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An analysis of the observed radio emission from planetary nebulae

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Table 1. Observational data.

PN G (1)	Main Name (2)	F(1.4GHz) mJy (3)	F(5GHz) mJy (4)	ref. (5)	diameter (radio) arcsec (6)	ref. (7)	diameter (optical) arcsec (8)	ref. (9)	diameter (adopted) arcsec (10)
000.1+04.3	H 1-16	34.9	58.4	12	1.8	1	< 5.	a	2.
000.1+17.2	PC 12	15.1	19.	1	1.8	1	2.5	u	2.2
000.2 − 01.9	M 2-19	10.5	22.6	2	5.	1	10.	u	7.5
000.3+12.2	IC 4634	116.4	115.	3, 4, 5	5.5 +	3	8.6	a	5.5
000.3 − 04.6	M 2-28	12.6	10.	1	.		5.3	a, b	5.3
000.7+03.2	He 2-250	15.6	15.	6	5.	1	5.5	a	5.
000.7+04.7	H 2-11	12.8	27.7	12	1.5	12	2.7	c	1.5
000.9 − 04.8	M 3-23	30.3	28.	1	12.0 +	1	10.8	a, b	11.5
001.0+01.9	K 1- 4	21.5	25.	1	46.0 +	1	37.	a	42.
001.2+02.1	He 2-262	24.2	26.	1	3.1	1	4.	d	3.1
001.2 − 03.0	H 1-47	8.5	10.	6	2.5	1	< 5.	a	2.5
001.3 − 01.2	Bl M	9.6	17.	1	4.5	1	4.2	a	4.5
001.4+05.3	H 1-15	13.8	13.	1	4.3	1	5.3	a	4.3
001.5 − 06.7	SwSt 1	27.1	130.	3	1.3	3	< 5.	a	1.3
001.7+05.7	H 1-14	24.4	22.	1	6.5	1	6.7	a	6.5
002.0 − 06.2	M 2-33	12.3	12.	6	4.	1	5.2	a, e	5.0
002.0 − 13.4	IC 4776	37.0	64.1	4	1.6	4	8.	f	8.
002.1 − 04.2	H 1-54	13.4	31.	6	1.2	1	4.8	g, b, e	2.5
002.2 − 09.4	Cn 1-5	51.7	44.	1	7.0 +	1	< 5.	a	7.
002.4 − 03.7	M 1-38	14.9	24.	6	3.5	1	< 3.3	a	3.5
002.6+04.2	Th 3-27	14.7	13.5	5	3.2	5	10.	i	3.2
002.6+08.1	H 1-11	22.1	13.5	1, 5	6.	1, 5	4.4	a	6.
002.6 − 03.4	M 1-37	11.3	15.	6	2.5	1	ST.	h	2.5
002.7 − 04.8	M 1-42	28.6	28.5	2	9.0 +	1	9.0	a, b	9.
002.8+01.7	H 2-20	13.8	19.3	13, 5	3.4	5	3.7	a	3.5
003.1+02.9	Hb 4	158.0	168.5	1, 3	7.25+	1, 3	6.2	a	7.25
003.1+03.4	H 2-17	8.4	10.	1	4.	1	4.0	u	4.
003.5 − 02.4	IC 4673	54.1	62.	1	17.0 +	1	15.0 +	f, a	16.
003.5 − 04.6	NGC 6565	47.4	38.2	4	1.5	4	9.2	a	9.2
003.6+03.1	M 2-14	23.7	39.1	12	2.2	12	ST.	h	2.2
003.7 − 04.6	M 2-30	14.3	14.	1	3.5	1	9.0	g, b	3.5
003.9 − 02.3	M 1-35	54.7	60.5	2	4.4	1	4.4	a, b	4.4
004.6+06.0	H 1-24	5.1	14.2	1, 5	5.0	1, 5	5.1	u	5.0
004.9+04.9	M 1-25	40.3	55.	3, 4	3.2 +	3	4.6	a	3.2
005.2+05.6	M 3-12	11.4	12.5	1	7.5 +	1	6.0	a	7.5
005.5+06.1	M 3-11	11.8	10.	1	7.0 +	1	7.1	a	7.
005.8 − 06.1	NGC 6620	17.5	20.5	2	5.	1	4.7	a	5.
006.0 − 03.6	M 2-31	41.2	51.	6	4.	1	5.1	g, b, e	4.
006.1+08.3	M 1-20	33.2	48.	6, 3, 5	1.9 +	3	< 7.	i	1.9
006.2 − 03.7	KFL 15	11.4	11.2	14	.		8.5	b	8.5
006.3+04.4	H 2-18	10.1	11.	6	3.	1	3.8	a	3.5
006.4+02.0	M 1-31	29.7	60.5	2	7.0	1	2.3	u	2.3
006.8+02.3	Th 4- 7	9.1	18.4	5	7.9	5	< 6.	h	7.
006.8+04.1	M 3-15	48.4	65.	6	5.	1	4.1	a	4.5
007.0 − 06.8	VY 2- 1	32.7	37.	1	3.7	1	< 7.	a	3.7
007.2+01.8	Hb 6	190.8	243.	1, 4	6.0 +	1	5.8	a	6.
007.5+07.4	M 1-22	7.7	7.8	2	6.	1	9.	a	6.
007.8 − 04.4	H 1-65	6.1	10.	6	2.5	1	8.	h	2.5
008.2+06.8	He 2-260	8.1	13.	3	1.0 +	3	1.2	u	1.
008.2 − 04.8	M 2-42	9.8	14.	1	.		3.9	a	3.9
008.3 − 01.1	M 1-40	163.6	208.	1	4.3	1	5.1	a	4.5
008.3 − 07.3	NGC 6644	64.6	97.5	6, 4	3.	1	2.5	a, f	2.8
009.0+04.1	Th 4- 5	20.7	16.	1	7.0 +	1	6.4	d	7.
009.4 − 09.8	M 3-32	12.4	12.	1	7.5 +	1	5.9	a	7.5
009.6+14.8	NGC 6309	132.1	102.	5	30.	5	17.0 +	a, z	17.
009.8 − 04.6	H 1-67	12.6	11.6	1, 5, 2	6.8	5	5.7	a	6.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
010.1+00.7	NGC 6537	428.	644.	7	4.7	7	10.	a	4.7
010.4+04.5	M 2-17	10.7	10.	1	8.0 +	1	6.5	a	8.
010.7 – 06.4	IC 4732	12.5	32.1	4	1.2	4	3.	f	3.
010.8+18.0	M 2- 9	39.0	36.	1	46.	1	17.3	a	17.5
011.0+05.8	NGC 6439	51.8	54.5	3, 4	4.0 +	3	5.	f, a	4.
011.0+06.2	M 2-15	19.9	13.0	1, 5	7.4 +	1, 5	5.7	a	7.4
011.0 – 05.1	M 1-47	11.7	14.	1	5.5	1	4.7	a	5.5
011.1+11.5	M 2-13	10.1	13.3	3, 5	1.5 +	3	< 7.	i	1.5
011.3 – 09.4	H 2-48	32.2	68.5	1, 5	2.0	1, 5	2.	d	2.
011.9+04.2	M 1-32	70.5	61.	1	9.0 +	1	7.6	a	9.
012.5 – 09.8	M 1-62	13.6	12.8	5	1.5	5	3.7	a	1.5
012.6 – 02.7	M 1-45	15.4	19.	6	2.5	1	ST.	h	2.5
013.1+04.1	M 1-33	49.2	60.	1	3.8	1	4.9	a	4.
014.3 – 05.5	V-V 3-6	4.0	9.9	3, 5	1.0 +	3	ST.	j	1.
015.6 – 03.0	A 44	10.0	10.	1	.		52.	a	52.
015.9+03.3	M 1-39	58.6	99.9	2	4.0 +	1	<10.	a	4.
016.1 – 04.7	M 1-56	15.0	21.	1	1.4	1	<10.	a	1.5
016.4 – 01.9	M 1-46	78.4	81.	1	12.0 +	1	10.9	a	11.5
018.0+20.1	Na 1	24.0	22.5	1, 8	8.	1	5.	k	8.
018.9+03.6	M 4- 8	10.7	19.	3	1.3 +	3	ST.	h	1.3
019.2 – 02.2	M 4-10	12.2	33.	3	1.2 +	3	ST.	h	1.2
019.4 – 05.3	M 1-61	32.7	97.	3	1.8 +	3	ST.	h	1.8
019.7+03.2	M 3-25	25.2	76.	1	1.3	1	3.9	a	1.5
019.7 – 04.5	M 1-60	35.4	48.	3	2.5 +	3	<10.	h	2.5
020.7 – 05.9	Sa 1-8	13.8	11.	3	5.6 +	3	8.	i	5.6
020.9 – 01.1	M 1-51	249.	319.	1	15.0 +	1	9.1	a	15.
022.1 – 02.4	M 1-57	54.2	66.6	2	8.0 +	1	8.5	a	8.
023.8 – 01.7	K 3-11	15.0	17.	3	3.0 +	3	ST.	h	3.
023.9 – 02.3	M 1-59	90.7	108.	3	4.8 +	3	4.5	a	4.8
024.1+03.8	M 2-40	49.1	33.	1	5.5	1	5.0	a	5.5
024.2+05.9	M 4- 9	45.9	42.	1	47.0 +	1	43.0 +	a	45.
024.8 – 02.7	M 2-46	13.6	12.0	2	.		4.3	a	4.3
025.4 – 04.7	IC 1295	49.5	44.	1	109.0 +	1	92.0 +	f, a, w	100.
025.9 – 02.1	Pe 1-15	8.7	8.5	3, 4	4.8	3	5.1 +	a, w	5.0
027.3 – 02.1	Pe 1-18	7.1	42.	1	1.2	1	1.0	w	1.1
027.4 – 03.5	Vy 1- 4	20.5	22.	3	4.	3	5.3	w	4.5
027.6+04.2	M 2-43	20.9	148.	3	1.5 +	3	1.9	w	1.5
027.6 – 09.6	IC 4846	40.7	43.	3	2.9 +	3	2.	d	2.9
028.5+01.6	M 2-44	51.6	54.	1	8.0 +	1	7.5	a	8.
028.7+02.7	K 3- 7	30.1	30.	3	6.3 +	3	< 8.	h	6.3
031.0+04.1	K 3- 6	10.9	55.	3	0.7	3	ST.	h	0.7
031.0 – 10.8	M 3-34	30.4	29.	1	8.0 +	1	5.5	a	8.
031.2+05.9	K 3- 3	36.4	34.	1	11.0 +	1	8.9 +	a, w	10.
032.7 – 02.0	M 1-66	46.6	59.	3	2.7 +	3	<10.	h	2.7
032.9 – 02.8	K 3-19	12.4	23.	3	1.2 +	3	ST.	h	1.2
033.1 – 06.3	NGC 6772	79.3	73.	1	90.0 +	1	90.0 +	f	90.
033.8 – 02.6	NGC 6741	132.8	153.	4	6.2	7	8.0 +	f, a	8.
034.0+02.2	K 3-13	31.0	34.	3	3.7 +	3	ST.	h	3.7
034.6+11.8	NGC 6572	551.	1260.	9	9.7 +	9	10.8 +	f, a	10.
037.8 – 06.3	NGC 6790	53.1	242.	3, 9, 4	1.8 +	3	7.	f, a	1.8
038.2+12.0	Cn 3-1	60.0	64.8	4	3.7	4	4.5	a, l	4.5
039.5 – 02.7	M 2-47	39.1	45.	1	6.	1	6.4	a	6.
039.8+02.1	K 3-17	320.	345.	1	8.0 +	1	14.8	a	8.
040.4 – 03.1	K 3-30	12.7	23.	3	3.3 +	3	ST.	h	3.3
041.8 – 02.9	NGC 6781	380.	310.	1	130.0 +	1	110.0 +	a, f	120.
042.9 – 06.9	NGC 6807	9.3	28.5	3, 4	0.8	3	2.	d	0.8
043.1+03.8	M 1-65	21.3	23.0	2	4.0	1	3.7	a	4.
045.4 – 02.7	Vy 2- 2	6.2	40.5	10	0.6 +	10	14.	i	0.6
045.9 – 01.9	K 3-33	9.1	17.	3	1.1 +	3	ST.	h	1.1

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
046.3 − 03.1	PB 9	33.6	40.	3	9.0 +	3	5.1 +	w	7.
046.4 − 04.1	NGC 6803	69.4	88.7	4	2.4	4	5.5	f, a	5.
048.0 − 02.3	PB 10	50.7	50.	3	8.0 +	3	10.	i	8.
048.1+01.1	K 3-29	14.2	58.	3	1.	3	ST.	h	1.
050.4 − 01.6	K 4-28	5.4	19.	3	0.6 +	3	ST.	h	0.6
051.0+03.0	He 2-430	18.6	39.	3, 4	1.7 +	3	< 5.	i	1.7
051.4+09.6	Hu 2-1	43.0	108.	3, 4	1.8 +	3	2.6	l	1.8
051.9 − 03.8	M 1-73	48.1	43.5	1, 4	6.0 +	1	5.1	a	6.
052.2 − 04.0	M 1-74	7.2	29.	1	1.0	1	0.8	w	1.
052.5 − 02.9	Me 1-1	36.3	45.1	2	4.7	1	< 8.	i	4.7
052.9+02.7	K 3-31	17.3	39.	3	1.5 +	3	ST.	h	1.5
053.2 − 01.5	K 3-38	29.2	29.	1, 4	4.7	1	6.	a, w	5.
054.4 − 02.5	M 1-72	5.7	26.	3	0.7 +	3	0.8	w	0.7
055.2+02.8	He 2-432	23.2	33.5	3, 2	2.3 +	3	5.	m	2.3
055.3+02.7	He 1- 1	17.3	14.	1	8.0 +	1	8.2 +	w	8.
055.5 − 00.5	M 1-71	84.1	204.	1	2.9	1	3.8	a	3.
055.6+02.1	He 1- 2	16.1	15.	1	4.7	1	5.	a	4.7
056.0+02.0	K 3-35	14.6	40.	3	1.7 +	3	ST.	h	1.7
056.4 − 00.9	K 3-42	11.6	19.	3	1.2 +	3	3.4	a	1.2
057.2 − 08.9	NGC 6879	23.5	18.	1	5.	1	5.	a, f	5.
057.9 − 01.5	He 2-447	23.6	60.	3	1.2 +	3	5.	i	1.2
058.3 − 10.9	IC 4997	30.5	71.2	4	1.6	4	2.	f	2.
058.9+01.3	K 3-40	17.2	20.	3	4.	3	ST.	h	4.
059.4+02.3	K 3-37	14.7	17.	3	2.5	3	ST.	h	2.5
060.1 − 07.7	NGC 6886	77.9	83.9	4	.		5.5	f, a	5.5
060.5+01.8	He 2-440	26.9	43.	3	2.2 +	3	3.	i	2.2
062.4 − 00.2	M 2-48	17.0	19.	1	3.1	1	8.	a	4.
063.8 − 03.3	K 3-54	5.1	7.3	3, 4	0.8	3	ST.	h	0.8
064.7+05.0	BD+30 3639	245.0	630.	9	7.7 +	9	7.5 +	f, a	7.6
064.9 − 02.1	K 3-53	10.3	50.	3	0.8	3	1.	w	0.9
066.9 − 05.2	PC 24	17.6	18.	1	5.	1	5.	a	5.
067.9 − 00.2	K 3-52	17.3	65.	3	0.7	3	ST.	h	0.7
068.3 − 02.7	He 2-459	14.0	64.	3	1.3 +	3	1.3	w	1.3
068.7+01.9	K 4-41	11.8	15.	3	3.0 +	3	ST.	h	3.
071.6 − 02.3	M 3-35	29.9	130.	3	1.5 +	3	< 5.	a	1.5
072.1+00.1	K 3-57	47.3	60.	3	6.3 +	3	6.	i	6.3
074.5+02.1	NGC 6881	70.9	121.	3, 4	2.6 +	3	3.5	a, f	2.6
082.1+07.0	NGC 6884	152.8	175.2	4	3.1	4	5.3	a, f, w	5.3
084.9 − 03.4	NGC 7027	1373.	6130.	9	11.0 +	9	14.0 +	f	12.5
086.5 − 08.8	Hu 1-2	107.5	336.4	4	1.7	4	6.5	a	6.5
088.7+04.6	K 3-78	15.2	17.	1, 3	3.8 +	3	3.2	n	3.8
088.7 − 01.6	NGC 7048	46.8	37.	1	70.0 +	1	61.0 +	f, a	65.
089.8 − 05.1	IC 5117	34.5	175.	3	1.5 +	3	1.2	l	1.5
093.3 − 00.9	K 3-82	37.3	30.	1	25.0 +	1	23.0 +	w	24.
093.3 − 02.4	M 1-79	23.6	19.	1	30.0 +	1	32.5 +	a	31.
093.4+05.4	NGC 7008	265.	217.	1	95.0 +	1	86.0 +	f, a	90.
093.5+01.4	M 1-78	372.	906.3	4	3.8	4	6.4	a	6.
095.1 − 02.0	M 2-49	28.3	35.	3	2.5 +	3	4.	w	2.5
095.2+00.7	K 3-62	59.9	115.	3	2.5 +	3	3.	i	2.5
096.3+02.3	K 3-61	16.9	14.	1	6.0 +	1	6.1	a	6.
098.2+04.9	K 3-60	28.1	43.	3	1.9 +	3	3.	i	1.9
100.0 − 08.7	Me 2-2	16.3	44.	3, 4	1.2 +	3	1.6	w	1.2
100.6 − 05.4	IC 5217	50.8	47.5	4	2.0	4	6.5 +	f, a	6.5
101.8+08.7	A 75	21.6	17.	1	57.	1	56.0 +	a, f, w	56.
103.7+00.4	M 2-52	15.4	14.	1	14.	1	13.	a	13.5
104.1+01.0	Bl 2- 1	22.0	54.	3	1.6 +	3	ST.	i	1.6
104.4 − 01.6	M 2-53	15.1	11.	1	20.0 +	1	15.	a	18.
106.5 − 17.6	NGC 7662	646.	631.	1	26.	1	17.0 +	f	20.
107.7 − 02.2	M 1-80	18.0	25.	1	8.0 +	1	8.	a	8.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
116.2+08.5	M 2-55	26.6	19.	1	40.0 +	1	42.0 +	a	41.
118.0 − 08.6	Vy 1- 1	19.9	20.	3, 4	6.0 +	3	5.2	o	6.
119.6 − 06.7	Hu 1-1	28.5	24.	1, 4	10.0 +	1	9.	w	10.
126.3+02.9	K 3-90	12.8	13.9	1	10.0 +	1	7.1 +	w	8.5
130.3 − 11.7	M 1- 1	14.2	8.3	1, 4	5.	1	4.3	w	4.5
146.7+07.6	M 4-18	19.7	20.	1, 3	3.75+	1, 3	4.	k	3.75
147.4 − 02.3	M 1- 4	78.2	87.	3, 4	6.0 +	3	4.	a	6.
147.8+04.1	M 2- 2	52.5	54.	1	7.	1	6.	f	6.5
159.0 − 15.1	IC 351	32.7	25.5	3, 4	7.0 +	3	7.0 +	f, a	7.
161.2 − 14.8	IC 2003	55.3	48.	3, 4	9.0 +	3	10.5 +	f	10.
165.5 − 06.5	K 3-67	33.7	42.	3	2.2 +	3	ST.	p	2.2
167.4 − 09.1	K 3-66	15.9	18.	3	2.1 +	3	ST.	p	2.1
174.2 − 14.6	H 3-29	18.6	18.	1	17.	1	25.	w	21.
184.0 − 02.1	M 1- 5	42.8	69.5	3, 4	2.3 +	3	2.	r	2.3
189.8+07.7	M 1- 7	18.8	13.	1	11.0 +	1	9.	a	11.
190.3 − 17.7	J 320	30.4	22.	3, 4	7.1 +	3	7.1 +	a, z	7.1
194.2+02.5	J 900	108.4	103.	3, 4	6.0 +	3	7.4	a	6.
198.6 − 06.3	A 12	39.3	36.	1	35.0 +	1	37.	a	35.
201.7+02.5	K 4-48	12.1	14.	3	2.2	3	< 2.5	w	2.2
211.2 − 03.5	M 1- 6	54.9	86.	1	2.9	1	< 5.	a	3.
212.0+04.3	M 1- 9	23.9	27.	3	2.3 +	3	2.5	w	2.3
221.3 − 12.3	IC 2165	180.3	177.6	4	.		9.0 +	f, a	9.
226.7+05.6	M 1-16	33.0	29.5	3, 4	3.6 +	3	3.	a	3.6
228.8+05.3	M 1-17	18.5	17.	3, 4	2.5 +	3	3.	a	2.5
231.8+04.1	NGC 2438	80.1	67.	1	80.0 +	1	65.0 +	f, a	72.
232.4 − 01.8	M 1-13	19.2	13.6	4	.		10.	a	10.
232.8 − 04.7	M 1-11	26.1	113.	3	2.2 +	3	ST.	d	2.2
234.8+02.4	NGC 2440	391.	370.	1	18.0 +	1	16.	a	17.
234.9 − 01.4	M 1-14	59.4	60.	3	4.7 +	3	ST.	h	4.7
235.3 − 03.9	M 1-12	22.2	41.	3	1.8 +	3	ST.	h	1.8
239.6+13.9	NGC 2610	30.7	30.	1	49.0 +	1	38.0 +	f, a	43.
242.6 − 11.6	M 3- 1	26.0	24.	1	11.	1	11.2	a	11.2
245.4+01.6	M 3- 5	10.9	10.	1	7.0 +	1	6.8	a	7.
248.8 − 08.5	M 4- 2	24.7	19.	1	6.0 +	1	6.2	a	6.
253.9+05.7	M 3- 6	77.8	75.	1	11.0 +	1	8.2	a	11.
331.3+16.8	NGC 5873	45.9	39.7	4	1.1	4	7.	d	7.
341.6+13.7	NGC 6026	15.8	22.	1	42.	1	40.0 +	f	40.
342.1+27.5	Me 2-1	33.9	26.	3, 4	7.0 +	3	7.	a	7.
347.4+05.8	H 1- 2	14.6	62.	1	0.8	1	ST.	i	1.
348.0+06.3	RPZM 2-1	15.6	10.2	13	.		9.	s	9.
349.5+01.0	NGC 6302	1908.	2800.	11	.		45.	a	45.
349.8+04.4	M 2- 4	24.9	32.	6	2.	1	< 5.	a	2.
350.9+04.4	H 2- 1	51.9	61.	1	2.2	1	2.6	u	2.4
351.1+04.8	M 1-19	23.4	26.	1	2.6	1	3.0	u	2.8
351.2+05.2	M 2- 5	14.4	12.	6	5.	1	5.1	a	5.
352.1+05.1	M 2- 8	16.2	18.	1	3.7	1	4.2	a	4.
353.3+06.3	M 2- 6	15.2	17.	6	1.6	1	2.2	u	2.
353.5 − 04.9	H 1-36	13.5	50.	3	0.8	3	ST.	i	0.8
355.1 − 02.9	H 1-31	6.3	16.	6	0.7	1	< 5.	a	0.7
355.4 − 02.4	M 3-14	23.0	30.	1	2.8	1	5.2	u	4.
355.7 − 03.0	H 1-33	16.2	12.	1	2.7	1	ST.	h	2.7
355.7 − 03.5	H 1-35	18.8	72.	1	1.1	1	2.0	m, u	2.0
355.9+02.7	Th 3-10	21.6	29.5	1	2.	1	ST.	h	2.
355.9 − 04.2	M 1-30	23.6	31.	6	3.5	1	< 5.	a	3.5
356.2 − 04.4	Cn 2-1	25.5	49.	1	1.7	1	2.4	m, u	2.2
356.5 − 02.3	M 1-27	65.4	63.	1	8.0 +	1	5.3	a	8.
356.5 − 03.9	H 1-39	11.1	13.	1	1.7	1	< 5.	a	1.7
356.7 − 04.8	H 1-41	16.9	12.	1	.		9.6	a	9.6
356.9+04.5	M 2-11	17.7	22.	1	2.7	1	1.7	u	2.2

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
357.1+03.6	M 3- 7	33.3	28.	1	4.7	1	5.8	a	5.
357.2+07.4	M 4- 3	12.5	28.	6	1.4	1	1.7	u	1.6
357.4−03.2	M 2-16	20.7	25.	1	2.2	1	2.7	u	2.5
357.4−03.5	M 2-18	11.4	17.	1	1.5	1	< 5.	a	1.5
357.6+01.7	H 1-23	24.8	35.	6	2.5	1	2.8	a	2.6
357.6+02.6	H 1-18	17.9	32.6	12, 6	1.5	1	ST.	h	1.5
358.2+03.5	H 2-10	13.4	20.	1	2.0 +	1	< 5.	a	2.
358.2+03.6	M 3-10	35.3	46.5	12, 8	3.	1	3.3	a	3.1
358.2+04.2	M 3- 8	19.3	20.	1	2.9	1	3.5	u	3.2
358.3+03.0	H 1-17	6.9	35.	1	0.9	1	< 5.	a	0.9
358.3−02.5	Al 2- O	38.3	36.8	13	2.4	13	.		2.4
358.5+05.4	M 3-39	280.	280.	1	20.0 +	1	18.	a	19.
358.5−02.5	M 4- 7	40.0	33.	1	5.7	1	7.	i	5.7
358.5−04.2	H 1-46	19.2	43.	1	1.2	1	ST.	i	1.2
358.6+01.8	M 4- 6	26.8	42.	6	2.	1	ST.	h	2.
358.7+05.2	M 3-40	16.3	17.	1	2.5	1	ST.	h	2.5
358.7−05.2	H 1-50	20.8	31.	1	1.4	1	<10.	a	1.4
358.8+03.0	Th 3-26	10.7	10.	1	6.5	1	6.	d	6.5
358.9+03.2	H 1-20	27.3	32.	1	3.3 +	1	4.0	a	3.3
358.9+03.4	H 1-19	12.4	26.	1	1.4	1	ST.	h	1.4
358.9−00.7	M 1-26	66.8	400.	3, 4	3.2 +	3	4.1	a	3.2
359.1−01.7	M 1-29	91.9	97.	1	7.0 +	1	7.3	a, g, b	7.
359.2+01.2	19W32	13.9	21.3	13	.		24.	t	24.
359.3−00.9	Hb 5	180.	471.	7	3.4	7	15.	a	3.4
359.3−01.8	M 3-44	25.3	35.	6	4.	1	4.4	a, g	4.2
359.3−03.1	M 3-17	11.4	12.	1	2.9 +	1	< 5.	a	2.9
359.7−01.8	M 3-45	21.5	24.3	13	3.3	13	5.8	a, g, b	3.5
359.7−02.6	H 1-40	8.5	31.	6	1.3	1	3.8	g, b, e	3.0
359.8+03.7	Th 3-25	15.6	18.	1	1.8	1	2.2	u	2.
359.9+05.1	M 3- 9	37.6	35.	1	17.	1	15.	a	16.
359.9−04.5	M 2-27	22.8	50.	6	2.5	1	4.8	b, e	3.8

References:

F(5GHz) & radio diameter ref.:
1 - Zijlstra et al. 1989; 2 - Pottasch & Zijlstra 1994; 3 - Aaquist & Kwok 1990; 4 - Isaacman 1984; 5 - Ratag & Pottasch 1991; 6 - Gathier et al. 1983; 7 - Phillips & Mampaso 1988; 8 - Kwok et al. 1981; 9 - Basart & Daub 1987; 10 - Seaquist & Davis 1983; 11 - Rodriguez et al. 1985; 12 - Pottasch et al. 1988; 13 - Ratag et al.1990; 14 - Zijlstra & Pottasch 1989.

Optical diameter ref.:
a - Perek & Kohoutek 1967; b - Kinman et al. 1988; c - Holmberg et al. 1977; d - Cahn & Kaler 1971; e - Dopita et al. 1990; f - Chu et al. 1987; g - Moreno et al. 1988; h - Schohn 1990; i - Acker et al. 1991; j - Weinberger 1977; k - Shaw 1985; l - Kohoutek & Martin 1981; m - Cahn & Kaler 1988; n - Kohoutek 1972; o - Shaw & Kaler 1985; p - Kohoutek 1969; r - Lauberts 1982; s - Manchado et al. 1989; t - Isaacman et al. 1980; u - Bedding & Zijlstra 1994; w - Manchado et al. 1996; z - Balick 1987.