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A SUPERNOVA IN MCG+07-29-043

On a 75 min. exposure objective-prism plate taken with the Burrell Schmidt telescope at our Kitt Peak observing station on March 11, 1981, a supernova has been found in the 14th mag. spiral galaxy MCG+07-29-043 (1950: $\alpha = 14^{\text{h}} 01^{\text{m}}.2$, $\delta = + 38^{\circ} 46'$). The supernova, estimated to have been at $B \sim 15$ mag. at the time, is situated in the outer region of the galaxy approximately 12 arc seconds west and 8 arc seconds south of the nucleus. No image is visible at this position on the POSS charts. The unwidened spectrum, as recorded at a dispersion of 1360 \AA mm^{-1} at H_{γ} on baked IIIa-J emulsion, shows apparently broad emission features centered at $\lambda 4650$, 4280, 3960, and 3660 and equally broad absorption troughs centered at $\lambda 4470$, 4130, and 3810. The $\lambda 4650$ feature contains the strongest emission. The apparent absence of H_{β} in emission suggests that this was a Type I supernova.

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