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OPTICAL BEHAVIOUR OF THE X-RAY BINARY V1727 CYGNI  
 = 4U 2129 + 47 IN THE SEASON 1987/88

The star was inspected on 49 blue-sensitive plates (ORWO-ZU 21 + GG 13. + BG 12) from 24 nights obtained with the 50/70/172 cm Schmidt camera of Sonneberg Observatory covering the time interval between 26 March 1987 and 13 January 1988.

The individual estimates, listed in Table I are linked to the sequence of comparison stars given by Wenzel (1983).

Table I

J.D. hel. 244...	m <sub>B</sub>	Rem.	J.D. hel. 244...	m <sub>B</sub>	Rem.
6881.601	>17.5	inv	7029.454	>17.5	inv
6884.588	>17.9	inv	7029.501	>17.9	inv
6884.605	>17.5	inv	7030.444	>17.9	inv
6885.587	>17.9	inv	7030.476	>17.9	inv
6885.606	>17.5	inv	7030.504	>17.5	inv
6909.566	>17.9	inv	7039.463	>17.5	inv
6910.554	18.3		7039.482	>17.5	<del>inv</del>
6910.573	18.4		7039.502	>17.5	inv
6914.553	>17.9	inv	7039.527	>17.9	inv
6914.570	>18.3	inv	7060.390	>17.9	inv
6917.554	>17.9	inv	7060.412	18.3	
6917.570	>17.9	inv	7060.439	18.4	
6939.532	>18.3	inv	7061.397	>17.9	inv
6941.512	>18.3	inv	7087.290	18.3	
6941.532	17.9		7087.311	>17.9	inv
6976.449	17.9::		7094.344	>17.9	inv
6976.467	18.1		7094.364	>17.5	inv
6976.485	>18.3	inv	7141.276	>17.9	inv
6977.483	>17.9	inv	7141.335	>17.9	inv
6977.499	>17.9	inv	7143.209	>17.5	inv
6983.495	>18.1	inv	7152.290	>17.5	inv
7028.422	18.0:		7152.309	>17.9	inv
7028.456	>17.9	inv	7174.222	>18.3	inv
7028.475	>17.9	inv	7174.248	>17.5	inv
7029.454	>17.5	inv			

On most of the plates the stars is below the plate limit. The object is visible only on 8 plates. The brightness varies there between  $m_B = 17.9^m$  and  $m_B = 18.4^m$  and characterizes, as in former series (Götz, 1985, 1986, 1987), the low or inactive state of the star, which probably started near 7 September 1983 (Wenzel 1983).

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