Table 1. Observations of the 6GHz OH maser transitions in AGB stars

IRAS Source	Other Name	Type[1]	Observed Coordinates J2000.0 [3] R.A. h m s	Dec. ° ′ ″	Observed Velocity Range, LSR ($km.s^{-1}$)	Sensitivity [2](Jy) (at 3σ) 6GHz LCP
$02232+6138$	W3(OH)	UCHII	2:27:03.866	+61:52:24.82	-939/+998,(−45.0)	E
$20081+3122$	ON1	UCHII	20:10:09.073	+31:31:34.40	-894/1043,(+00.0)	E
$00007+5524$	Y Cas	Mira main	00:03:21.605	+55:40:48.21	-911/1026,(−17.0)	0.08
$01037+1219$	IRC+10011	OH/IR Moderate	01:06:25.965	+12:35:53.07	-886/1051,(+08.0)	0.07
$02168-0312$	OMI Cet	Mira main	02:19:20.679	−02:58:39.21	-848/1089,(+46.0)	0.06
$02192+5821$	S Per	SG	02:22:51.689	+58:35:11.76	-932/1005,(−38.0)	0.08
$02251+5102$	RR Per	Mira main	02:28:29.318	+51:16:17.60	-894/1043,(+00.0)	0.08
$02420+1206$	RU Ari	Mira sat	02:44:45.184	+12:19:08.15	-874/1063,(+20.0)	0.07
$03206+6521$	OH 138.0+7.2	OH/IR Moderate	03:25:08.552	+65:32:05.42	-931/1006,(−37.5)	0.08
$03293+6010$	OH 141.0+3.5	OH/IR Moderate	03:33:30.528	+60:20:09.10	-951/986,(−57.2)	0.07
$03507+1115$	IK Tau	Mira sat	03:53:28.983	+11:24:20.02	-861/1076,(+33.0)	0.05
$05073+5248$	NV Aur	OH/IR Moderate	05:11:19.747	+52:52:27.79	-891/1046,(+02.9)	0.08
$05131+4530$	RAFGL 712	OH/IR Moderate	05:16:47.103	+45:34:03.76	-926/1011,(−32.3)	0.09
$05528+2010$	U Ori	Mira sat	05:55:49.264	+20:10:30.77	-933/1004,(−39.5)	0.04
$05559+7430$	V Cam	Mira main	06:02:32.779	+74:30:27.26	-887/1050,(+06.5)	0.07
$06297+4045$	OH 174.7+13.5	OH/IR Moderate	06:33:14.921	+40:42:49.71	-910/1027,(−16.3)	0.08
$06363+5954$	U Lyn	Mira main	06:40:46.320	+59:52:00.23	-904/1033,(−10.0)	0.07
$06500+0829$	GX Mon	Mira sat	06:52:42.408	+08:25:23.33	-905/1032,(−11.0)	0.06
$07209-2540$	VY Cma	SG	07:22:58.17	−25:46:02.95	-872/1065,(+22.0)	0.07
$07399-1435$	OH231.8+4.2	PPN	07:42:16.738	−14:42:14.04	-878/1059,(+16.0)	0.06
$07422+3054$	AU Gem	Mira Main	07:45:27.590	+30:46:43.11	-890/1047,(+04.0)	0.04
$07585-1242$	U Pup	Mira sat	08:00:50.596	−12:50:31.88	-912/1025,(−18.0)	0.04
$08005+2356$		OH/IR Late	08:02:59.186	+23:45:33.23	-888/1049,(+05.7)	0.07
$08357-1013$	OH235.3+18.1	OH/IR Moderate	08:38:08.805	−10:24:16.95	-894/1043,(+00.0)	0.07
$09425+3444$	R Lmi	Mira main	09:45:34.314	+34:30:42.91	-894/1043,(+00.0)	0.14
$09448+1139$	R Leo	Mira main	09:47:33.446	+11:25:43.52	-893/1044,(+01.0)	0.05
$10580-1803$	R Crt	SR	11:00:33.822	−18:19:29.54	-884/1053,(+10.0)	0.05
$12562+2324$	T Com	Mira sat	12:58:38.600	+23:08:23.03	-879/1058,(+15.0)	0.07
$13001+0527$	RT Vir	SR	13:02:37.908	+05:11:08.56	-876/1061,(+18.0)	0.09
$14247+0454$	RS Vir	Mira sat	14:27:16.393	+04:40:40.38	-894/1043,(+00.0)	0.08
$15193+3132$	S Crb	Mira main	15:21:24.366	+31:22:02.05	-894/1043,(+00.0)	0.07
$15255+1944$	WX Ser	Mira sat	15:27:47.009	+19:34:02.33	-888/1049,(+06.0)	0.08
$16235+1900$	U Her	Mira main	16:25:47.411	+18:53:32.98	-907/1030,(−13.0)	0.05
$18006-1734$	GLMP 704	OH/IR Late	18:03:36.581	−17:34:00.59	-870/1067,(+23.9)	0.10
$18071-1727$	OH 12.8 +.9	OH/IR Late	18:10:05.813	−17:26:35.22	-868/1069,(+25.9)	0.09
$18081-0338$		OH/IR Thick	18:10:49.074	−03:38:14.46	-889/1049,(+05.6)	0.08
$18100-1915$	GLMP 740	OH/IR Thick	18:13:02.725	−19:14:20.42	-876/1061,(+17.6)	0.09
$18107-0710$		OH/IR Thick	18:13:29.720	−07:09:48.92	-876/1061,(+17.9)	0.08
$18135-1456$	OH 15.7 +.8	OH/IR Late	18:16:26.004	−14:55:13.43	-895/1042,(−01.1)	0.09

Table 1. (continue) Observations of the 6GHz OH maser transitions in AGB stars

IRAS Source	Other Name	Type [1]	Observed Coordinates J2000.0[3] R.A. h m s	Dec. ° ′ ″	Observed Velocity Range, LSR ($km.s^{-1}$)	Sensitivity [2] (Jy) (at 3σ) 6GHz LCP
$18152-0919$	OH 20.8 +3.1	OH/IR Thick	18:17:58.662	-09:18:42.44	-867/1070,(+26.7)	0.08
$18198-1249$	OH 18.3 +.4	OH/IR Late	18:22:43.046	-12:47:40.94	-846/1091,(+48.0)	0.10
$18262-0735$		OH/IR Thick	18:28:59.446	-07:33:25.44	-815/1122,(+78.9)	0.08
$18268-1117$	OH 20.4 -.3	OH/IR Thick	18:29:35.755	-11:15:53.97	-852/1085,(+41.8)	0.08
$18266-1239$	V435 Sct	OH/IR Thick	18:29:28.605	-12:37:40.55	-844/1093,(+50.0)	0.08
$18348-0526$	V437 Sct	OH/IR Thick	18:37:31.986	-05:23:59.35	-867/1070,(+27.2)	0.06
$18432-0149$	V1360 Aql	OH/IR Thick	18:45:52.691	-01:46:43.27	-828/1109,(+66.2)	0.08
$18460-0254$	V1362 Aql	OH/IR Late	18:48:40.999	-02:50:22.29	-795/1142,(+99.0)	0.09
$18488-0107$	V1363 Aql	OH/IR Late	18:51:25.772	-01:03:54.48	-818/1119,(+75.8)	0.08
$18525+0210$		OH/IR Thick	18:55:04.815	+02:14:41.21	-823/1113,(+70.2)	0.07
$18549+0208$	OH 35.6 -.3	OH/IR Thick	18:57:26.573	+02:12:11.24	-816/1121,(+77.9)	0.09
$18560+0638$	V1366 Aql	OH/IR Moderate	18:58:30.142	+06:42:55.91	-874/1063,(+19.7)	0.10
$19039+0809$	R Aql	Mira sat	19:06:22.196	+08:13:48.16	-846/1091,(+48.0)	0.09
$19065+0832$	OH 42.6 +.0	OH/IR Late	19:08:58.368	+08:37:47.08	-841/1096,(+53.1)	0.07
$19071+0946$	OH 43.8 +.5	OH/IR Thick	19:09:31.065	+09:51:54.41	-885/1052,(+09.1)	0.12
$19161+2343$		OH/IR Moderate	19:18:14.537	+23:49:26.23	-865/1072,(+28.6)	0.07
$19219+0947$	Vy 2-2	PN	19:24:22.078	+09:53:55.82	-956/981,(-44.3)	E/0.02
$19244+1115$	V1302 Aql	OH/IR Moderate	19:26:47.588	+11:21:14.77	-849/1088,(+45.0)	0.08
$19343+2926$	M1-92	PPN	19:36:16.768	+29:32:15.80	-894/1043,(+0.00)	0.24
$19352+2030$		OH/IR Thick	19:37:23.395	+20:39:21.86	-889/1048,(+05.0)	0.20
$20043+2653$	GLMP 972	OH/IR Thick	20:06:22.890	+27:02:11.23	-898/1039,(-04.6)	0.08
$20047+1248$	SY Aql	Mira sat	20:07:05.694	+12:57:07.39	-943/994,(-49.0)	0.08
NML Cyg		SG	20:46:25.941	+40:06:56.09	-894/1043,(+00.0)	0.02
$20491+4236$	OH 83.4 -.9	OH/IR Moderate	20:50:57.766	+42:48:04.31	-932/1005,(-38.4)	0.05
$21554+6204$	GLMP 1048	OH/IR Thick	21:56:58.184	+62:18:43.62	-914/1022,(-20.6)	0.06
$22177+5936$	NSV 25875	OH/IR Moderate	22:19:27.806	+59:51:21.74	-919/1017,(-25.6)	0.07
$23041+1016$	R Peg	Mira main	23:06:38.829	+10:32:37.94	-870/1067,(+24.0)	0.09
$23558+5106$	R Cas	Mira main	23:58:24.683	+51:23:18.18	-870/1067,(+24.0)	0.06

[1] UCHII: Ultra Compact HII region, SG: Supergiante, SR: Semi Regular, PN: Planetary Nebulae, PPN: Proto Planetary Nebulae.

[2] E = Emission; the upper limits correspond to 3σ.

[3] B1950 coordinates processed to J2000 within GILDAS package.