

A MORE COMPLETE LISTING OF LMC PLANETARY NEBULAE

N. Sanduleak

Warner and Swasey Observatory

Case Western Reserve University, Cleveland, Ohio

In an earlier paper by Sanduleak et al. (1978) a listing was given of 102 confirmed and probable planetary nebulae in the Large Magellanic Cloud detected on objective-prism plates taken with the Curtis Schmidt telescope at Cerro Tololo. Subsequently, deeper coverage was obtained on nitrogen-baked Kodak IIIa-J plates plus GG 455 filter exposed for 90 minutes. The thin prism was again used to provide a dispersion of about 1500 \AA mm^{-1} at H β and the spectra were unwidened. An additional 25 planetary nebula candidates were found on this new plate material to show the requisite characteristics, i.e. they display (a) a stellar appearance, (b) [OIII] $\lambda\lambda 5007, 4959$ strongly in emission, and (c) no evidence of a continuum.

These additional candidates are given in Table I along with an outlying planetary recently reported by Savage et al. (1982) which is positioned just outside of the region covered by our plate material. Figure 1 is the updated version of Figure 3 in Sanduleak et al. (1978) and shows the surface distribution of 127 spectroscopically detected planetaries (No. 103 is not included). The centroid of the distribution and the earlier conclusions concerning the radial dependence of the surface density of the planetaries are essentially unchanged by the addition of these 26 objects.

REFERENCES

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Lindsay, E.M., and Mullan, D.J.: 1963, *Irish Astron. J.* 6, 51.
Sanduleak, N., MacConnell, D.J., and Philip, A.G.D.: 1978, *Pub. A.S.P.* 90, 621.
Savage, A., Murdin, P.G., and Clark, D.H.: 1982, *Observatory* 102, 229.

Table I. Additional LMC Planetary Nebulae

No.	R.A.	1975	Dec.	Remarks or Name(s)
103	3 ^h 31 ^m .7	-69 ^o	30'	Or faint emission-line galaxy.
104	4 24.7	-69	43	LM1-1
104A	4 25.4	-66	51	Savage et al. (1982)
105	5 02.7	-69	28	
106	5 03.2	-68	35	
107	5 06.9	-69	17	LM2-6
108	5 07.5	-69	22	
109	5 12.0	-69	25	LM2-13, J5
110	5 12.3	-68	31	
111	5 15.6	-69	30	J 15
112	5 18.9	-69	12	J 20
113	5 20.2	-69	27	J 26
114	5 21.2	-70	06	J 31
115	5 21.5	-69	44	J 33
116	5 24.8	-69	07	LM2-24, J 38
117	5 25.2	-69	17	
118	5 26.4	-69	02	J 41
119	5 29.6	-70	21	
120	5 29.8	-70	18	
121	5 30.7	-71	15	
122	5 34.6	-69	35	
123	5 34.7	-70	29	LM2-36
124	5 40.8	-67	18	
125	5 42.5	-67	38	
126	5 53.5	-70	25	
127	5 55.0	-71	08	

LM1 = Lindsay and Mullan (1963), Table 1.

LM2 = *ibid*, Table 2.

J = Jacoby (1980).

Figure 1. Surface distribution of 127 LMC planetary nebulae

