

# Galactic SNRs: Summary Data

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Please also see the [documentation](#) for notes on the entries for each SNR in the catalogue, and for details of many possible and probable SNRs not listed in the catalogue. Also see the cross-reference list of [other names](#) used for these SNRs.

l	b	RA (J2000.0)			Dec		size/ arcmin	type	1-GHz flux/ Jy	spectral index	other name(s)
		hh	mm	ss	dd	mm					
<a href="#">0.0</a>	<a href="#">+0.0</a>	17	45	44	-29	00	3.5x2.5	S	100?	0.8?	Sgr A East
<a href="#">0.3</a>	<a href="#">+0.0</a>	17	46	15	-28	38	15x8	S	22	0.6	
<a href="#">0.9</a>	<a href="#">+0.1</a>	17	47	21	-28	09	8	C	18?	varies	
<a href="#">1.0</a>	<a href="#">-0.1</a>	17	48	30	-28	09	8	S	15	0.6?	
<a href="#">1.4</a>	<a href="#">-0.1</a>	17	49	39	-27	46	10	S	2?	?	
<a href="#">1.9</a>	<a href="#">+0.3</a>	17	48	45	-27	10	1.5	S	0.6	0.6	
<a href="#">3.7</a>	<a href="#">-0.2</a>	17	55	26	-25	50	14x11	S	2.3	0.65	
<a href="#">3.8</a>	<a href="#">+0.3</a>	17	52	55	-25	28	18	S?	3?	0.6	
<a href="#">4.2</a>	<a href="#">-3.5</a>	18	08	55	-27	03	28	S	3.2?	0.6?	
<a href="#">4.5</a>	<a href="#">+6.8</a>	17	30	42	-21	29	3	S	19	0.64	Kepler, SN1604, 3C358
<a href="#">4.8</a>	<a href="#">+6.2</a>	17	33	25	-21	34	18	S	3	0.6	
<a href="#">5.2</a>	<a href="#">-2.6</a>	18	07	30	-25	45	18	S	2.6?	0.6?	
<a href="#">5.4</a>	<a href="#">-1.2</a>	18	02	10	-24	54	35	C?	35?	0.2?	Milne 56
<a href="#">5.5</a>	<a href="#">+0.3</a>	17	57	04	-24	00	15x12	S	5.5	0.7	
<a href="#">5.9</a>	<a href="#">+3.1</a>	17	47	20	-22	16	20	S	3.3?	0.4?	
<a href="#">6.1</a>	<a href="#">+0.5</a>	17	57	29	-23	25	18x12	S	4.5	0.9	
<a href="#">6.1</a>	<a href="#">+1.2</a>	17	54	55	-23	05	30x26	F	4.0?	0.3?	

<u>6.4</u>	<u>-0.1</u>	18	00	30	-23	26	48	C	310	varies	W28
<u>6.4</u>	<u>+4.0</u>	17	45	10	-21	22	31	S	1.3?	0.4?	
<u>6.5</u>	<u>-0.4</u>	18	02	11	-23	34	18	S	27	0.6	
<u>7.0</u>	<u>-0.1</u>	18	01	50	-22	54	15	S	2.5?	0.5?	
<u>7.2</u>	<u>+0.2</u>	18	01	07	-22	38	12	S	2.8	0.6	
<u>7.7</u>	<u>-3.7</u>	18	17	25	-24	04	22	S	11	0.32	1814-24
<u>8.3</u>	<u>-0.0</u>	18	04	34	-21	49	5x4	S	1.2	0.6	
<u>8.7</u>	<u>-5.0</u>	18	24	10	-23	48	26	S	4.4	0.3	
<u>8.7</u>	<u>-0.1</u>	18	05	30	-21	26	45	S?	80	0.5	(W30)
<u>8.9</u>	<u>+0.4</u>	18	03	58	-21	03	24	S	9	0.6	
<u>9.7</u>	<u>-0.0</u>	18	07	22	-20	35	15x11	S	3.7	0.6	
<u>9.8</u>	<u>+0.6</u>	18	05	08	-20	14	12	S	3.9	0.5	
<u>9.9</u>	<u>-0.8</u>	18	10	41	-20	43	12	S	6.7	0.4	
<u>10.5</u>	<u>-0.0</u>	18	09	08	-19	47	6	S	0.9	0.6	
<u>11.0</u>	<u>-0.0</u>	18	10	04	-19	25	11x9	S	1.3	0.6	
<u>11.1</u>	<u>-1.0</u>	18	14	03	-19	46	18x12	S	5.8	0.5	
<u>11.1</u>	<u>-0.7</u>	18	12	46	-19	38	11x7	S	1.0	0.7	
<u>11.1</u>	<u>+0.1</u>	18	09	47	-19	12	12x10	S	2.3	0.4	
<u>11.2</u>	<u>-0.3</u>	18	11	27	-19	25	4	C	22	0.5	
<u>11.4</u>	<u>-0.1</u>	18	10	47	-19	05	8	S?	6	0.5	
<u>11.8</u>	<u>-0.2</u>	18	12	25	-18	44	4	S	0.7	0.3	
<u>12.0</u>	<u>-0.1</u>	18	12	11	-18	37	7?	?	3.5	0.7	
<u>12.2</u>	<u>+0.3</u>	18	11	17	-18	10	6x5	S	0.8	0.7	
<u>12.5</u>	<u>+0.2</u>	18	12	14	-17	55	6x5	C?	0.6	0.4	
<u>12.7</u>	<u>-0.0</u>	18	13	19	-17	54	6	S	0.8	0.8	
<u>12.8</u>	<u>-0.0</u>	18	13	37	-17	49	3	C?	0.8	0.5	
<u>13.3</u>	<u>-1.3</u>	18	19	20	-18	00	70x40	S?	?	?	
<u>13.5</u>	<u>+0.2</u>	18	14	14	-17	12	5x4	S	3.5?	1.0?	
<u>14.1</u>	<u>-0.1</u>	18	16	40	-16	41	6x5	S	0.5	0.6	
<u>14.3</u>	<u>+0.1</u>	18	15	58	-16	27	5x4	S	0.6	0.4	
<u>15.1</u>	<u>-1.6</u>	18	24	00	-16	34	30x24	S?	5.5?	0.0?	
<u>15.4</u>	<u>+0.1</u>	18	18	02	-15	27	15x14	S	5.6	0.62	
<u>15.9</u>	<u>+0.2</u>	18	18	52	-15	02	7x5	S?	5.0	0.63	
<u>16.0</u>	<u>-0.5</u>	18	21	56	-15	14	15x10	S	2.7	0.6	
<u>16.2</u>	<u>-2.7</u>	18	29	40	-16	08	17	S	2.5	0.4	

<u>16.4</u>	<u>-0.5</u>	18	22	38	-14	55	13	S	4.6	0.3?	
<u>16.7</u>	<u>+0.1</u>	18	20	56	-14	20	4	C	3.0	0.6	
<u>17.0</u>	<u>-0.0</u>	18	21	57	-14	08	5	S	0.5	0.5	
<u>17.4</u>	<u>-2.3</u>	18	30	55	-14	52	24?	S	5	0.5?	
<u>17.4</u>	<u>-0.1</u>	18	23	08	-13	46	6	S	0.4	0.7	
<u>17.8</u>	<u>-2.6</u>	18	32	50	-14	39	24	S	5	0.5	
<u>18.1</u>	<u>-0.1</u>	18	24	34	-13	11	8	S	4.6	0.5	
<u>18.6</u>	<u>-0.2</u>	18	25	55	-12	50	6	S	1.4	0.4	
<u>18.8</u>	<u>+0.3</u>	18	23	58	-12	23	17x11	S	33	0.46	Kes 67
<u>18.9</u>	<u>-1.1</u>	18	29	50	-12	58	33	C?	37	0.39	
<u>19.1</u>	<u>+0.2</u>	18	24	56	-12	07	27	S	10	0.5	
<u>20.0</u>	<u>-0.2</u>	18	28	07	-11	35	10	F	10	0.1	
<u>20.4</u>	<u>+0.1</u>	18	27	51	-11	00	8	S?	9?	0.1?	
<u>21.0</u>	<u>-0.4</u>	18	31	12	-10	47	9x7	S	1.1	0.6	
<u>21.5</u>	<u>-0.9</u>	18	33	33	-10	35	5	C	7	varies	
<u>21.5</u>	<u>-0.1</u>	18	30	50	-10	09	5	S	0.4	0.5	
<u>21.6</u>	<u>-0.8</u>	18	33	40	-10	25	13	S	1.4	0.5?	
<u>21.8</u>	<u>-0.6</u>	18	32	45	-10	08	20	S	65	0.56	Kes 69
<u>22.7</u>	<u>-0.2</u>	18	33	15	-09	13	26	S?	33	0.6	
<u>23.3</u>	<u>-0.3</u>	18	34	45	-08	48	27	S	70	0.5	W41
<u>23.6</u>	<u>+0.3</u>	18	33	03	-08	13	10?	?	8?	0.3	
<u>24.7</u>	<u>-0.6</u>	18	38	43	-07	32	15?	S?	8	0.5	
<u>24.7</u>	<u>+0.6</u>	18	34	10	-07	05	30x15	C?	20?	0.2?	
<u>25.1</u>	<u>-2.3</u>	18	45	10	-08	00	80x30?	S	8	0.5?	
<u>27.4</u>	<u>+0.0</u>	18	41	19	-04	56	4	S	6	0.68	4C-04.71
<u>27.8</u>	<u>+0.6</u>	18	39	50	-04	24	50x30	F	30	varies	
<u>28.6</u>	<u>-0.1</u>	18	43	55	-03	53	13x9	S	3?	?	
<u>28.8</u>	<u>+1.5</u>	18	39	00	-02	55	100?	S?	?	0.4?	
<u>29.6</u>	<u>+0.1</u>	18	44	52	-02	57	5	S	1.5?	0.5?	
<u>29.7</u>	<u>-0.3</u>	18	46	25	-02	59	3	C	10	0.63	Kes 75
<u>30.7</u>	<u>-2.0</u>	18	54	25	-02	54	16	?	0.5?	0.7?	
<u>30.7</u>	<u>+1.0</u>	18	44	00	-01	32	24x18	S?	6	0.4	
<u>31.5</u>	<u>-0.6</u>	18	51	10	-01	31	18?	S?	2?	?	
<u>31.9</u>	<u>+0.0</u>	18	49	25	-00	55	7x5	S	25	varies	3C391
<u>32.0</u>	<u>-4.9</u>	19	06	00	-03	00	60?	S?	22?	0.5?	3C396.1

<u>32.1</u>	<u>-0.9</u>	18	53	10	-01	08	40?	C?	?	?	
<u>32.4</u>	<u>+0.1</u>	18	50	05	-00	25	6	S	0.25?	?	
<u>32.8</u>	<u>-0.1</u>	18	51	25	-00	08	17	S?	11?	0.2?	Kes 78
<u>33.2</u>	<u>-0.6</u>	18	53	50	-00	02	18	S	3.5	varies	
<u>33.6</u>	<u>+0.1</u>	18	52	48	+00	41	10	S	20	0.51	Kes 79, 4C00.70, HC13
<u>34.7</u>	<u>-0.4</u>	18	56	00	+01	22	35x27	C	250	0.37	W44, 3C392
<u>35.6</u>	<u>-0.4</u>	18	57	55	+02	13	15x11	S?	9	0.5	
<u>36.6</u>	<u>-0.7</u>	19	00	35	+02	56	25?	S?	1.0	0.7?	
<u>36.6</u>	<u>+2.6</u>	18	48	49	+04	26	17x13?	S	0.7?	0.5?	
<u>38.7</u>	<u>-1.3</u>	19	06	40	+04	28	32x19?	S	?	?	
<u>39.2</u>	<u>-0.3</u>	19	04	08	+05	28	8x6	C	18	0.34	3C396, HC24, NRAO 593
<u>39.7</u>	<u>-2.0</u>	19	12	20	+04	55	120x60	?	85?	0.7?	W50, SS433
<u>40.5</u>	<u>-0.5</u>	19	07	10	+06	31	22	S	11	0.4	
<u>41.1</u>	<u>-0.3</u>	19	07	34	+07	08	4.5x2.5	S	25	0.50	3C397
<u>41.5</u>	<u>+0.4</u>	19	05	50	+07	46	10	S?	1?	?	
<u>42.0</u>	<u>-0.1</u>	19	08	10	+08	00	8	S?	0.5?	?	
<u>42.8</u>	<u>+0.6</u>	19	07	20	+09	05	24	S	3?	0.5?	
<u>43.3</u>	<u>-0.2</u>	19	11	08	+09	06	4x3	S	38	0.46	W49B
<u>43.9</u>	<u>+1.6</u>	19	05	50	+10	30	60?	S?	9.0	0.5	
<u>45.7</u>	<u>-0.4</u>	19	16	25	+11	09	22	S	4.2?	0.4?	
<u>46.8</u>	<u>-0.3</u>	19	18	10	+12	09	17x13	S	17	0.54	(HC30)
<u>49.2</u>	<u>-0.7</u>	19	23	50	+14	06	30	S?	160?	0.3?	(W51)
<u>53.6</u>	<u>-2.2</u>	19	38	50	+17	14	33x28	S	8	0.50	3C400.2, NRAO 611
<u>54.1</u>	<u>+0.3</u>	19	30	31	+18	52	12?	C?	0.5	0.1	
<u>54.4</u>	<u>-0.3</u>	19	33	20	+18	56	40	S	28	0.5	(HC40)
<u>55.0</u>	<u>+0.3</u>	19	32	00	+19	50	20x15?	S	0.5?	0.5?	
<u>55.7</u>	<u>+3.4</u>	19	21	20	+21	44	23	S	1?	0.3?	
<u>57.2</u>	<u>+0.8</u>	19	34	59	+21	57	12?	S?	1.8	0.62	(4C21.53)
<u>59.5</u>	<u>+0.1</u>	19	42	33	+23	35	15	S	3?	?	
<u>59.8</u>	<u>+1.2</u>	19	38	55	+24	19	20x16?	?	1.5	0.0	
<u>63.7</u>	<u>+1.1</u>	19	47	52	+27	45	8	F	1.8	0.24	
<u>64.5</u>	<u>+0.9</u>	19	50	25	+28	16	8	S?	0.15?	0.5	
<u>65.1</u>	<u>+0.6</u>	19	54	40	+28	35	90x50	S	5.5	0.61	
<u>65.3</u>	<u>+5.7</u>	19	33	00	+31	10	310x240	S?	42	0.6	
<u>65.7</u>	<u>+1.2</u>	19	52	10	+29	26	22	F	5.1	varies	DA 495

<u>65.8</u>	<u>-0.5</u>	19	59	20	+28	38	10x6?	S	?	?	
<u>66.0</u>	<u>-0.0</u>	19	57	50	+29	03	31x25?	S	?	?	
<u>67.6</u>	<u>+0.9</u>	19	57	45	+30	53	50x45?	S	?	?	
<u>67.7</u>	<u>+1.8</u>	19	54	32	+31	29	15x12	S	1.0	0.61	
<u>67.8</u>	<u>+0.5</u>	20	00	00	+30	51	7x5	?	?	?	
<u>68.6</u>	<u>-1.2</u>	20	08	40	+30	37	23	?	1.1	0.2	
<u>69.0</u>	<u>+2.7</u>	19	53	20	+32	55	80?	?	120?	varies	CTB 80
<u>69.7</u>	<u>+1.0</u>	20	02	40	+32	43	16x14	S	2.0	0.7	
<u>73.9</u>	<u>+0.9</u>	20	14	15	+36	12	27	S?	9	0.23	
<u>74.0</u>	<u>-8.5</u>	20	51	00	+30	40	230x160	S	210	varies	Cygnus Loop
<u>74.9</u>	<u>+1.2</u>	20	16	02	+37	12	8x6	F	9	varies	CTB 87
<u>76.9</u>	<u>+1.0</u>	20	22	20	+38	43	9	C	2?	?	
<u>78.2</u>	<u>+2.1</u>	20	20	50	+40	26	60	S	320	0.51	DR4, gamma Cygni SNR
<u>82.2</u>	<u>+5.3</u>	20	19	00	+45	30	95x65	S	120?	0.5?	W63
<u>83.0</u>	<u>-0.3</u>	20	46	55	+42	52	9x7	S	1	0.4	
<u>84.2</u>	<u>-0.8</u>	20	53	20	+43	27	20x16	S	11	0.5	
<u>85.4</u>	<u>+0.7</u>	20	50	40	+45	22	24?	S	?	0.2	
<u>85.9</u>	<u>-0.6</u>	20	58	40	+44	53	24	S	?	0.2	
<u>89.0</u>	<u>+4.7</u>	20	45	00	+50	35	120x90	S	220	0.38	HB21
<u>93.3</u>	<u>+6.9</u>	20	52	25	+55	21	27x20	C?	9	0.45	DA 530, 4C(T)55.38.1
<u>93.7</u>	<u>-0.2</u>	21	29	20	+50	50	80	S	65	0.65	CTB 104A, DA 551
<u>94.0</u>	<u>+1.0</u>	21	24	50	+51	53	30x25	S	13	0.45	3C434.1
<u>96.0</u>	<u>+2.0</u>	21	30	30	+53	59	26	S	0.35	0.6	
<u>106.3</u>	<u>+2.7</u>	22	27	30	+60	50	60x24	C?	6	0.6	
<u>108.2</u>	<u>-0.6</u>	22	53	40	+58	50	70x54	S	8	0.5	
<u>109.1</u>	<u>-1.0</u>	23	01	35	+58	53	28	S	22	0.45	CTB 109
<u>111.7</u>	<u>-2.1</u>	23	23	26	+58	48	5	S	2720	0.77	Cassiopeia A, 3C461
<u>113.0</u>	<u>+0.2</u>	23	36	35	+61	22	40x17?	?	4	0.5?	
<u>114.3</u>	<u>+0.3</u>	23	37	00	+61	55	90x55	S	5.5	0.5	
<u>116.5</u>	<u>+1.1</u>	23	53	40	+63	15	80x60	S	10	0.5	
<u>116.9</u>	<u>+0.2</u>	23	59	10	+62	26	34	S	8	0.57	CTB 1
<u>119.5</u>	<u>+10.2</u>	00	06	40	+72	45	90?	S	36	0.6	CTA 1
<u>120.1</u>	<u>+1.4</u>	00	25	18	+64	09	8	S	56	0.58	Tycho, 3C10, SN1572
<u>126.2</u>	<u>+1.6</u>	01	22	00	+64	15	70	S?	6	0.5	
<u>127.1</u>	<u>+0.5</u>	01	28	20	+63	10	45	S	12	0.45	R5

<u>130.7</u>	<u>+3.1</u>	02	05	41	+64	49	9x5	F	33	0.07	3C58, SN1181
<u>132.7</u>	<u>+1.3</u>	02	17	40	+62	45	80	S	45	0.6	HB3
<u>152.4</u>	<u>-2.1</u>	04	07	50	+49	11	100x95	S	3.5?	0.7?	
<u>156.2</u>	<u>+5.7</u>	04	58	40	+51	50	110	S	5	0.5	
<u>159.6</u>	<u>+7.3</u>	05	20	00	+50	00	240x180?	S	?	?	
<u>160.9</u>	<u>+2.6</u>	05	01	00	+46	40	140x120	S	110	0.64	HB9
<u>166.0</u>	<u>+4.3</u>	05	26	30	+42	56	55x35	S	7	0.37	VRO 42.05.01
<u>178.2</u>	<u>-4.2</u>	05	35	05	+28	11	72x62	S	2	0.5	
<u>179.0</u>	<u>+2.6</u>	05	53	40	+31	05	70	S?	7	0.4	
<u>180.0</u>	<u>-1.7</u>	05	39	00	+27	50	180	S	65	varies	S147
<u>182.4</u>	<u>+4.3</u>	06	08	10	+29	00	50	S	0.5	0.4	
<u>184.6</u>	<u>-5.8</u>	05	34	31	+22	01	7x5	F	1040	0.30	Crab Nebula, 3C144, SN1054
<u>189.1</u>	<u>+3.0</u>	06	17	00	+22	34	45	C	160	0.36	IC443, 3C157
<u>190.9</u>	<u>-2.2</u>	06	01	55	+18	24	70x60	S	1.3?	0.7?	
<u>192.8</u>	<u>-1.1</u>	06	09	20	+17	20	78	S	20?	0.6?	PKS 0607+17
<u>205.5</u>	<u>+0.5</u>	06	39	00	+06	30	220	S	140	0.4	Monoceros Nebula
<u>206.9</u>	<u>+2.3</u>	06	48	40	+06	26	60x40	S?	6	0.5	PKS 0646+06
<u>213.0</u>	<u>-0.6</u>	06	50	50	-00	30	160x140?	S	21	0.4	
<u>260.4</u>	<u>-3.4</u>	08	22	10	-43	00	60x50	S	130	0.5	Puppis A, MSH 08-44
<u>261.9</u>	<u>+5.5</u>	09	04	20	-38	42	40x30	S	10?	0.4?	
<u>263.9</u>	<u>-3.3</u>	08	34	00	-45	50	255	C	1750	varies	Vela (XYZ)
<u>266.2</u>	<u>-1.2</u>	08	52	00	-46	20	120	S	50?	0.3?	RX J0852.0-4622
<u>272.2</u>	<u>-3.2</u>	09	06	50	-52	07	15?	S?	0.4	0.6	
<u>279.0</u>	<u>+1.1</u>	09	57	40	-53	15	95	S	30?	0.6?	
<u>284.3</u>	<u>-1.8</u>	10	18	15	-59	00	24?	S	11?	0.3?	MSH 10-53
<u>286.5</u>	<u>-1.2</u>	10	35	40	-59	42	26x6	S?	1.4?	?	
<u>289.7</u>	<u>-0.3</u>	11	01	15	-60	18	18x14	S	6.2	0.2?	
<u>290.1</u>	<u>-0.8</u>	11	03	05	-60	56	19x14	S	42	0.4	MSH 11-61A
<u>291.0</u>	<u>-0.1</u>	11	11	54	-60	38	15x13	C	16	0.29	(MSH 11-62)
<u>292.0</u>	<u>+1.8</u>	11	24	36	-59	16	12x8	C	15	0.4	MSH 11-54
<u>292.2</u>	<u>-0.5</u>	11	19	20	-61	28	20x15	S	7	0.5	
<u>293.8</u>	<u>+0.6</u>	11	35	00	-60	54	20	C	5?	0.6?	
<u>294.1</u>	<u>-0.0</u>	11	36	10	-61	38	40	S	>2?	?	
<u>296.1</u>	<u>-0.5</u>	11	51	10	-62	34	37x25	S	8?	0.6?	
<u>296.5</u>	<u>+10.0</u>	12	09	40	-52	25	90x65	S	48	0.5	PKS 1209-51/52

<u>296.7</u>	<u>-0.9</u>	11	55	30	-63	08	15x8	S	3	0.5	
<u>296.8</u>	<u>-0.3</u>	11	58	30	-62	35	20x14	S	9	0.6	1156-62
<u>298.5</u>	<u>-0.3</u>	12	12	40	-62	52	5?	?	5?	0.4?	
<u>298.6</u>	<u>-0.0</u>	12	13	41	-62	37	12x9	S	5?	0.3	
<u>299.2</u>	<u>-2.9</u>	12	15	13	-65	30	18x11	S	0.5?	?	
<u>299.6</u>	<u>-0.5</u>	12	21	45	-63	09	13	S	1.0?	?	
<u>301.4</u>	<u>-1.0</u>	12	37	55	-63	49	37x23	S	2.1?	?	
<u>302.3</u>	<u>+0.7</u>	12	45	55	-62	08	17	S	5?	0.4?	
<u>304.6</u>	<u>+0.1</u>	13	05	59	-62	42	8	S	14	0.5	Kes 17
<u>306.3</u>	<u>-0.9</u>	13	21	50	-63	34	4	S?	0.16?	0.5?	
<u>308.1</u>	<u>-0.7</u>	13	37	37	-63	04	13	S	1.2?	?	
<u>308.4</u>	<u>-1.4</u>	13	41	30	-63	44	12x6?	S?	0.4?	?	
<u>308.8</u>	<u>-0.1</u>	13	42	30	-62	23	30x20?	C?	15?	0.4?	
<u>309.2</u>	<u>-0.6</u>	13	46	31	-62	54	15x12	S	7?	0.4?	
<u>309.8</u>	<u>+0.0</u>	13	50	30	-62	05	25x19	S	17	0.5	
<u>310.6</u>	<u>-1.6</u>	14	00	45	-63	26	2.5	C?	?	?	
<u>310.6</u>	<u>-0.3</u>	13	58	00	-62	09	8	S	5?	?	Kes 20B
<u>310.8</u>	<u>-0.4</u>	14	00	00	-62	17	12	S	6?	?	Kes 20A
<u>311.5</u>	<u>-0.3</u>	14	05	38	-61	58	5	S	3?	0.5	
<u>312.4</u>	<u>-0.4</u>	14	13	00	-61	44	38	S	45	0.36	
<u>312.5</u>	<u>-3.0</u>	14	21	00	-64	12	20x18	S	3.5?	?	
<u>315.1</u>	<u>+2.7</u>	14	24	30	-57	50	190x150	S	?	?	
<u>315.4</u>	<u>-2.3</u>	14	43	00	-62	30	42	S	49	0.6	RCW 86, MSH 14-63
<u>315.4</u>	<u>-0.3</u>	14	35	55	-60	36	24x13	?	8	0.4	
<u>315.9</u>	<u>-0.0</u>	14	38	25	-60	11	25x14	S	0.8?	?	
<u>316.3</u>	<u>-0.0</u>	14	41	30	-60	00	29x14	S	20?	0.4	(MSH 14-57)
<u>317.3</u>	<u>-0.2</u>	14	49	40	-59	46	11	S	4.7?	?	
<u>318.2</u>	<u>+0.1</u>	14	54	50	-59	04	40x35	S	>3.9?	?	
<u>318.9</u>	<u>+0.4</u>	14	58	30	-58	29	30x14	C	4?	0.2?	
<u>320.4</u>	<u>-1.2</u>	15	14	30	-59	08	35	C	60?	0.4	MSH 15-52, RCW 89
<u>320.6</u>	<u>-1.6</u>	15	17	50	-59	16	60x30	S	?	?	
<u>321.9</u>	<u>-1.1</u>	15	23	45	-58	13	28	S	>3.4?	?	
<u>321.9</u>	<u>-0.3</u>	15	20	40	-57	34	31x23	S	13	0.3	
<u>322.1</u>	<u>+0.0</u>	15	20	49	-57	10	8x4.5?	S?	?	?	
<u>322.5</u>	<u>-0.1</u>	15	23	23	-57	06	15	C	1.5	0.4	

<u>323.5</u>	<u>+0.1</u>	15	28	42	-56	21	13	S	3?	0.4?	
<u>326.3</u>	<u>-1.8</u>	15	53	00	-56	10	38	C	145	varies	MSH 15-56
<u>327.1</u>	<u>-1.1</u>	15	54	25	-55	09	18	C	7?	?	
<u>327.2</u>	<u>-0.1</u>	15	50	55	-54	18	5	S	0.4	?	
<u>327.4</u>	<u>+0.4</u>	15	48	20	-53	49	21	S	30?	0.6	Kes 27
<u>327.4</u>	<u>+1.0</u>	15	46	48	-53	20	14	S	1.9?	?	
<u>327.6</u>	<u>+14.6</u>	15	02	50	-41	56	30	S	19	0.6	SN1006, PKS 1459-41
<u>328.4</u>	<u>+0.2</u>	15	55	30	-53	17	5	F	15	0.0	(MSH 15-57)
<u>329.7</u>	<u>+0.4</u>	16	01	20	-52	18	40x33	S	>34?	?	
<u>330.0</u>	<u>+15.0</u>	15	10	00	-40	00	180?	S	350?	0.5?	Lupus Loop
<u>330.2</u>	<u>+1.0</u>	16	01	06	-51	34	11	S?	5?	0.3	
<u>332.0</u>	<u>+0.2</u>	16	13	17	-50	53	12	S	8?	0.5	
<u>332.4</u>	<u>-0.4</u>	16	17	33	-51	02	10	S	28	0.5	RCW 103
<u>332.4</u>	<u>+0.1</u>	16	15	20	-50	42	15	S	26	0.5	MSH 16-51, Kes 32
<u>332.5</u>	<u>-5.6</u>	16	43	20	-54	30	35	S	2?	0.7?	
<u>335.2</u>	<u>+0.1</u>	16	27	45	-48	47	21	S	16	0.5	
<u>336.7</u>	<u>+0.5</u>	16	32	11	-47	19	14x10	S	6	0.5	
<u>337.0</u>	<u>-0.1</u>	16	35	57	-47	36	1.5	S	1.5	0.6?	(CTB 33)
<u>337.2</u>	<u>-0.7</u>	16	39	28	-47	51	6	S	1.5	0.4	
<u>337.2</u>	<u>+0.1</u>	16	35	55	-47	20	3x2	?	1.5?	?	
<u>337.3</u>	<u>+1.0</u>	16	32	39	-46	36	15x12	S	16	0.55	Kes 40
<u>337.8</u>	<u>-0.1</u>	16	39	01	-46	59	9x6	S	18	0.5	Kes 41
<u>338.1</u>	<u>+0.4</u>	16	37	59	-46	24	15?	S	4?	0.4	
<u>338.3</u>	<u>-0.0</u>	16	41	00	-46	34	8	C?	7?	?	
<u>338.5</u>	<u>+0.1</u>	16	41	09	-46	19	9	?	12?	?	
<u>340.4</u>	<u>+0.4</u>	16	46	31	-44	39	10x7	S	5	0.4	
<u>340.6</u>	<u>+0.3</u>	16	47	41	-44	34	6	S	5?	0.4?	
<u>341.2</u>	<u>+0.9</u>	16	47	35	-43	47	22x16	C	1.5?	0.6?	
<u>341.9</u>	<u>-0.3</u>	16	55	01	-44	01	7	S	2.5	0.5	
<u>342.0</u>	<u>-0.2</u>	16	54	50	-43	53	12x9	S	3.5?	0.4?	
<u>342.1</u>	<u>+0.9</u>	16	50	43	-43	04	10x9	S	0.5?	?	
<u>343.0</u>	<u>-6.0</u>	17	25	00	-46	30	250	S	?	?	RCW 114
<u>343.1</u>	<u>-2.3</u>	17	08	00	-44	16	32?	C?	8?	0.5?	
<u>343.1</u>	<u>-0.7</u>	17	00	25	-43	14	27x21	S	7.8	0.55	
<u>344.7</u>	<u>-0.1</u>	17	03	51	-41	42	8	C?	2.5?	0.3?	



<u>345.7</u>	<u>-0.2</u>	17	07	20	-40	53	6	S	0.6?	?	
<u>346.6</u>	<u>-0.2</u>	17	10	19	-40	11	8	S	8?	0.5?	
<u>347.3</u>	<u>-0.5</u>	17	13	50	-39	45	65x55	S?	30?	?	RX J1713.7-3946
<u>348.5</u>	<u>-0.0</u>	17	15	26	-38	28	10?	S?	10?	0.4?	
<u>348.5</u>	<u>+0.1</u>	17	14	06	-38	32	15	S	72	0.3	CTB 37A
<u>348.7</u>	<u>+0.3</u>	17	13	55	-38	11	17?	S	26	0.3	CTB 37B
<u>349.2</u>	<u>-0.1</u>	17	17	15	-38	04	9x6	S	1.4?	?	
<u>349.7</u>	<u>+0.2</u>	17	17	59	-37	26	2.5x2	S	20	0.5	
<u>350.0</u>	<u>-2.0</u>	17	27	50	-38	32	45	S	26	0.4	
<u>350.1</u>	<u>-0.3</u>	17	17	40	-37	24	4?	?	6?	0.8?	
<u>351.2</u>	<u>+0.1</u>	17	22	27	-36	11	7	C?	5?	0.4	
<u>351.7</u>	<u>+0.8</u>	17	21	00	-35	27	18x14	S	10	0.5?	
<u>351.9</u>	<u>-0.9</u>	17	28	52	-36	16	12x9	S	1.8?	?	
<u>352.7</u>	<u>-0.1</u>	17	27	40	-35	07	8x6	S	4	0.6	
<u>353.6</u>	<u>-0.7</u>	17	32	00	-34	44	30	S	2.5?	?	
<u>353.9</u>	<u>-2.0</u>	17	38	55	-35	11	13	S	1?	0.5?	
<u>354.1</u>	<u>+0.1</u>	17	30	28	-33	46	15x3?	C?	?	varies	
<u>354.8</u>	<u>-0.8</u>	17	36	00	-33	42	19	S	2.8?	?	
<u>355.4</u>	<u>+0.7</u>	17	31	20	-32	26	25	S	5?	?	
<u>355.6</u>	<u>-0.0</u>	17	35	16	-32	38	8x6	S	3?	?	
<u>355.9</u>	<u>-2.5</u>	17	45	53	-33	43	13	S	8	0.5	
<u>356.2</u>	<u>+4.5</u>	17	19	00	-29	40	25	S	4	0.7	
<u>356.3</u>	<u>-1.5</u>	17	42	35	-32	52	20x15	S	3?	?	
<u>356.3</u>	<u>-0.3</u>	17	37	56	-32	16	11x7	S	3?	?	
<u>357.7</u>	<u>-0.1</u>	17	40	29	-30	58	8x3?	?	37	0.4	MSH 17-39
<u>357.7</u>	<u>+0.3</u>	17	38	35	-30	44	24	S	10	0.4?	
<u>358.0</u>	<u>+3.8</u>	17	26	00	-28	36	38	S	1.5?	?	
<u>358.1</u>	<u>+0.1</u>	17	37	00	-29	59	20	S	2?	?	
<u>358.5</u>	<u>-0.9</u>	17	46	10	-30	40	17	S	4?	?	
<u>359.0</u>	<u>-0.9</u>	17	46	50	-30	16	23	S	23	0.5	
<u>359.1</u>	<u>-0.5</u>	17	45	30	-29	57	24	S	14	0.4?	
<u>359.1</u>	<u>+0.9</u>	17	39	36	-29	11	12x11	S	2?	?	