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Table 1. Variable sources in the LMC region I.

1	2	3	4	5	6	7	8	9	10	11
No	RA (2000.0)	Dec		E	Count Rate []	HR1	HR2	Off [']	Rorkey	Survey Rate []
61	[a]5 43 35.0	-64 22 56	[a]1.9	5	6.53e-2±8.8e-3	-0.00±0.13	0.05±0.19	33	140639p	6.38e-2±8.1e-3
78	5 36 21.7	-64 49 42	6.0	5	3.68e-2±5.3e-3	0.53±0.13	-0.06±0.17	10	140635p	2.52e-2±5.1e-3
106	5 31 36.1	-65 18 16	18.8	2	2.49e-2±1.6e-3	1.00−0.39	0.23±0.06	36	200692p	3.13e-2±4.4e-3
122	5 28 44.4	-65 26 59	0.6	2	8.07±0.08	-0.00±0.01	0.07±0.01	2.4	200874p-0	5.58±2.0e-2
131	5 35 53.8	-65 30 34	13.0	2	1.31e-1±8.1e-3	1.00−0.19	0.22±0.06	32	201250p	1.34e-1±7.6e-3
137	5 32 25.3	-65 35 09	17.4	2	7.09e-3±1.8e-3	1.00−0.47	0.14±0.30	15	201253p	6.69e-3±2.3e-3
184	5 32 32.1	-65 51 42	3.3	2	1.11e-2±6.3e-4	1.00−0.10	0.43±0.05	11	200692p	6.43e-3±2.7e-3
204	5 29 48.2	-65 56 44	2.8	5	2.43e-1±1.6e-2	0.84±0.04	0.49±0.06	9.0	201255p	1.9e-3
252	5 31 12.9	-66 07 04	2.2	5	5.34e-1±2.1e-2	0.64±0.03	0.27±0.04	13	201257p	5.1e-3
316	5 32 49.4	-66 22 13	0.6	2	4.30e-1±5.5e-3	0.51±0.01	0.12±0.02	2.3	400246p	1.63±2.0e-2
380	5 03 02.8	-66 33 44	9.0	2	1.17e-1±3.7e-3	0.83±0.03	0.17±0.03	39	900320p	7.09e-2±1.0e-2
436	5 35 41.7	-66 51 58	9.8	2	1.32e-2±3.8e-3	1.00−0.40	0.23±0.28	4.7	900552p	6.06e-1±1.4e-2
439	5 37 10.2	-66 53 07	8.7	5	5.21e-2±8.9e-3	0.14±0.17	0.19±0.22	11	900535p-1	1.5e-2
462	5 35 05.9	-67 00 16	4.0	2	6.38e-2±7.2e-3	1.00−0.15	0.41±0.11	3.8	900549p	2.7e-3
477	5 35 38.4	-67 05 13	7.9	5	5.28e-2±7.9e-3	-0.02±0.15	0.19±0.21	11	900552p	1.8e-2
478	5 30 49.4	-67 05 54	11.4	5	4.77e-2±8.9e-3	-0.25±0.18	0.34±0.28	13	900547p-1	9.70e-3±2.8e-3
509	5 15 59.2	-67 16 28	5.1	5	2.17e-2±1.9e-3	-0.11±0.09	0.26±0.12	12	500052p-1	1.8e-2
513	5 12 41.8	-67 17 23	4.0	2	1.31e-2±1.4e-3	1.00−0.17	0.54±0.10	8.0	500052p-1	5.6e-3
569	[a]5 07 12.1	-67 43 11	[a]9.8	1	9.33e-3±1.6e-3	-1.00[b]	-	18	500063p	2.2e-2
782	4 54 01.8	-69 00 34	11.4	5	9.49e-1±9.4e-2	0.46±0.09	-0.73±0.08	23	500258p-2	4.6e-3
914	5 32 45.1	-69 26 15	6.5	5	1.84e-2±3.3e-3	1.00−0.31	0.29±0.19	7.3	110173p	6.4e-3
935	5 16 45.5	-69 29 41	28.4	5	1.11e-1±2.6e-2	0.10±0.16	0.00±0.60	25	110088p	1.1e-2
946	5 20 30.3	-69 32 04	16.6	4	4.83e-2±4.0e-3	1.00−0.13	0.59±0.07	33	300126p	1.6e-2
1030	5 13 50.9	-69 51 46	1.0	1	1.94±0.02	-0.86±0.01	-0.98±0.01	2.3	900398p-2	1.14±0.03
1039	5 27 48.7	-69 54 07	2.8	1	1.11e-1±4.5e-3	-1.00+0.01	-	2.3	400148p	1.23e-1±1.1e-2
1093	5 25 57.7	-70 11 03	3.7	5	4.14e-2±2.7e-3	0.68±0.06	0.23±0.07	15	300126p	1.62e-2±4.7e-3
1161	5 37 44.1	-70 33 50	17.2	1	3.53e-3±8.4e-4	-1.00+0.33	-	13	300335p	4.4e-3
1225	5 44 06.3	-71 00 50	3.3	4	4.41e-2±2.0e-3	1.00−0.03	0.65±0.03	15	400013p	4.8e-3

Column 1: catalogue entry; 2-3: coordinates; 4: 90% statistical position uncertainty, the systematic error is $\sim 7''$; 5: energy band of detection as described in text; 6: count rate in broad band (5); 7,8: hardness ratios HR1=(hard-soft)/(hard+soft) and HR2=(hard2-hard1)/(hard2+hard1) with count rates from the energy bands as defined in text; 9: off-axis angle; 10: observation identifier; 11: survey count rate from Pietsch et al. 1998, rates without errors are 2σ upper limits

[a] Improved coordinates derived from HRI observation

[b] Only counts in soft band

Table 2. Variable sources in the LMC region II.

1	2	3	4	5	6	7	8	9	10	11
No	Ul 10^{-2}	Min	Max	Sup	Var	P σ	N_g	N_s	N_u	Remarks
61	1.82	0.065	0.169		>9.3	>4.6	3	0	2	RASS 280
78		0.026	0.086		3.3	4.8	4	0	0	RASS 250, GSC 8887.0400
106	0.80			0.067	>8.3	>4.8	0	1	1	RASS 223
122		4.923	17.215		3.5		17	0	0	Fg Star K0, HD 36705, CAL 42, RASS 216
131	5.38	0.114	0.348	0.553	>10		5	3	2	RASS 246
137		0.007	0.016		2.2	<3	5	0	0	RASS 228
184	0.20	0.008	0.047		>24		6	0	3	RXJ0532.5-6551, HMXB OB, RASS 231 (H97)
204	0.13	0.004	0.243		>187		4	0	5	RXJ0529.8-6556, Be/X pulsar (H95b)
252	0.31	0.022	0.534		>172		3	0	7	EXO053109-6609, Be/X pulsar (H95a, D96)
316	4.38	0.238	9.523	12.218	>279		19	1	2	LMC X-4, HMXB pulsar, CAL 49, RASS 232
380		0.040	0.117	0.210	>5.3		2	1	0	1E0502-667, Sy1 (S94), CAL F, RASS 125
436	0.63	0.008	0.478		>77[a]		9	0	1	A0538-66, Be/X pulsar, RASS 244 (M93)
439	0.57	0.006	0.052		>9.2	>4.1	7	0	1	
462	0.26	0.064	0.064		>24	>5.5	1	0	16	
477		0.008	0.085	0.103	>13		8	2	0	
478		0.008	0.049		6.0	4.9	7	0	0	Fg star, dMe (S94), CAL B, RASS 221
509		0.006	0.022		3.4		2	0	0	
513	0.14	0.013	0.013		>9.3	>5.9	1	0	1	
569	0.08			0.009	>11[a]	>4.7	0	1	1	
782	0.33			0.949	>286		0	1	1	
914		0.003	0.022		6.8[a]	4.9	5	0	0	(W91)
935	0.78	0.111	0.111	0.152	>20	>4.3	1	2	11	
946	0.25			0.048	>19		0	1	1	RXJ0520.5-6932, HMXB? O8e (S94)
1030	0.25	1.936	1.936		>760		1	0	7	RXJ0513.9-6951, SSS, HV5682, RASS 167
1039		0.028	0.208	0.258	>9.4		14	2	0	RXJ0527.8-6954, SSS, RASS 212
1093	2.87	0.041	0.158	0.252	>8.8[a]		3	2	2	Fg star, RS CVn (S94), CAL 38, RASS 206
1161		0.004	0.020		5.7		2	0	0	RXJ0537.7-7034, SSS? (O97)
1225		0.011	0.044		4.2[a]		2	0	0	

Column 1: catalogue entry, 2: lowest upper limit, 3: detection minimum, 4: detection maximum, 5: highest detection influenced by support structure (which gives a lower limit), 6: variability, 7: probability for variability in σ (not given if higher than 6), 8,9,10: number of good detections, detections near WSS and upper limits, used for the variability study, 11: the RASS numbers denote the source number from the all-sky LMC source catalogue of Pietsch et al. (1998), Fg stands for Foreground [a] Variability amplitude (and also the confidence of the variability) increases when including survey detections (source 436: var = 1240; 1093: 16) or HRI results (569: 44; 914: 16; 1225: 11)

D96: Dennerl et al. 1996; H95a: Haberl et al. 1995a; H95b: Haberl et al. 1995b; H97: Haberl et al. 1997; M93: Mavromatakis & Haberl 1993; S94: Schmidtke et al. 1994; W91: Wang et al. 1991; O97: Orio et al. 1997