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NEW TIMES OF MAXIMUM LIGHT OF THE
 DELTA SCUTI STAR DY Peg

DY Peg, which was discovered in 1934 (Morgenroth, 1934) has been extensively studied. (See Mahdy and Szeidl, 1980, for a review of previous references on this star up to 1979). Since new determinations of maximum light would help in the determination of its period of pulsation, as well as of its period variation, further observations were carried out.

The observations were made with the 1 m telescope at the Observatorio de Tonantzintla, Mexico, with a high speed, two-channel photometer that allows the observation of the variable and the reference stars simultaneously. A description of the photometer can be found in Nather and Warner (1971). White light and an integration time of 10 seconds were employed. Table I lists all the new times of maxima determined and the O-C residuals calculated with the ephemeris found by Peña and Peniche (1985). With 683 times of maximum light covering a time span of 46 years they found the following light elements:

$$T_{\max} = 2437178.3729 + 0.07292633E-2.20 \times 10^{-13} E^2$$

An analysis of the whole data set of the times of maximum light, that would allow an accurate ephemeris of this star will be published elsewhere.

Table I

Times of maximum light of the Delta Scuti star DY Peg observed in 1984			
Date	Time of Maxima (HJD-2440000.0)	O-C (d)	Observer
Nov. 3	6007.7784	-0.0008	JHP, RP
14	6018.7999	0.0039	AQ, AP
15	6019.5916	-0.0016	AQ, AP
	6019.6634	-0.0027	AQ, AP
17	6021.6357	0.0001	JHP, RP
18	6022.5835	0.0003	JHP, RP
Dec. 18	6052.6290	0.0002	JHP
20	6054.6000	0.0022	MAH, JHP
21	6055.6180	-0.0008	MAH
22	6056.6393	-0.0005	MAH

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