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HR 2989: A NEW DELTA SCUTI STAR

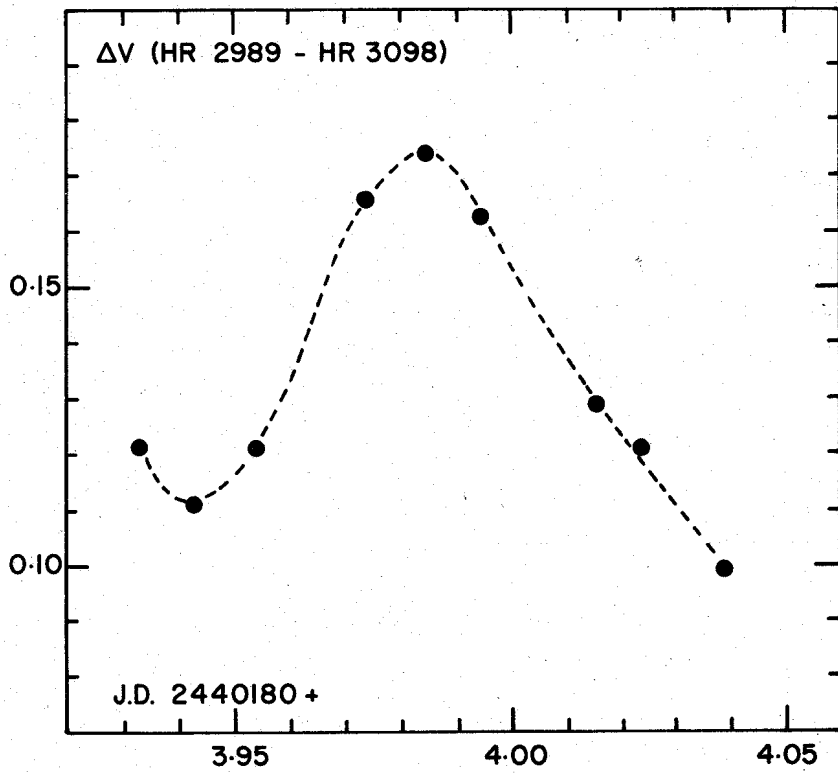
In the course of a search for Delta Scuti variables among nearby A and F stars, the star HR 2989 /HD 62437;  $m_v = 6.47$ ; spectral type F0/, which was being used as a comparison star in the search program, was found to vary in brightness. The star was observed on the night of November 21-22, 1970, using a 41-cm. reflector at Kitt Peak National Observatory. The instrumentation and observing procedure have been described elsewhere /Percy, J.R. 1969, J.R.A.S.C. 63, 233/. The observations, made through a V filter relative to HR 3098, are listed in Table 1 and shown in Figure 1. The constancy of HR 3098 was determined by means of a check star HR 2711.

The period of HR 2989 is about 0.12 day, and the amplitude is about 0.1 magnitude, large enough so that simultaneous spectroscopic and photometric observations might profitably be made.

TABLE 1

Observations of HR 2989; November 22, 1970

U.T.	Heliocentric J.D.	$\Delta V/2989-3098/$
10:24	2440183.933	0.121
10:37	3.942	0.111
10:54	3.954	0.121
11:22	3.974	0.165
11:38	3.985	0.174
11:54	3.994	0.162
12:21	4.015	0.129
12:33	4.024	0.122
12:55	4.038	0.099



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