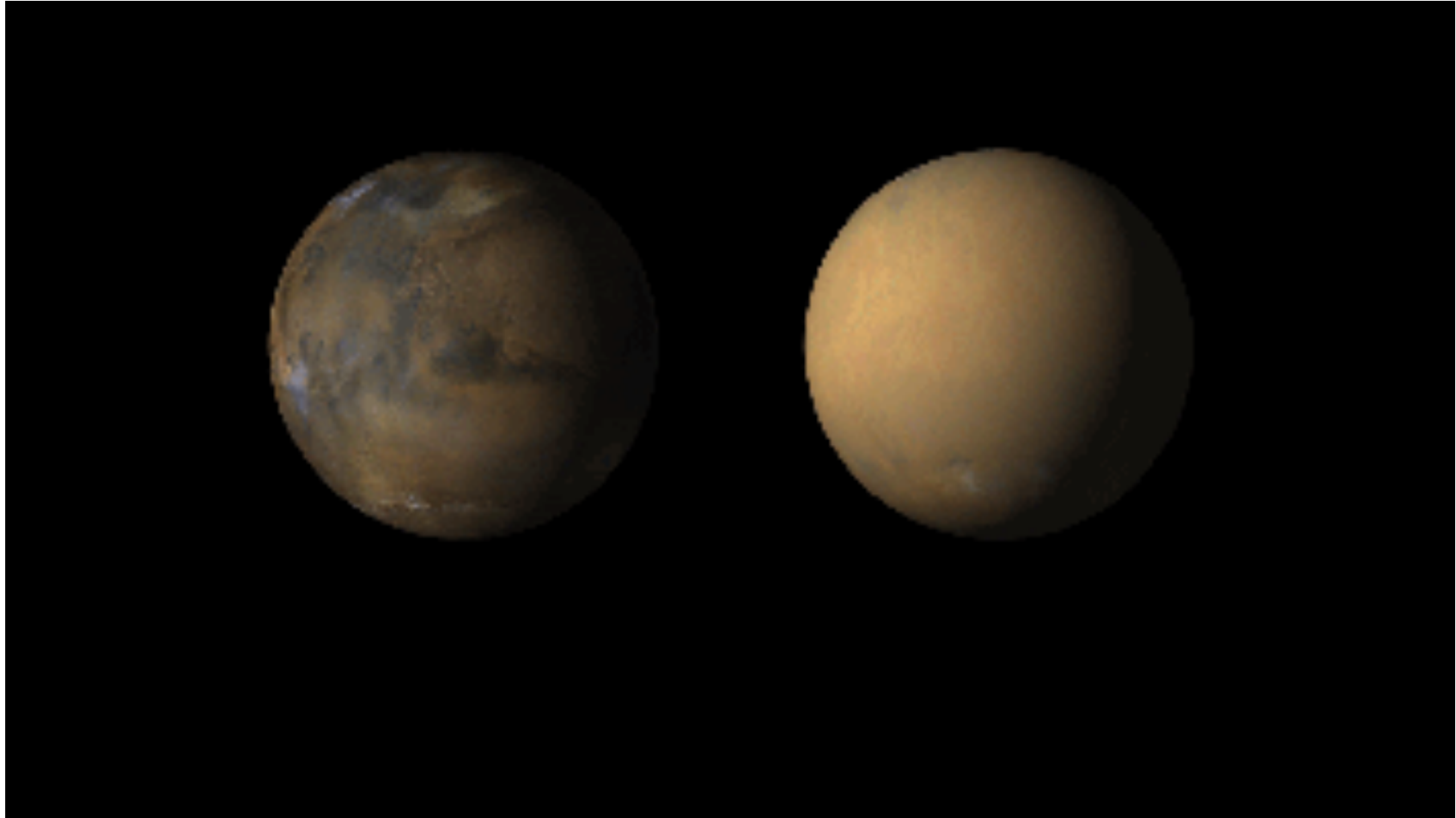


# That Was the Week That Was

AST 105

30 August 2018

# The Martian Dust Storm Clears



Maximum optical depth: 10.8; now 2.5 (transmission =  $e^{-\tau}$ )

$\tau = 10.8 \rightarrow 2 \times 10^{-5}$  transmission)

$\tau = 2.5 \rightarrow 8\%$  transmission)

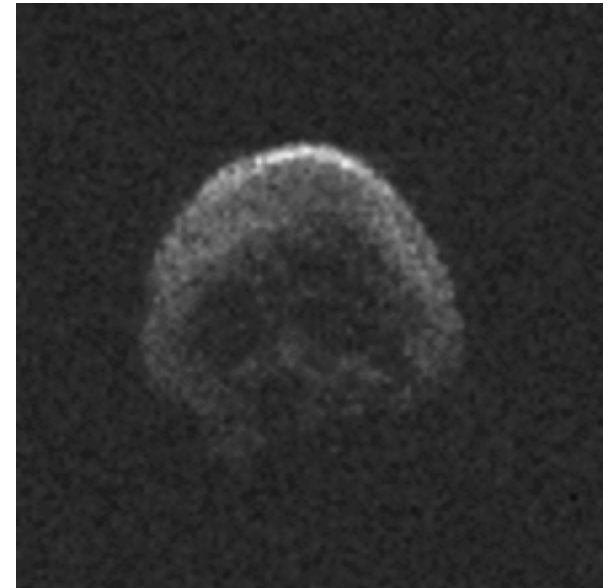
# But Still Signal from Opportunity



The Fading Sun seen by Opportunity

# Near Misses

- 2016 NFB23, Aug 27, 13.2  $L_D$
- 1998 SD9, Aug29, 4.2  $L_D$ 
  - ~68 m diameter
- 2018 DE1 Aug 30, 15.8  $L_D$
- 2014 US7, Oct 17, 3.2  $L_D$
- 2015 TB145, November, 105  $L_D$ 
  - The 2017 Halloween asteroid
  - ~120 m diameter



# Upcoming Dates

- Friday Sept 7: Astronomy Open Night  
*“Novae”*

Dr. F. Walter.

7:30 PM, ESS 001