

UPDATED PERIODS FOR FIVE STARS IN SAGITTARIUS
AND ONE IN LYRA

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Abstract

The periods for V1673 Sgr, V1674 Sgr, V1679 Sgr and V1675 Sgr have been reconfirmed; the periods for V1671 Sgr and FP Lyr have been slightly revised.

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Periods for the following have been reconfirmed on the basis of plates for the years 1924-1978, and more recent JD_o 's are given in the following Table.

<u>Star</u>	<u>JD_o (Max)</u>	<u>Period (Days)</u>
V1673 Sgr	2436110	103
V1674 Sgr	2440410	195
V1679 Sgr	2442360	242

Although V1675 Sgr is 14th magnitude at maximum, a magnitude quite easily reached on the Nantucket plates, its proximity to another 14th magnitude star makes it difficult to resolve. Best estimates do not contradict the 340 day period. The elements would still be

$$JD(\text{Max}) = 2424360 + 340n.$$

A recent well-observed epoch of maximum is not available. A plate scale somewhat larger than the 248"/mm of the Nantucket plates is needed.

The period for V1671 Sgr has been revised from 191^d to 190.5^d yielding the elements

$$JD(\text{Max}) = 2442350 + 190.5n.$$

The period for FP Lyr has been revised from 270^d , which had been listed as questionable in the GCVS, to 278^d , giving the elements

$$JD(\text{Max}) = 2443375 + 278n.$$

The observations span the interval 1930-1978.

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