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NOVA SCORPII 1985

On 24 Sept. 1985, Liller (1985), Vina del Mar, Chile, discovered a nova in Scorpius ($17^{\text{h}}53^{\text{m}}19^{\text{s}}.4$; $-31^{\circ}49'09''$ (1950)). The object was of 10.5 mag.

I started photographing parts of the Milky Way near Baade's windows in the constellations of Sco and Sgr, to find faint novae in outburst in July 1981. I worked with the GPO at La Silla (ESO). In July 1981 I photographed 20 fields on Kodak IIaO 160x160 mm plates. The field was $2^{\circ} \times 2^{\circ}$. In the same year I photographed the fields three times and treated the plates with a blink-comparator. In June 1982 Dr. Duerbeck from Muenster photographed a part of the fields, and then in August 1985 I observed once more.

With the Optronics of ESO in Garching I found the pre-nova and could identify this object on some plates. The field No.9 in my numeration with the coordinates of midpoint $17^{\text{h}}53^{\text{m}}$ and -31° (1985) shows the pre-nova near the center of the plate. I estimated the following magnitudes:

Date	Plate No.	mag. of the pre-nova
23 July 1981	4853 GPO	16
7 Aug. 1981	4892 GPO	17
19 June 1982	5684 GPO	(17)
27 June 1982	5705 GPO	(17)
11 Aug. 1985	8649 GPO	16
17 Aug. 1985	8671 GPO	17.5

On the plate No.456 of SRC (J) one can easily identify the pre-nova as a star of 17th mag. The identification chart of the nova is shown in Figure 1.

I thank the ESO for using the instruments and stay at La Silla and Garching.

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Reference:
Liller, W., 1985, IAU Circ., No. 4118.

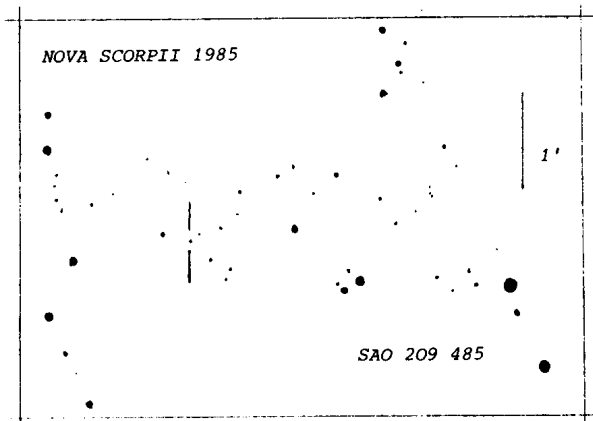


Figure 1. Identification chart of the Nova Scorpii 1985. It is reproduced from the plate No. 8671 GPO