

Changes due to the lower atmosphere have an effect but are not included in this study. How much of a difference would it make?

GOLD observation of the July 2, 2019 eclipse will help address these questions

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Fig IV. Left: Modeled change in O/N₂ at pressure level of -2 (top), 2 (middle) and neutral temperature at pressure level of -2 (bottom) due to the effect of the July 2, 2019 eclipse as simulated by TGCM at three different times, few hours after the eclipse. Right: Simulated changes in OI 1356/ N₂ LBH ratio (top) and effective temperature as seen by GOLD. Eclipse's path is shown in light gray.

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