

## LISTS OF CONFIRMED PLANETARY NEBULAE IN THE MAGELLANIC CLOUDS

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Very deep, blue and red-sensitive objective-prism plates, taken with the Curtis Schmidt telescope at the Cerro Tololo Inter-American Observatory, were used to survey both Magellanic Clouds for unresolved objects which could be classified as highly probable planetary nebulae. The high sensitivity of the baked Kodak IIIa-J emulsion at 5000 Å made it possible to detect the  $N_1$  and  $N_2$  lines of [OIII] in fainter objects than previously observed. A number of emission-line stars, compact HII regions, and very-low-excitation objects, formerly considered to be probable or possible planetaries, were recognized and excluded. The final lists contain 27 confirmed planetaries in the SMC and 100 in the LMC, a ratio equivalent to the estimated ratio of total mass in the two systems. As would be expected, most of these objects had been detected in previous objective-prism surveys but some apparently new planetaries were found.

## DISCUSSION

Bonilha: Do you have magnitudes for the planetary nebulae in the Clouds? And what is the range in magnitudes?

Sanduleak: No, I do not have any photometry available. I would estimate the survey of planetaries to be complete in the absolute blue magnitude range of -3 to about -1.