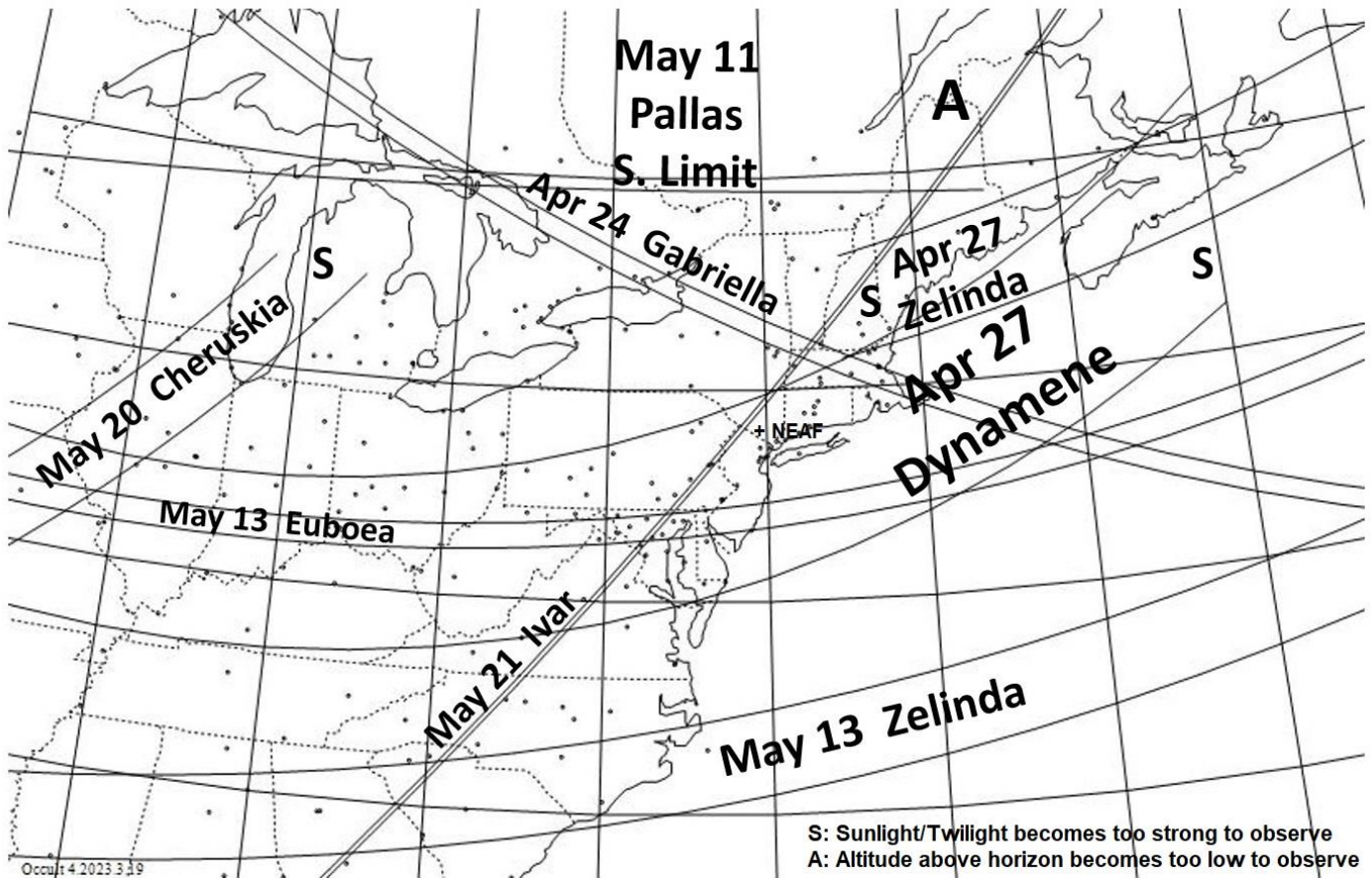


Asteroidal Occultations for northeastern USA, 2023 April 15 - May 31 to mag. 11.5



S: Sunlight/Twilight becomes too strong to observe
 A: Altitude above horizon becomes too low to observe

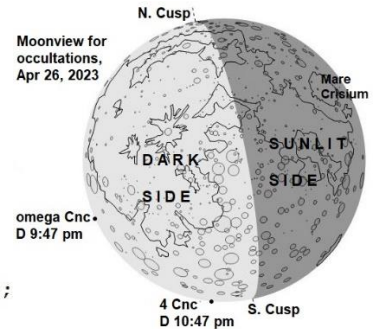
Date	U.T.	Diam	Dur	Star	Mag	Elong	Star	Asteroid	Star R.A. (J2000)	Dec.
mo dy	h m	km	s	mag drop	o	No.	No Name	h m s o ' "	Path	
Apr 24	4 49-52	24	3	10.4	3.5	157	UCAC4 415-056016	355 Gabriella	12 34 27.4 - 7 11 53	MA-ON
Apr 27	0 47-48	130	10	11.5	1.0	106	UCAC4 397-045366	654 Zelinda	9 11 52.9 -10 39 20	NH-NS
Apr 27	7 41-43	131	12	11.2	2.1	152	TYC 7328-00981-1	200 Dynamene	15 53 46.0 -30 21 31	NS-MO
May 11	3 8- 9	532	17	7.3	1.6	73	HIP 39848	2 Pallas	8 8 27.6 + 5 21 59	ME-MN
May 13	2 29-30	130	7	10.9	1.6	97	TYC 5465-00901-1	654 Zelinda	9 35 24.7 -10 25 26	MS-NC
May 13	5 38-40	31	3	11.5	2.8	174	UCAC4 376-070369	1119 Euboea	14 59 53.3 -14 57 18	NJ-MO
May 20	9 5- 5	81	2	10.4	4.6	51	TYC 1181-01068-1	568 Cheruskia	0 10 36.1 +17 31 15	MO-MI
May 21	1 18-35	9	5	9.9	4.0	118	TYC 1445-01950-1	1627 Ivar	12 23 34.6 +15 49 46	QC-GA

Total Lunar Occultations for Rockland CC, Long. -74.088, Lat. +41.133, Alt 174m 2023

Date	Day	EDT	Ph	Star	Mag	% alt	CA	Sp.	Notes
Apr 21	Fri	20:34	D	ZC 489	6.8	4+ 11	26S	K5	Sun alt. -10, Az. 287
Apr 25	Tue	23:40	D	47 Gem	5.8	33+ 19	78S	A4	ZC 1088
Apr 26	Wed	21:47	D	omega Cnc	5.9	42+ 48	76S	G8	ZC 1206
Apr 26	Wed	22:47	D	4 Cancri	6.3	42+ 37	16S	A1	ZC 1211, triple star

4 Cancri is triple: magB 11.0, sep. 45", PA 27; magC 11.6, sep. 106", PA 295

% is the percent of Moon's disk sunlit; CA is the cusp angle, measured around the Moon's disk from the N or S cusp, towards the center of the dark side (CA 90); Sp. is the star's spectral type.



For more predictions, see the Mid-Atlantic occultations page at <http://iota.jhuapl.edu/exped.htm> and Steve Preston's worldwide IOTA predictions page at <https://www.asteroidoccultation.com/>.

Occult Watcher, for events at your home or area for next 6-8 weeks at <http://www.occultwatcher.net/>.

Occult4, for the rest of the year, is a free program for generating your own predictions with instructions and obtainable from <http://www.lunar-occultations.com/iota/2023iotapredictions.pdf>.

Asteroidal occultation maps and info. are on pages 243-251 of the 2023 RASC Observer's Handbook and at <https://occultations.org/publications/rasc/2023/nam23MBoccs.htm>, with links to important occultations by Near-Earth Asteroids and Special Main-Belt Asteroids (with moons, etc.) given near the bottom of that page.

Visit IOTA's main page at <https://occultations.org/> for much more information. D. & J. Dunham, Apr. 13, 2023