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TIME OF MINIMUM FOR WY HYDRAE

The eclipsing binary WY Hya was observed photoelectrically on the UB<sub>v</sub> system on one night in March, 1970 at the No. 1 16-inch telescope of the Cerro Tololo Inter-American Observatory. There are just enough observations to roughly determine a time of secondary minimum. Solov'yev's /1958/ star "a" was used for the primary comparison star.

Column 1 in Table A lists the heliocentric Julian date. Columns 2, 3 and 4 list the differential V, /B-V/ and /U-B/ magnitude and color indices in the sense variable minus comparison.

Table A

HJD	$\Delta V$	$\Delta /B-V/$	$\Delta /U-B/$
2440676.5689	+1.262	+0.336	-0.126
.5713	1.317	.326	-0.112
.5758	1.409	.292	-0.082
.5780	1.399	.338	-0.102
.5849	1.526	.329	-0.048
.5868	1.532	.331	-0.143
.6006	1.396	.308	-0.130
.6030	1.284	.368	-0.112
.6080	+1.205	+0.334	-0.078

The derived heliocentric Julian Day time of secondary minimum is HJD 2440676.587  $\pm$  0.001. Based upon the ephemeris quoted by Koch, Sobieski and Wood /1963/, the O-C for this secondary minimum is -0.0029.

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References

- Koch, R.H., Sobieski, S., and Wood, F.B. 1963, Publ. of Univ. of Pennsylvania, Astronomical Series, Vol.9.  
 Solov'yev, A.V. 1958, Peremennye Zvezdy, 12, 262.

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