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TIMES OF MINIMUM AND DURATIONS OF ECLIPSE

In the fall of 1965 several eclipsing binaries were observed photoelectrically at Kitt Peak with a 16-inch telescope. For each binary the table lists the duration of totality (when it was observed) and the estimated uncertainty. Also listed for each is the O-C time of minimum, calculated from the elements in the Finding List.

Eclipsing Binary	O - C		d	
	hrs:mins	± mins	hrs:mins	± mins
U Cep	2:28	± :15	2:00	± :25
X Tri	:36	± :01	:18	± :03
ST Per	-1:33	± :02	:52	± :05
RW Tau	-2:03	± :05*	
RW Per	:42	± :05	2:15	± :30
TW Dra	:19	± :07*	
U Sge	:07	± :01	1:50	± :05
SW Cyg	1:54	± :05	
W Del	2:20	± :03	1:42	± :10
RT Lac pri	-3:20	± :15	:45	?
sec	-3:35	± :15	:45	?
AR Lac pri	:50	± :03*	
sec	:55	± :10*	
TW And	1:02	± :03	2:06	± :10

For the four cases marked with *, only one internal contact was observed but the O-C was determined nevertheless by assuming a value of d from another source. U Cep is well known to have a variable duration of totality, so the averaging of several minima observed during October caused the relatively large uncertainty. For RT Lac it is not certain that the eclipses are complete, so both values should be considered approximate upper limits.

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