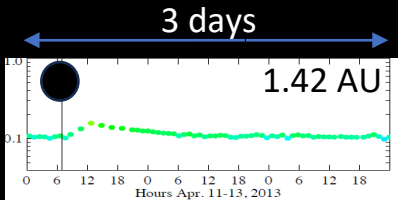


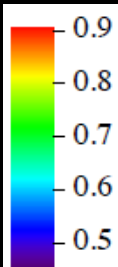
Clock Distribution of Mars
Ground Level Enhancements
2012 - 2024



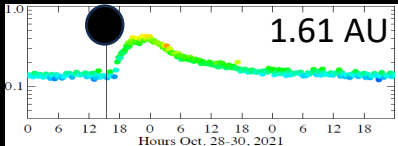
#1 Apr. 11, 2013

Onset at Mars:
Daytime 
Nighttime 

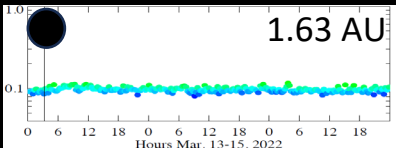
B/E Dose
Rate Ratio



No event(s)

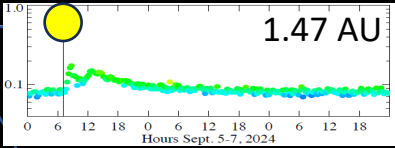


#8 Oct. 28, 2021 also: #2, 5, 14

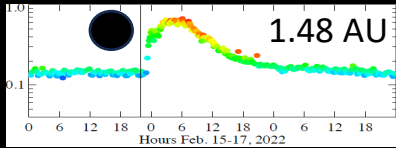


#11 Mar. 13, 2023

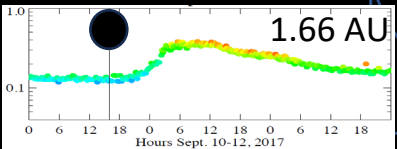
No event(s)



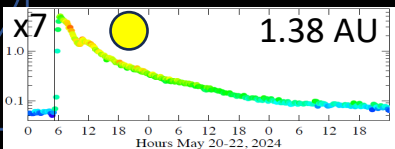
#17 Sept. 5, 2024



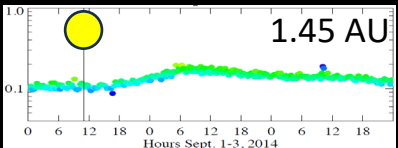
#9 Feb. 15, 2022 also: #13, 16, 19



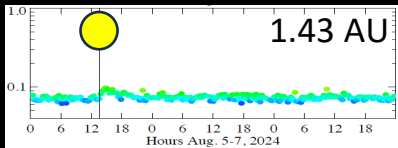
#7 Sept. 10, 2017



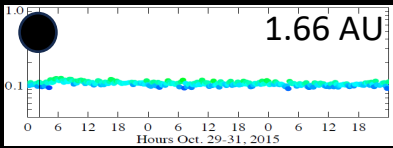
#12 May 20, 2024 also: #3



#4 Sept. 1, 2014 also: #18



#15 Aug. 5, 2024



#6 Oct. 29, 2015 also: #10



Mars