	0.43	5.3	8	5.4	814.5	222.9
573	14:44:46	0.49	7.9	4	2.0	789.8	237.9
576	12:47:32	0.67	8.3	19	5.5	797.2	235.1
576	13:07:35	0.44	6.0	16	11.3	794.6	239.9
577	10:35:20	0.42	7.4	7	2.8	813.0	224.4
579	13:19:19	0.75	10.6	4	2.2	789.7	242.0
582	12:59:16	0.63	7.5	15	8.4	786.1	239.2
583	12:42:26	0.55	6.9	18	8.8	788.1	240.5
589	10:23:12	0.40	5.6	4	2.3	801.2	216.9
593	12:47:57	0.35	4.9	6	4.6	777.7	238.4
599	11:23:58	0.36	5.0	3	2.6	781.6	224.5
607	12:28:15	0.32	4.4	5	2.5	763.6	235.6
610	12:06:56	0.43	5.6	5	3.6	765.1	238.9
610	12:08:03	0.34	4.4	6	3.5	764.9	239.4
620	11:31:40	0.31	4.8	6	2.9	757.5	237.2
631	12:24:32	0.52	5.7	16	3.5	741.5	237.0
635	12:07:36	0.41	4.6	11	8.8	739.9	235.6
636	11:57:54	0.35	4.9	4	3.1	739.9	239.1
639	11:31:48	0.38	4.6	5	2.8	740.4	230.9
639	11:39:40	0.52	6.2	11	2.7	739.6	231.2
639	12:10:22	0.52	5.0	35	15.5	736.4	233.4
645	11:40:33	0.42	4.5	22	15.2	736.8	239.4
646	14:26:11	0.37	4.7	32	9.8	719.5	245.7
647	12:44:05	0.43	4.5	24	12.3	732.3	239.3
652	12:16:42	0.38	3.9	8	5.3	735.4	241.2
652	12:32:57	0.35	4.2	6	4.9	734.0	245.0
655	11:19:14	0.34	4.8	7	5.5	737.3	236.6
659	10:35:02	0.60	5.9	5	2.6	737.6	238.8
661	11:50:08	0.38	4.6	14	8.0	722.3	243.8
661	11:52:45	0.35	4.2	7	5.3	722.0	242.2
661	11:59:32	0.34	4.2	5	2.6	721.0	243.8
663	12:09:10	0.39	5.1	12	8.0	718.7	246.9
664	10:37:00	0.40	5.0	16	8.3	732.1	236.6
664	12:04:11	0.68	4.2	4	2.5	719.4	244.2
664	12:21:57	0.81	4.0	14	8.1	717.1	246.9

TABLE 1 — *Continued*

Sol	LTST	ΔP	$N\sigma$	1σ Dur	FWHM	P_{av}	T_{av}
664	12:35:09	1.07	5.4	4	2.1	715.9	247.2
665	12:07:37	0.43	3.8	13	6.1	725.5	248.0
666	12:24:45	0.39	4.7	7	5.4	723.1	249.4
668	10:11:13	0.36	5.1	18	9.2	745.0	233.0
670	11:43:57	0.58	5.0	19	9.8	725.1	245.9
685	14:40:15	0.69	5.3	15	10.8	700.6	269.2
688	11:48:05	0.39	4.4	4	4.1	732.6	246.6
688	12:14:33	0.36	4.5	15	12.2	729.4	246.9
695	11:42:48	0.69	6.9	6	2.9	726.6	248.8
695	12:04:36	0.42	5.5	16	9.1	723.3	252.1
697	14:39:17	0.48	6.4	14	9.9	703.9	268.8
700	11:39:29	0.43	6.1	7	3.4	734.8	248.2
702	9:42:22	0.42	5.0	12	8.2	759.1	233.6
705	14:56:16	0.34	5.2	13	5.7	706.0	256.1
706	12:03:05	0.48	5.1	12	6.3	735.6	243.9

NOTE. — Parameters of the 245 MSL vortices detected between sols 1 and 707. Columns denote (1) sol, (2) local true solar time (LTST) with format hr:min:sec, (3) pressure drop magnitude ΔP in pascals, (4) pressure drop magnitude in number of standard deviations $N\sigma$ (unitless) where σ is determined for a session from the polynomial-subtracted pressure values (see Section 3), (5) 1σ duration in seconds, (6) full width half maximum (FWHM) in seconds, (7) average pressure P_{av} in pascals, and (8) average temperature T_{av} in kelvin.