date	start	end	kind of event	freq. range
90.09.14	1340.0	1419.3	II, IIIG	40 – 90
90.10.01	1319.9	1327.3	II, C, U, IIIB	120 – 170
90.10.10	0654.9	0658.8	II, IIIG	100 – 170
90.10.15	1226.8	1239.0	DCIM, II, C, IIIB	50 – 800
90.12.10	0749.0	0758U	II, IIIG	100 – 170
90.12.14	1333.9E	1343.3	II, IIIG	60 – 450
90.12.20	0722.8U	0743.7	II, IV, P, RS	40 – 130
90.12.23	0947.5	1000.0	IV, IIIG, II	40 – 400
90.12.30	1315U	1347U	IIIG, IV, II	100 – 350
91.01.08	1415.3	1416.5	II?	120 – 170
91.01.18	1403.1	1421.6	IV, II, HARM	40 – 800
91.02.01	1144.4	1157.0	IIIG, IV, II	40 – 90
91.02.19	1230.8	1239.4	II?	50 – 90
91.02.25	0812.3	0843.5U	IIIGG, RSG, IV, II	40 – 400
91.03.02	0735.2	0736.7	UNCLF, II?	120 – 150
91.03.04	1359.5	1413.8	UGG, II, H, HARM, IV	50 – 800
91.03.05	0940.9	0943.5	II	40 – 140
91.03.07	0747.3	1500U	UGG, IV, II, HARM, IIIGG, P, I, DC	40 – 800
91.03.12	1237.5	1257.1	U, IIIGG, IV, II, H, HARM, RS	40 – 800
91.03.16	1047.9	1105.7	SPIKES, IIIGG, IV, II, C, Z	40 – 800
91.03.16	1239.1	1259.2	IIIGG, IV, P, II?, SPIKES	40 – 550
91.03.22	0828.8	0850.3U	IIIGG, IV, II, H	40 – 400
91.03.22	1146.1	1203.5	IIIGG, V, II?, IV	40 – 400
91.03.23	1227.0U	1247.0	IV, P, Z, F, IIIGG, II?	40 – 800
91.03.29	0641.8	0701.1	SPIKES, IIIGG, U, IV, II, H, HARM	40 – 800
91.04.02	1001.6	1021.0	IIIG, RS, UG, II, H, HARM, IV	40 – 700
91.04.11	1113.4	1142.5	IIIGG, II, H, HARM, IV, P	70 – 800
91.04.20	0959U	1023.0U	IV, II, H, P	40 – 170
91.04.29	1408.5	1416.0	II	100 – 170
91.05.09	0717.0U	0753U	II, H	40 – 170
91.05.16	0645.8	0737U	IIIGG, U, IV, II	40 – 800
91.05.30	0937.0	0940.7	IIIB, RS, II, H, HARM	150 – 800
91.06.01	1502.9	1504.8	II?	200 – 400
91.06.02	1412U	1757U	IV, IIIG, II?, C, P, F, Z	100 – 800
91.06.07	0616.5	0623U	II	40 – 90
91.06.10	1356.6U	1411.4U	IIIGG, II, HARM	40 – 400
91.06.15	0814.2	1146U	II, H, HARM, IV, UG, IIIGG, P	40 – 800
91.06.21	0836.7	0907.0	IIIGG, RS, IV, II, H, HARM	40 – 500
91.06.21	1237U	1252U	II?	40 – 90
91.06.28	0800.7	0813.0	U, IIIGG, IV, II, H, HARM	40 – 300
91.06.28	1428.9	1435.8	IIIGG, IV, II, HARM, RSG	40 – 600
91.07.05	1002.8	1012.6	IIIGG, RS, IV, II, H	40 – 400
91.07.10	1203U	1531U	IIIGG, IV, II, U, I, F, Z	40 – 400
91.07.11	1036.3	1042.0	II	40 – 70
91.07.17	0627E	0652U	IIIGG, IV, II, H, HARM, RS	40 – 800
91.07.22	0946.0	1456U	IIIG, IV, U, II, H, HARM, P, RS	40 – 800
91.09.02	1000.9	1005.5	II	40 – 60
91.09.08	0912.8	1015	IIIG, V, II, H, HARM, IV	40 – 350
91.09.24	0750.5	0923U	IV, H, U, IIIGG	60 – 800
91.10.05	0757.7	0823U	IIIG, IV, II, HARM	40 – 800

date	start	end	kind of event	freq. range
91.10.30	0628E	0820U	II, IV	100 – 170
91.12.26	0759.6U	0906.0U	II?, IV, IIIGG	40 – 400
91.12.26	0932.0	1014.2	IIIGG, IV, II, U, P	40 – 800
91.12.27	1106.7E	1125.5	IV, II, HARM, IIIG	40 – 800
91.12.28	1226.4	1227.3	II?	250 – 400
91.12.30	1013U	1035.3	IIIG, IV, II, HARM, SPIKES	40 – 800
92.01.09	1240.3	1245.3	II, IV	100 – 400
92.02.02	0857.6	0951U	IIIGG, IV, II, H, P	50 – 800
92.02.07	1144.4	1319U	IIIG, IV, U, II?	40 – 800
92.02.27	0951.2	1045U	IIG, H, HARM, IV, P, IIIG, Z, F, UG	40 – 800
92.03.09	1336.4	1354.5	II, H, IV, F, IIIGG, RS	120 – 350
92.03.11	0905.9	0906.4	II?, (UNCLF)	100 – 300
92.04.30	0808.0	0809.4	II?	40 – 50
92.05.07	0643.6	0654.5U	II, H, C	40 – 90
92.06.08	0828.5	1115U	II, HARM, IV, I, F, P, Z, RS, IIIGG	40 – 800
92.06.09	0605E	0639U	IIIG, IV, II, I, P, U?	100 – 800
92.06.16	0925.1	0927.5	II?	70 – 130
92.07.16	0727.0	0731U	(II, H)?	200 – 400
92.08.03	0831.8	0837.0U	II?	200 – 400
92.07.14	1016.1	1040.7	IIIGG, RS, IV, P, II, H, HARM	40 – 400
92.08.10	1127.8	1128.5	II?	300 – 500
92.09.03	0930.8	0932.2	II	100 – 150
92.09.11	0604.6	0615U	IIIGG, IV, II, H, HARM	50 – 500
92.10.01	1039.1	1103U	IIIGG, II, H, HARM	40 – 400
92.10.06	0950.1	1007.5U	IIIG, II?	40 – 170
92.10.06	1043.9	1046.0	IIIG, V, II?	40 – 400
92.10.20	0909.5	0928U	IIIGG, IV, II, H, HARM, RSG	40 – 800
92.10.28	1007.9U	1155U	IIIGG, IV, II, H, HARM, RS, P	40 – 800
92.11.09	1114.6	1120.5	IIIGG, (IV, II)?	40 – 170
92.12.09	1117.8	1125.2	II, H, HARM, IIIGG	100 – 600
92.12.30	0818.8	0832U	IIIGG, IV, II, RS, SPIKES	40 – 300
92.12.30	1031.8	1040U	II, HARM, C	40 – 90
93.01.01	1150.6	1158.0	IIIGG, IV, II, H, HARM, RS, SPIKES	40 – 500
93.01.01	1335.6	1353.0	IIIGG, RS, IV, II, H, U	40 – 400
93.01.07	0828.1	1005U	(II, HARM)?, IV, DCIM, P	60 – 800
93.01.15	0923.2	0930.6U	IV, II, H, U?	100 – 500
93.02.18	0933.4	1019.6	II?, IIIGG, I, RS, C	40 – 400
93.02.18	1048.3	1111U	IIIG, IV, II, H, HARM	40 – 400
93.03.04	1213.8	1311.9	IIIGG, IV, II?, U	40 – 500
93.03.19	1242.4	1321.0U	II?, IIIGG, RS	40 – 400
93.03.29	1019.2	1046.4	IIIGG, RS, II?	40 – 700
93.03.29	1251.3	1258.1	IV, IIIGG, U, II?	80 – 700
93.04.30	1427	1432	II	40 – 70
93.05.25	1513.0	1516.3	II	40 – 90
93.05.26	1029.2	1033.8	II?, I, IIIGG, RS	40 – 600
93.06.07	1410.4	1529U	IIIGG, IV, II, H, HARM, Z	40 – 170
93.07.22	0852.2	0915.8	II, H, HARM	40 – 150
93.09.27	1207.1	1219U	IIIG, II, H, HARM, P, DCIM	40 – 800
93.12.27	0911.6	0918.1	IIIG, II, HARM	110 – 500
93.12.28	1208.1	1218.5	IIIG, II, H, HARM	40 – 700

no.	date no. of day	universal time	structure	$\left\langle \frac{\Delta f}{f} \right\rangle$	$\langle D_{\mathrm{f}} \rangle$ [MHz/s]	freq. range [MHz]	$\left\langle \frac{f_{\mathrm{H}}}{f_{\mathrm{F}}} \right\rangle$
1	90.09.14 257	1341–1349	F IIIGG, II	0.27 ± 0.05	−0.063 ± 0.002	66 – 50	
2	90.10.01 274	1325–1328	F IIIB, II	0.29 ± 0.06	−0.048 ± 0.023	63 – 55	—
3	90.10.10 283	0657–0659	F? IIIG, II	0.19 ± 0.03	−0.23 ± 0.01	145 – 110	—
4	90.10.15 288	1229–1231	F? II, IIIB	0.27 ± 0.05	−0.25 ± 0.02	143 – 103	—
5	90.12.10 344	0749–0803	F, H IIIG, II, IIIG	0.53 ± 0.13 — | 0.53	−0.10 ± 0.04 — | −0.10	81 – 45	2.03 ± 0.07 — | 2.03
6	90.12.14 348	1335–1343	F, H IIIG, II	0.30 ± 0.12 0.20 | 0.43	−0.28 ± 0.11 −0.34 | −0.22	125 – 110	1.94 ± 0.07 — | 1.94
7	90.12.20 354	0725–0730	F, H RS, II, IV	0.16 ± 0.04 0.14 | 0.18	−0.07 ± 0.04 −0.08 | −0.07	53 – 41	1.99 ± 0.13 1.87 | 2.11
8	90.12.23 357	0949–0957	F, H IV, IIIGG, II	0.36 ± 0.16 0.38 | 0.36	−0.18 ± 0.05 −0.22 | −0.15	122 – 43	1.97 ± 0.23 1.85 | 2.06
9	90.12.30 364	1321–1324	H IIIG, IV, II	0.35 ± 0.02 — | 0.35	−0.23 ± 0.06 — | −0.23	≈ 140	—
10	91.01.18 18	1411–1421	F? VI, II	0.12 ± 0.04	−0.19 ± 0.07	156 – 52	—
11	91.02.01 32	1451–1456	F IIIG, IV, II	0.13 ± 0.04	−0.11 ± 0.01	82 – 55	—
12	91.02.25 56	0834–0838	F IIIGG, IV, II	0.30 ± 0.05	−0.07 ± 0.03	60 – 42	—
13	91.03.04 63	1402–1405	F, H UGG, IV, II	0.48 ± 0.39 0.20 | 0.75	−0.26 ± 0.02 −0.28 | −0.25	133 – 103	1.81 ± 0.40 2.09 | 1.52
14	91.03.05 64	0941–0943	F, H II	0.16 ± 0.05 — | 0.16	−0.10 ± 0.02 — | −0.10	≈ 90 – 60	—
15	91.03.07 66	0756–0758	F, H IV, II, IIIGG	0.23 ± 0.08 0.17 | 0.28	−0.09 ± 0.08 −0.08 | −0.10	53 – 40	2.06 ± 0.05 2.10 | 2.03
16	91.03.12 71	1252–1257	F, H IIIGG, IV, II	0.39 ± 0.10 0.39 | 0.31	−0.08 ± 0.01 −0.10 | −0.06	62 – 46	2.08 ± 0.08 2.05 | 2.12
17	91.03.22 81	0844–0852	F? IIIGG, IV, II	0.25 ± 0.12 0.25 | —	−0.13 ± 0.03 −0.13 | —	118 – 63	—
18	91.03.23 82	1237–1239	H? IV, IIIGG	0.11 ± 0.03 — | 0.11	−0.19 ± 0.03 — | −0.19	160 – 150	—
19	91.03.29 88	0649–0657	F, H IV, II, IIIGG	0.52 ± 0.26 0.26 | 0.78	−0.12 ± 0.02 −0.10 | −0.14	≈ 100 – 49	1.80 ± 0.59 2.22 | 1.38
20	91.04.02 92	1007–1009	F, H IIIG, II, IV	0.47 ± 0.20 0.33 | 0.61	−0.14 ± 0.03 −0.17 | −0.11	68 – 50	2.10 ± 0.07 2.10 | —
21	91.04.11 101	1116–1118	F, H IIIGG, II, IV	0.32 ± 0.21 0.17 | 0.46	−0.36 ± 0.02 −0.37 | −0.34	149 – 101	1.82 ± 0.30 2.03 | 1.61
22	91.04.20 110	1007–1008	F? IV, II	—	−0.33 ± 0.10	80 – 43	—
				fund. | harm.	fund. | harm.		upper | lower

no.	date no. of day	universal time	structure	$\left\langle \frac{\Delta f}{f} \right\rangle$	$\langle D_\mathrm{f} \rangle$ [MHz/s]	freq. range [MHz]	$\left\langle \frac{f_\mathrm{H}}{f_\mathrm{F}} \right\rangle$
23	91.04.29 119	1409–1411	F? II	0.29 ± 0.04	-0.12 ± 0.06	120 – 107	—
24	91.05.09 129	0717–0721	F? II	0.20 ± 0.03	-0.08 ± 0.01	129 – 108	—
25	91.05.16 136	0708–0712	F IIIGG, IV, II	0.18 ± 0.07	-0.01 ± 0.004	55 – 49	—
26	91.05.30 150	0939–0941	F, H IIIB, II	0.31 ± 0.10 — | 0.31	-0.48 ± 0.07 -0.41 | -0.55	225 – 198	2.01 ± 0.06 2.01 | —
27	91.06.02 153	1416–1418	F? IV, IIIG, II	0.16 ± 0.02	-0.13 ± 0.01	123 – 109	—
28	91.06.07 158	0617–0618	F? II	0.59 ± 0.07	-0.09 ± 0.05	52 – 45	—
29	91.06.10 161	1401–1407	F, H IIIGG, II	0.38 ± 0.10 0.36 | 0.43	-0.08 ± 0.02 -0.10 | -0.06	74 – 47	2.07 ± 0.10 2.08 | 2.07
30	91.06.15 166	0816–0821	F, H II, IV, IIIGG	—	-0.37 ± 0.03 -0.35 | -0.39	83 – 41	—
31	91.06.21 172	1237–1241	F II	0.12 ± 0.03	-0.04 ± 0.02	55 – 49	—
32	91.06.21 172	0849–0851	F IIIGG, IV, II	0.30 ± 0.12	-0.11 ± 0.08	55 – 42	—
33	91.06.28 179	0809–0811	F, H IIIGG, IV, II	0.45 ± 0.10 0.45 | —	-0.13 ± 0.01 -0.13 | -0.12	66 – 40	—
34	91.07.05 186	1008–1009	F? IIIGG, IV, II	0.25 ± 0.03	-0.15 ± 0.01	121 – 108	—
35	91.07.10 191	1218–1221	F? IIIGG, IV, II	0.07 ± 0.02	-0.14 ± 0.01	137 – 107	—
36	91.07.11 192	1036–1042	F II	0.27 ± 0.08	-0.04 ± 0.02	54 – 46	—
37	91.07.17 198	0639–0651	H IIIGG, IV, II	0.33 ± 0.05	-0.022 ± 0.001	40	—
38	91.07.22 203	1005–1014	F, H IIIG, IV, U, II	0.33 ± 0.04 0.33 | 0.33	-0.06 ± 0.06 -0.06 | -0.07	63 – 44	2.16 ± 0.08 — | 2.16
39	91.09.02 245	1001–1005	F II	0.17 ± 0.05	-0.04 ± 0.02	49 – 42	—
40	91.09.08 251	0917–0927	F, H IIIG, V, II, IV	0.38 ± 0.07 0.33 | 0.42	-0.10 ± 0.04 -0.12 | -0.08	80 – 50	2.05 ± 0.21 1.90 | 2.13
41	91.09.24 267	0752–0800	H? IV, II, IIIGG	0.41 ± 0.08	-0.18 ± 0.1	133 – 52	—
42	91.12.26 360	0949–0955	F IIIGG, IV, II	0.32 ± 0.04	-0.049 ± 0.004	67 – 54	—
43	91.12.27 361	1114–1117	F, H IV, II, IIIG	0.31 ± 0.06 — | 0.31	-0.05 ± 0.03 -0.05 | -0.05	58 – 51	2.09 ± 0.06 2.05 | 2.13
44	91.12.30 364	1022–1031	F? IIIG, IV, II	—	-0.09 ± 0.03	81 – 51	—
				fund. | harm.	fund. | harm.		upper | lower

no.	date no. of day	universal time	structure	$\left\langle \frac{\Delta f}{f} \right\rangle$	$\langle D_f \rangle$ [MHz/s]	freq. range [MHz]	$\left\langle \frac{f_H}{f_F} \right\rangle$
45	92.02.02 33	0910–0915	H IIIGG, IV, II	—	-0.07 ± 0.03	≈ 50	—
46	92.02.27 58	0951–0954	F, H	0.48 ± 0.40 0.19 | 0.76	-0.32 ± 0.08 −0.24 | −0.39	113 – 56	1.88 ± 0.09 1.94 | 1.81
47	92.05.07 128	0643–0651	F II	0.27 ± 0.02	-0.043 ± 0.022	58 – 44	—
48	92.07.14 196	1025–1029	F? IIG, IV, IIIG	—	-0.27 ± 0.13	≈ 100	—
49	92.08.03 216	0832–0835	H? II	0.37 ± 0.05	-0.22 ± 0.06	155 – 125	—
50	92.09.03 247	0931–0932	F? II	—	-0.21 ± 0.05	113 – 110	—
51	92.09.11 255	0607–0610	F? IIIGG, IV, II	0.23 ± 0.05	-0.39 ± 0.08	160 – 120	—
52	92.10.01 275	1048–1052	F, H IIIGG, II	0.38 ± 0.10 0.39 | 0.30	-0.07 ± 0.04 −0.08 | −0.06	50 – 42	2.17 ± 0.13 — | 2.17
53	92.10.20 294	0915–0924	F, H IIIGG, IV, II	0.74 ± 0.16 — | 0.74	-0.13 ± 0.06 −0.18 | −0.07	47 – 41	2.20 ± 0.10 2.20 | —
54	92.10.28 302	1011–1021	F, H IIIGG, IV, II	0.25 ± 0.02 0.23 | 0.26	-0.07 ± 0.02 −0.09 | −0.05	54 – 42	2.06 ± 0.09 2.06 | —
55	92.12.29 364	1118–1123	F, H IIIGG, II	—	-0.38 ± 0.03 −0.40 | −0.35	154 – 106	1.83 ± 0.11 — | 1.83
56	92.12.30 365	1034–1039	F IIIG, IV, II	0.32 ± 0.08	-0.071 ± 0.004	64 – 49	
57	93.01.01 1	1344–1348	F III, IV, II, RS	0.42 ± 0.17	-0.25 ± 0.01	128 – 63	—
58	93.01.15 15	0927–0930	F? IV, II	0.34 ± 0.06	-0.37 ± 0.06	165 – 115	—
59	93.04.30 120	1428–1432	F II	0.24 ± 0.04	-0.068 ± 0.004	54 – 45	—
60	93.05.25 145	1514–1517	F II	0.27 ± 0.02	-0.060 ± 0.005	53 – 48	—
61	93.06.07 158	1425–1435	F, H	0.49 ± 0.16 0.42 | 0.51	-0.06 ± 0.03 −0.07 | −0.05	50 – 43	2.12 ± 0.07 — | 2.12
62	93.07.22 203	0853–0903	F, H	0.31 ± 0.10 — | 0.31	-0.05 ± 0.04 −0.05 | −0.05	66 – 48	2.11 ± 0.10 — | 2.11
63	93.09.27 270	1210–1218	F, H IIIG, II, DC	0.38 ± 0.02 0.36 | 0.40	-0.23 ± 0.02 −0.22 | −0.25	136 – 54	1.95 ± 0.11 2.02 | 1.87
64	93.12.27 361	0915–0918	F, H IIIG, II	0.20 ± 0.06 0.16 | 0.24	-0.20 ± 0.05 −0.16 | −0.25	134 – 114	1.98 ± 0.08 2.03 | 1.92
65	93.12.28 362	1212–1216	F, H IIIG, II	0.67 ± 0.12 — | 0.67	-0.38 ± 0.08 −0.46 | −0.30	120 – 65	1.99 ± 0.11 2.07 | 1.91
	average			0.32 ± 0.14 0.26 | 0.41	-0.16 ± 0.11 −0.16 | −0.17		2.01 ± 0.11 2.04 | 1.95
				fund. | harm.	fund. | harm.		upper | lower