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 1968 November 14

UBV OBSERVATIONS OF NOVA DELPHINI

Nova Delphini was observed by the writer on 15 nights between July 1967 and September 1968 with a refrigerated 1P21 photomultiplier on the 60 cm Zeiss reflector of the Vatican Observatory, using a Knick DC amplifier and a Brown recorder. Several Johnson-Morgan Standard Stars were observed each night;  $\alpha$  Delphini was used as a check star. The observations were reduced with an IBM 1620 computer, using the programme prepared by F.C. Bertiau (Ricerche Astronomiche, Vol.6, No.20, 1963).

In the table are listed the heliocentric J.D., and the V, B-V and U-B observations of the Nova. Observations of lower weight are indicated by a colon.

J.D.hel. 2,400,000+	<u>V</u>	<u>B-V</u>	<u>U-B</u>	J.D.hel. 2,400,000+	<u>V</u>	<u>B-V</u>	<u>U-B</u>
39686.3632	5. <sup>m</sup> 64	+0. <sup>m</sup> 27	-0. <sup>m</sup> 70	40060.3472	6. <sup>m</sup> 54	+0. <sup>m</sup> 18	-0. <sup>m</sup> 98
.3652	5.69	.27	-0.73	.3491	6.54	.18	-1.00
704.4048	5.49	.24	-0.60	066.3428	6.33	.28	-0.92
707.3262	5.50	.24	-0.63	.3435	6.64	.26	-0.94
.3280	5.50	.25	-0.62	068.3632	6.83	.32	-0.93
709.3256	5.51	.27	-0.52	.3648	6.83	.33	-0.93
.3286	5.49	.26	-0.54	088.3382	6.83	.38	-0.82
711.3420	5.47	.26	-0.53	.3399	6.83	.39	-0.83
.3437	5.47	.25	-0.53	089.3356	6.84	.39	-0.83
792.2817	4.81:	.27:	-0.27:	.3372	6.84	.39	-0.82
.3358	4.81:	.25:	-0.30:	124.3122	6.89	.40	-0.75
.3374	4.83:	.24:	-0.31:	.3138	6.88	.41	-0.74
818.3035	4.80	.29	-0.37	125.3078	6.89	.44	-0.69
.3052	4.81	.29	-0.38	.3094	6.89	.45	-0.71
819.2543	4.88	.29	-0.36				
.2559	4.87	.28	-0.36				

Specola Vaticana  
 Castel Gandolfo  
 7 November 1968

D.J.K. O'CONNELL