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Table 1. Source parameters

IRAS name	Other name	Ra (1950)	Dec (1950)	V_{lsr}	OH	H_2O	SiO	Type	Reference
01304 + 6211	OH127.8-0.02	01h30m27.0s	+62°11'25"	-55	x	x	x	OH/IR	1,5
03206 + 6521	OH138.0+7.2	03h20m41.6s	+65°21'31"	-37	x		x	OH/IR	2,5
03293 + 6010	OH141.7+3.5	03h29m23.6s	+60°10'04"	-57	x	x	x	OH/IR	2,6,9
04361 + 2547		04h36m09.4s	+25°47'27"	6	x	x		PMS?	1
06319 − 0501	AFGL5201	06h31m58.3s	−05°01'13"	-60	x	x		OH/IR	1
06530 − 0213		06h53m00.9s	−02°13'35"	28	x			PPN	1,10,11
07027 − 7934		07h02m45.3s	−79°34'22"	-27	x			PN	12
07131 − 0147		07h13m10.9s	−01°47'23"	0				PPN	13
07180 − 1314	AFGL5229	07h18m00.7s	−13°14'33"	0	x	x	X	OH/IR	2,9
07399 − 1435	OH231.8+4.2	07h39m58.9s	−14°35'43"	40	x	x	x	PPN	5,9,32
07536 − 2830	HU Pup	07h53m38.6s	−28°30'55"	0	x	x	X	OH/IR	2,9
07559 − 5859	HR3126	07h55m54.5s	−58°59'21"	0				PPN	28
08005 − 2356		08h00m32.5s	−23°56'16"	0	x			PPN	1,10,22
08357 − 1013	OH235.3+18.1	08h35m44.5s	−10°13'43"	0	x	x	X	?	2,9
09371 + 1212	Frosty Leo	09h37m11.2s	+12°12'30"	-20				PPN	1,30,31
09429 − 2148	IRC-20197	09h42m58.3s	−21°48'05"	40	x	x	x	OH/IR	2,9,23
10197 − 5750	Roberts 22	10h19m45.1s	−57°50'28"	0	x			PPN	3
11385 − 5517	HD101584	11h38m33.6s	−55°17'46"	40	x			PPN	29
11516 − 6201		11h51m36.6s	−62°02'00"	20	x			?	3
12358 − 6323		12h35m53.0s	−63°23'09"	-3	x			?	10,11
14086 − 0730		14h08m38.9s	−07°30'45"	-26	x		X	OH/IR	2,9
14122 − 5947		14h12m14.0s	−59°47'25"	0				PN	10,37
14341 − 6211		14h34m10.7s	−62°11'42"	-23	x			PPN	10,11
15405 − 4945		15h40m32.1s	−49°45'54"	50	x			PPN	14
16029 − 3041	OH345.0+15.7	16h02m59.7s	−30°41'30"	-4	x		x	?	2,9,41
16086 − 5255		16h08m37.8s	−52°55'37"	0				PPN	10
16235 − 4832	Hen1191	16h23m31.8s	−48°32'45"	-9				PPN	15
16342 − 3814		16h34m17.1s	−38°14'18"	50	x			PPN	14
16559 − 2957		16h55m57.3s	−29°57'11"	56	x			PPN	1,10,11
16594 − 4656		16h59m26.7s	−46°56'14"	-26				PPN	16
17103 − 3702	NGC6302	17h10m21.3s	−37°02'43"	-40	x			PN	4
17106 − 3046		17h10m39.0s	−30°46'13"	6	x			?	3
17118 − 2952		17h11m53.0s	−29°52'53"	-40	x			OH/IR	1
17150 − 3754	OH349.36-0.20	17h15m04.0s	−37°54'54"	-125	x			PN	4
17150 − 3224		17h15m04.6s	−32°24'15"	26	x			PPN	10,11,26
17163 − 3907	Hen1379	17h16m22.0s	−39°07'36"	5				PPN	15
17195 − 2710		17h19m35.5s	−27°10'45"	0				PPN	10
17207 − 2856		17h20m44.7s	−28°55'52"	-20	x			PN	4
17221 − 3038	PK356+2.1	17h22m06.1s	−30°38'05"	0	x			PN	4
17233 − 2602	OH0.1+5.1	17h23m23.0s	−26°02'27"	-143	x			PPN	10,11
17292 − 2727		17h29m15.4s	−27°27'54"	-50	x			?	1
17317 − 2743	OH359.8+2.6	17h31m44.9s	−27°43'16"	45	x			?	1
17347 − 3139		17h34m45.9s	−31°39'11"	-100	x			PN	4
17360 − 3012	OH358.16+0.5	17h36m02.3s	−30°12'49"	2	x		x	OH/IR	2,7
17371 − 2747		17h37m11.8s	−27°48'38"	115				PN (continuum pos.)	4
17371 − 2747		17h37m08.4s	−27°48'30"	115	x			PN (OH maser pos.)	4
17375 − 2759		17h37m29.4s	−27°59'29"	30				PN (continuum pos.)	4
17375 − 2759		17h37m26.7s	−28°00'04"	30	x			PN (OH maser pos.)	4
17375 − 3000		17h37m32.6s	−30°00'29"	0	x			PN	4
17385 − 3332		17h38m34.4s	−33°32'14"	-236	x			PPN	10,11
17393 − 2727	OH0.9+1.3	17h39m24.7s	−27°27'02"	-110	x			PN	4
17404 − 2713	OH1.2+1.3	17h40m29.5s	−27°13'26"	0	x			PPN	10,11
17411 − 3154		17h41m07.4s	−31°54'24"	-20	x		X	OH/IR	2,3,9
17423 − 1755	He 3-1475	17h42m18.8s	−17°55'36"	45	x			PPN	17,38

IRAS name	Other name	Ra (1950)	Dec (1950)	V_{lsr}	OH	H_2O	SiO	Type	Reference
17433 − 1750		17h43m20.6s	−17°50'43"	120	x			PPN	1,10,11
17443 − 2519		17h44m22.2s	−25°19'15"	29	x			OH/IR	2
17443 − 2949		17h44m23.8s	−29°49'44"	-10	x			PN	4
17459 − 3057		17h45m56.5s	−30°57'27"	6	x		X	OH/IR	2,9
17484 − 1511		17h48m28.2s	−15°11'41"	94	x			?	1
17505 − 3143		17h50m31.5s	−31°43'52"	4	x		X	OH/IR	2,9
17516 − 2525		17h51m37.8s	−25°26'00"	-15	x			PPN	2,24
17534 + 2603	89 Her	17h53m24.0s	+26°03'23"	-5				PPN	27,33
17565 − 2035		17h56m35.7s	−20°35'56"	204	x			?	2
17579 − 3121		17h57m59.1s	−31°21'55"	10	x			PPN	3
17580 − 3111		17h58m08.0s	−31°10'27"	20	x			PN	4
18016 − 2743		18h01m35.0s	−27°43'26"	74	x			PPN	10,11
18025 − 3906		18h02m35.0s	−39°06'16"	-116	x			PPN	3
18044 − 1947		18h04m29.1s	−19°47'06"	0	x			OH/IR	2
18055 − 1833	AX Sgr	18h05m31.4s	−18°33'38"	0	x			OH/IR	2,40
18071 − 1727	OH12.8+0.9	18h07m11.1s	−17°27'13"	24	x			PPN	2,24
18081 − 0338		18h08m11.1s	−03°38'56"	7	x			OH/IR	18
18095 + 2704		18h09m30.9s	+27°04'28"	0	x			PPN	2,25
18105 − 1935		18h10m34.7s	−19°35'53"	17	x			PPN	10,11
18107 − 0710		18h10m47.6s	−07°10'42"	18	x		X	OH/IR	1,9
18135 − 1456	OH15.7+0.8	18h13m34.5s	−14°56'19"	-1	x	x	x	PPN	5,9,19
18161 − 1713		18h16m07.4s	−17°13'23"	0				?	2
18167 − 1209	OH18.5+1.4	18h16m47.4s	−12°09'28"	175	x			?	19
18176 − 1848	OH12.8-1.9	18h17m40.0s	−18°48'33"	13	x	x	x	OH/IR	2,8,9
18257 − 1000	OH21.5+0.5	18h25m43.1s	−10°00'16"	116	x	x	x	OH/IR	2,5,9
18276 − 1431	OH17.7-2.0	18h27m39.8s	−14°31'03"	61	x	x		PPN	15
18281 + 2149	AC Her	18h28m08.8s	+21°49'50"	0				PPN	2
18298 − 2111	AFGL5501	18h29m51.2s	−21°11'54"	98	x			OH/IR	1
18303 − 0519		18h30m20.5s	−05°19'42"	0				Variable star	2
18310 − 2834		18h31m03.8s	−28°34'46"	-115	x			OH/IR	1
18314 − 2759		18h31m26.2s	−27°59'01"	22	x			?	1
18340 − 0839		18h34m03.5s	−08°39'21"	0	x		X	OH/IR	2,9
18348 − 0526	OH26.5+0.6	18h34m52.5s	−05°26'37"	27	x	x	x	OH/IR	2,5,7,9
18437 − 0643	OH26.4-1.9	18h43m45.3s	−06°43'48"	25	x	x	x	OH/IR	2,5,9
18450 − 0148	W43A	18h45m05.2s	−01°48'18"	34	x	x		PPN	20
18454 + 0250		18h45m29.9s	+02°50'50"	14	x			PMS?	1
18460 − 0254	OH30.1-0.7	18h46m04.9s	−02°53'55"	99	x	x	x	OH/IR	2,9
18479 − 2514		18h47m56.4s	−25°14'41"	-30	x			OH/IR	1
18491 − 0207		18h49m10.7s	−02°07'48"	80	x			PPN	17
18526 + 0140		18h52m39.6s	+01°40'51"	-115	x			?	2
18550 + 0130		18h55m02.5s	+01°30'50"	0			X	Variable star	2,9
18560 + 0638	OH39.7+1.5	18h56m03.9s	+06°38'50"	20	x	x	x	OH/IR	2,6
18596 + 0315	OH37.1-0.8	18h59m36.4s	+03°15'53"	84	x	x	?	PPN	5,21
19010 + 0526		19h01m05.9s	+05°27'00"	0	x			OH/IR	2
19067 + 0811	OH42.3-0.1	19h06m43.9s	+08°11'38"	64	x	x	x	PPN	5,9,21
19075 + 0921		19h07m34.0s	+09°21'56"	0	x			OH/IR	2,39
19114 + 0002	AFGL2343	19h11m25.0s	+00°02'18"	100	x			PPN	1
19127 + 1717		19h12m45.5s	+17°17'25"	16	x			PN	1,27
19134 + 2131		19h13m26.6s	+21°31'13"	-67		x		PPN	20
19161 + 2343	CRL2362	19h16m08.6s	+23°43'55"	29	x	x		OH/IR	2
19178 − 2620	CRL2370	19h17m51.4s	−26°20'16"	5	x		X	OH/IR	2,9
19190 + 1102		19h19m03.8s	+11°02'56"	-23	x	x		PMS?	1
19192 + 0922	OH44.8-2.3	19h19m13.1s	+09°22'07"	-72	x	x	x	OH/IR	2,8,9

IRAS name	Other name	Ra (1950)	Dec (1950)	V_{lsr}	OH	H_2O	SiO	Type	Reference
19219 + 0947	VY2-2	19h21m59.3s	+09°48'00"	-60	x			PN	4
19244 + 1115	IRC+10420	19h24m26.8s	+11°15'10"	78	x			Supergiant	34
19283 + 1944	OH55.0+2.7	19h28m18.1s	+19°44'19"	27	x		X	OH/IR	1,9
19288 + 2923		19h28m51.4s	+29°23'34"	-40	x	x	x	OH/IR	2,8
19297 + 2300		19h29m43.5s	+23°00'33"	11	x			PMS?	1
19343 + 2926	M1 92	19h34m17.6s	+29°25'31"	0	x			PPN	35
19352 + 2030	OH56.4-3.0	19h35m12.7s	+20°30'06"	17	x			OH/IR	1
19511 + 3935		19h51m06.9s	+39°35'34"	23		x		?	1
19566 + 3423		19h56m38.1s	+34°23'20"	-43	x	x		?	1
19576 + 2814	OH65.7+0.7	19h57m36.3s	+28°14'51"	-59	x			OH/IR	1
20043 + 2653	OH65.3-2.7	20h04m18.2s	+26°53'30"	-5	x		x	OH/IR	1,5,9
20272 + 3535	OH75.3-1.8	20h27m12.5s	+35°35'35"	-4	x			OH/IR	1
20406 + 2953		20h40m41.5s	+29°53'16"	15	x			?	1,10,11
20491 + 4236	OH83.4-0.9	20h49m09.5s	+42°36'47"	-39	x	x	x	OH/IR	2,6,9
21206 + 5145		21h20m38.7s	+51°45'46"	-100	x	x		PMS?	1
21554 + 6204		21h55m29.6s	+62°04'24"	-20	x			?	2
22036 + 5306		22h03m40.0s	+53°06'55"	-40	x			PPN	17
22177 + 5936	OH104.9+2.4	22h17m43.1s	+59°36'16"	-25	x	x	x	OH/IR	2,5
22480 + 6002		22h48m00.9s	+60°02'01"	0			X	Supergiant	2,9
23321 + 6545		23h32m06.3s	+65°45'15"	-15	x			PPN	1,10,11
23541 + 7031	M2 56	23h54m06.6s	+70°31'31"	0				PPN	36

Table 2. SiO maser observations. The epoch is given in JD+2440000, rms and peak intensity in Jy, and integrated intensities in units of 10^{-20} W m^{-2}. Only the peak flux is given for tentatively detected sources. An asterisk(*) in front of the rms value of the SiO (v=2, J=1–0) observations indicate that the calibration is uncertain due to unstable weather. An asterisk (*) in front of the epoch of the SiO (2-1) observations indicate that they were made with the Onsala 20 m telescope.

Source	SiO v=1, J=1-0				SiO v=2, J=1-0				SiO v=1, J=2-1			
	Epoch	rms	peak	Int.	Epoch	rms	peak	Int.	Epoch	rms	peak	Int.
01304 + 6211									*9344	0.4		
03206 + 6521									*9343	0.4		
03293 + 6010									*9344	0.4	2.6	2.9
04361 + 2547									8528	0.9		
06319 − 0501					9251	1.4			9387	0.3		
06530 − 0213					9251	1.3			8528	0.6		
07027 − 7934					9251	1.6			9275	0.5		
07131 − 0147					9251	1.1			8528	0.4		
07180 − 1314					9252	1.9			9387	0.5	3.0	5.1
07399 − 1435	9253	2.1	5.1		9249	1.4	8.2	4.4	8528	0.5	5.0	6.4
07536 − 2830	9253	2.1	10.4	8.4	9251	1.3	9.6	3.4	9274	1.2	7.5	18.6
07559 − 5859					9251	1.8			9387	0.6		
08005 − 2356	9253	2.1			9249	0.9			8528	0.6		
08357 − 1013	9253	2.4	13.0	9.2	9251	1.6	11.6	8.3	9274	0.9	3.8	4.2
09371 + 1212	9253	2.2			9249	1.4			8723	0.8		
09429 − 2148	9253	5.1	70.2	38.0	9251	2.6	55.0	21.1	9274	1.0	27.0	26.8
10197 − 5750	9253	1.8			9248	0.6			8723	0.5		
10197 − 5750									9274	1.0		
11385 − 5517	9253	1.2			9249	1.1			8723	0.5		
11516 − 6201					9251	1.7			9274	0.9		
12358 − 6323									9282	1.4		
14086 − 0730	9253	2.3	18.7	9.7	9252	1.6	7.0	3.1	9387	0.8	10.0	13.0
14122 − 5947									9387	0.5		
14341 − 6211									9282	1.1		
15405 − 4945	9253	2.0			9247	*0.9			8527	0.6		
16029 − 3041	9253	2.5	15.6	8.5	9249	2.2	41.0	11.9	8531	0.7	10.0	6.3
16086 − 5255									9282	1.1		
16235 − 4832	9253	2.3			9251	2.1			8530	0.6		
16342 − 3814	9253	2.0			9248	0.8			8527	0.5		
16559 − 2957					9250	1.5			8527	0.8		
16594 − 4656					9251	1.8			8911	0.5		
17103 − 6302	9253	2.3			9247	*1.0			8530	0.6		
17106 − 3046					9249	0.9			9275	1.2		
17118 − 2952					9251	2.4			8723	0.7		
17150 − 3224					9249	1.4			8911	0.8		
17150 − 3754					9249	1.0			8530	0.6		
17163 − 3907					9251	1.4			8530	0.6		
17195 − 2710									9282	1.0		
17207 − 2856					9249	0.9			8530	0.6		
17221 − 3038					9249	1.2			8531	0.6		
17233 − 2602									9282	1.0		
17292 − 2727					9251	2.2			8786	0.7		
17317 − 2743					9251	2.3			8786	0.8		
17347 − 3139					9251	1.4			8531	0.6		
17360 − 3012	9253	5.2	54.6	21.0	9250	2.7	39.8	19.2	8786	0.8	6.3	8.6
17371 − 2747	9253	1.7			9248	1.2			8527	0.5		
17371(*OH*)					9252	1.2						
17375 − 2759					9248	0.7			8531	0.5		
17375(*OH*)					9252	1.3						
17375 − 3000					9249	1.2			8533	0.6		

Source	SiO v=1, J=1-0				SiO v=2, J=1-0				SiO v=1, J=2-1			
	Epoch	rms	peak	Int.	Epoch	rms	peak	Int.	Epoch	rms	peak	Int.
17385 − 3332									9282	1.1		
17393 − 2727					9249	1.4						
17404 − 2713									9282	1.0		
17411 − 3154	9253	4.1	108.1	33.6	9250	3.1	152.9	115.5	8786	0.7	20.0	27.3
17423 − 1755					9249	1.2			8530	0.5		
17433 − 1750					9251	2.0			8531	0.5		
17433 − 1750									9382	1.0		
17443 − 2519					9250	1.3			8786	0.8		
17443 − 2949					9249	1.3			8531	0.6		
17459 − 3057					9250	2.1			8786	0.8	3.8	8.6
17484 − 1511					9251	1.9			8723	0.8		
17505 − 3143	9253	2.6	6.6	1.4	9251	1.2	3.9	2.3	8563	1.0		
17516 − 2526					9251	2.0			8723	0.8		
17534 + 2603									8723	0.9		
17565 − 2035					9252	1.7			8563	1.0		
17579 − 3121					9249	1.0			9275	1.2		
17580 − 3511					9248	1.5			8531	0.6		
18016 − 2743									9382	1.0		
18025 − 3906					9249	1.4			9282	1.0		
18044 − 1947					9252	2.1			8533	0.8		
18055 − 1833					9250	1.7			8533	0.7		
18071 − 1727					9250	2.3			8533	0.8		
18081 − 0338					9251	1.8			8563	1.1		
18095 + 2704									*9338	0.4		
18105 − 1935									9282	1.0		
18107 − 0710	9253	3.0	5.5		9252	1.5	9.0	2.1	8563	1.2		
18135 − 1456	9253	1.5	5.1		9247	0.7			8563	1.0		
18135 − 1456									*9343	0.6		
18161 − 1713					9252	1.7			8564	1.1		
18167 − 1209					9249	1.5			8911	0.4		
18176 − 1848	9253	2.2	17.2	9.8	9252	1.6	16.8	8.7	8564	1.1		
18257 − 1000	9253	2.6			9251	1.6	27.7	14.2	8564	1.0		
18276 − 1431	9253	1.6			9247	*1.0			8531	0.8		
18276 − 1431									*9344	0.4		
18281 + 2149									*9336	0.4		
18298 − 2111					9251	1.8			8533	0.7		
18303 − 0519					9252	2.1			8786	0.7		
18310 − 2834					9252	1.2			8563	1.1		
18314 − 2759					9251	1.4			8563	1.1		
18340 − 0839					9251	1.9			8786	0.6	2.5	4.0
18348 − 0526	9253	2.3	44.5	11.8	9247	*5.8	67.5	21.1	8786	0.8		
18437 − 0643	9253	2.0	5.5		9252	1.8	9.3	3.6	8533	0.9		
18450 − 0148					9248	1.3			9275	1.0		
18454 + 0250					9252	2.1			8563	1.1		
18460 − 0254	9253	3.0			9251	1.7	26.9	12.2	9275	1.2		
18479 − 2514					9251	1.2			8533	0.8		
18491 − 0207					9249	1.6			8531	0.5		
18526 + 0140									9990	0.4		
18550 + 0130					9251	1.4			9275	1.2	5.3	20.1
18560 + 0638	9253	2.7	40.2	25.4	9252	3.1	73.3	56.7	9275	1.3		
18596 + 0315	9253	1.9			9252	1.4			*9344	0.5		
19010 + 0527					9251	1.9			9275	1.2		
19010 + 0527									*9342	0.5		
19067 + 0811	9253	3.6	18.6	11.0	9251	1.5	20.7	13.5	9276	1.2		
19067 + 0811									*9342	0.8		

Source	SiO v=1, J=1-0				SiO v=2, J=1-0				SiO v=1, J=2-1			
	Epoch	rms	peak	Int.	Epoch	rms	peak	Int.	Epoch	rms	peak	Int.
19075 + 0921					9251	2.0			9275	1.3		
19075 + 0921									*9342	0.5		
19114 + 0002					9251	2.0			8563	1.1		
19127 + 1717					9251	1.3			8563	1.2		
19127 + 1717									*9344	0.4		
19134 + 2131									*9339	0.4		
19161 + 2343									*9340	0.8		
19178 − 2620	9253	2.4	19.5	13.4	9251	1.4	26.1	21.0	8533	0.8	16.3	17.5
19190 + 1102					9252	2.2			9275	1.2		
19192 + 0922	9253	2.8	17.6	4.7	9252	1.7	19.9	5.2	9276	1.1	7.5	6.5
19219 + 0947					9248	1.4			8530	0.6		
19244 + 1115					9248	1.8			8531	0.6		
19283 + 1944	9253	3.1	10.1	2.1	9251	2.4	13.3	4.8	9276	1.2		
19283 + 1944									*9342	0.8		
19288 + 2923									*9339	0.6		
19297 + 2300									*9342	0.6		
19343 + 2926									*9336	0.3		
19352 + 2030									9990	0.6		
19511 + 3935									*9338	1.2		
19566 + 3423									*9340	0.6		
19576 + 2814									*9344	0.3		
20043 + 2653									*9343	0.3	1.2	1.5
20272 + 3535									*9339	0.6		
20406 + 2953									*9340	0.5		
20491 + 4236									*9337	0.4	3.3	5.9
21206 + 5145									*9339	0.5		
21554 + 6204									*9339	0.4		
22036 + 5306									*9335	0.4		
22177 + 5936									*9340	0.5		
22480 + 6002									*9340	0.8	5.8	27.3
23321 + 6545									*9342	0.7		
23541 + 7031									*9344	0.5		