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FURTHER OBSERVATIONS OF SX PHOENICIS

Seventeen times of maximum light of SX Phe were observed during 1979, and were subsequently analysed to find whether the fundamental and first overtone periods of the star had changed from the values determined by Coates et al. (1979).

Based on these previously determined values of the periods, we have tabulated the residuals (observed-calculated) for the 17 maxima. The rms value of the residuals is 0.0010 day, which can be accounted for by experimental error. We thus conclude that there has been no significant change in the accepted periods of

$$P_0 = 0.054964438 \text{ day}$$

$$P_1 = 0.042772692 \text{ day}$$

Table I

Observed times of maximum light of SX Phe
for 1979

(fundamental cycles are for Epoch HJD 2438636.6170)

	Cycle No.	$t_{\max}(\text{obs.})$ HJD+2440000.0	Residual (obs-calc)
1	98128	4030.1687	-0.0009
2	99583	4110.1453	+0.0026
3	99966	4131.1959	+0.0007
4	99981	4132.0155	+0.0001
5	100126	4139.9847	+0.0006
6	100127	4140.0467	+0.0026
7	100129	4140.1482	+0.0002
8	100290	4148.9979	-0.0002
9	100799	4176.9751	+0.0009

Table I (cont.)

	Cycle No.	$t_{\max}(\text{obs.})$ HJD+2440000.0	Residual (obs-calc)
10	100800	4177.0326	+0.0003
11	100801	4177.0906	+0.0001
12	100802	4177.1409	-0.0001
13	100928	4184.0682	0.0000
14	100929	4184.1206	+0.0011
15	100930	4184.1790	+0.0002
16	100965	4186.1038	+0.0018
17	100966	4186.1585	-0.0009

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Reference:

Coates, D.W. et al., 1979, Mon.Not.R.Ast.Soc. 187, 83 - 89