



Atomic Hydrogen from SABER

Linda Hunt

Marty Mlynczak

The SABER Science Team

linda.hunt@ssaihq.com



References

Atomic hydrogen in the mesopause region derived from SABER: Algorithm theoretical basis, measurement uncertainty, and results

Martin G. Mlynczak, et al.

JGR Atmospheres, 119 doi: 10.1002/2013JD021263

Temporal Variability of Atomic Hydrogen From the Mesopause to the Upper Thermosphere

Liying Qian, et al.

JGR: Space Physics, 123, 1006–1017 doi: 10.1002/2017JA024998

Updated SABER Night Atomic Oxygen and Implications for SABER Ozone and Atomic Hydrogen

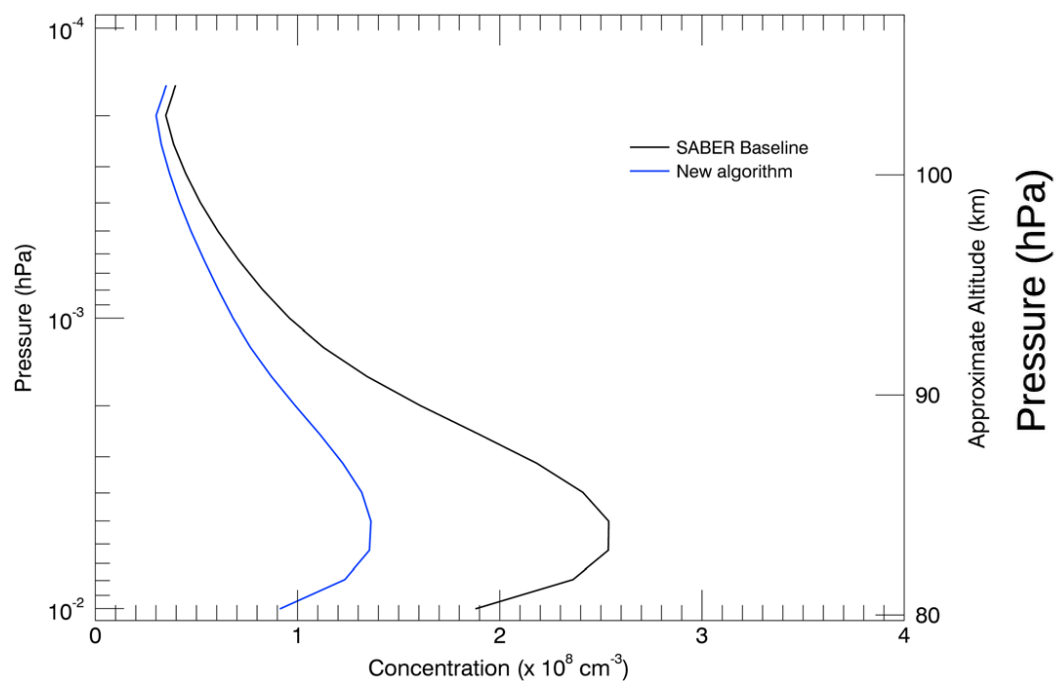
Martin G. Mlynczak, et al.

GRL, 45, 5735–574 doi: 10.1029/2018GL077377

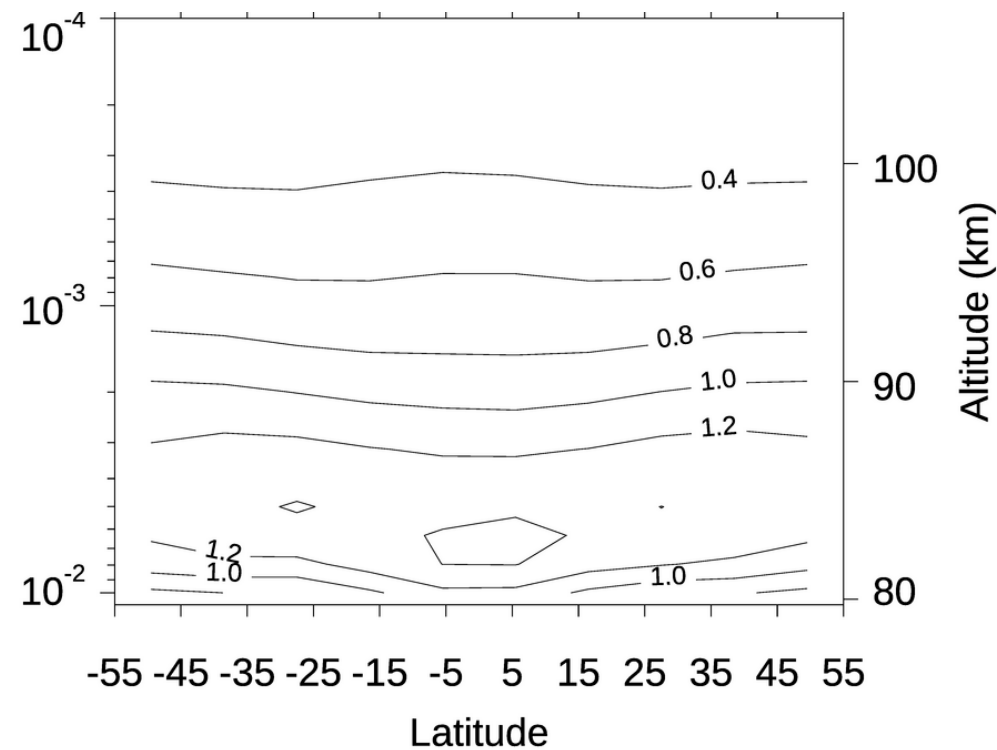


2018 Nighttime Atomic Oxygen Revision

Global Annual Average Nighttime, 2004

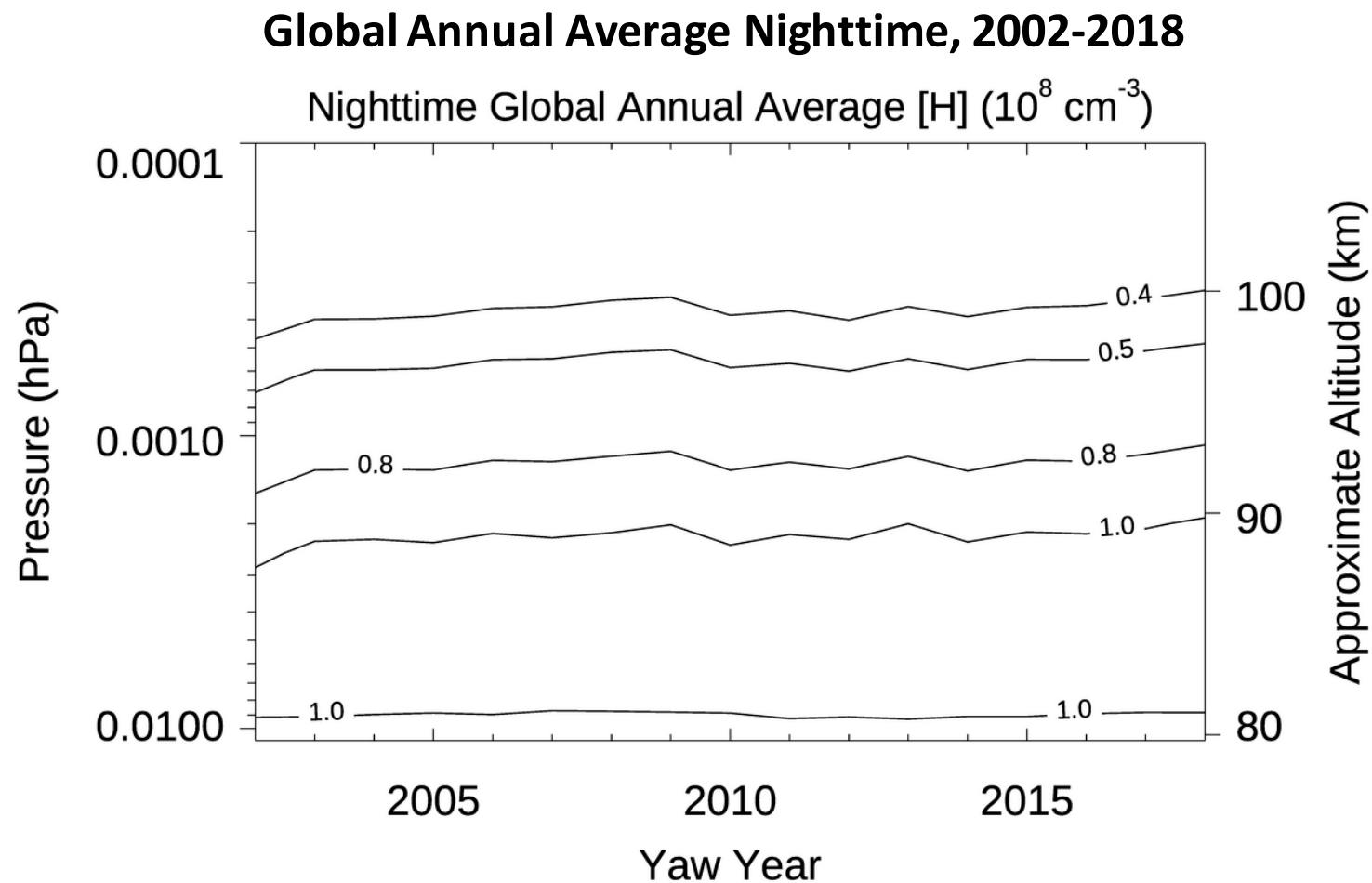


Zonal Annual Average, 2004





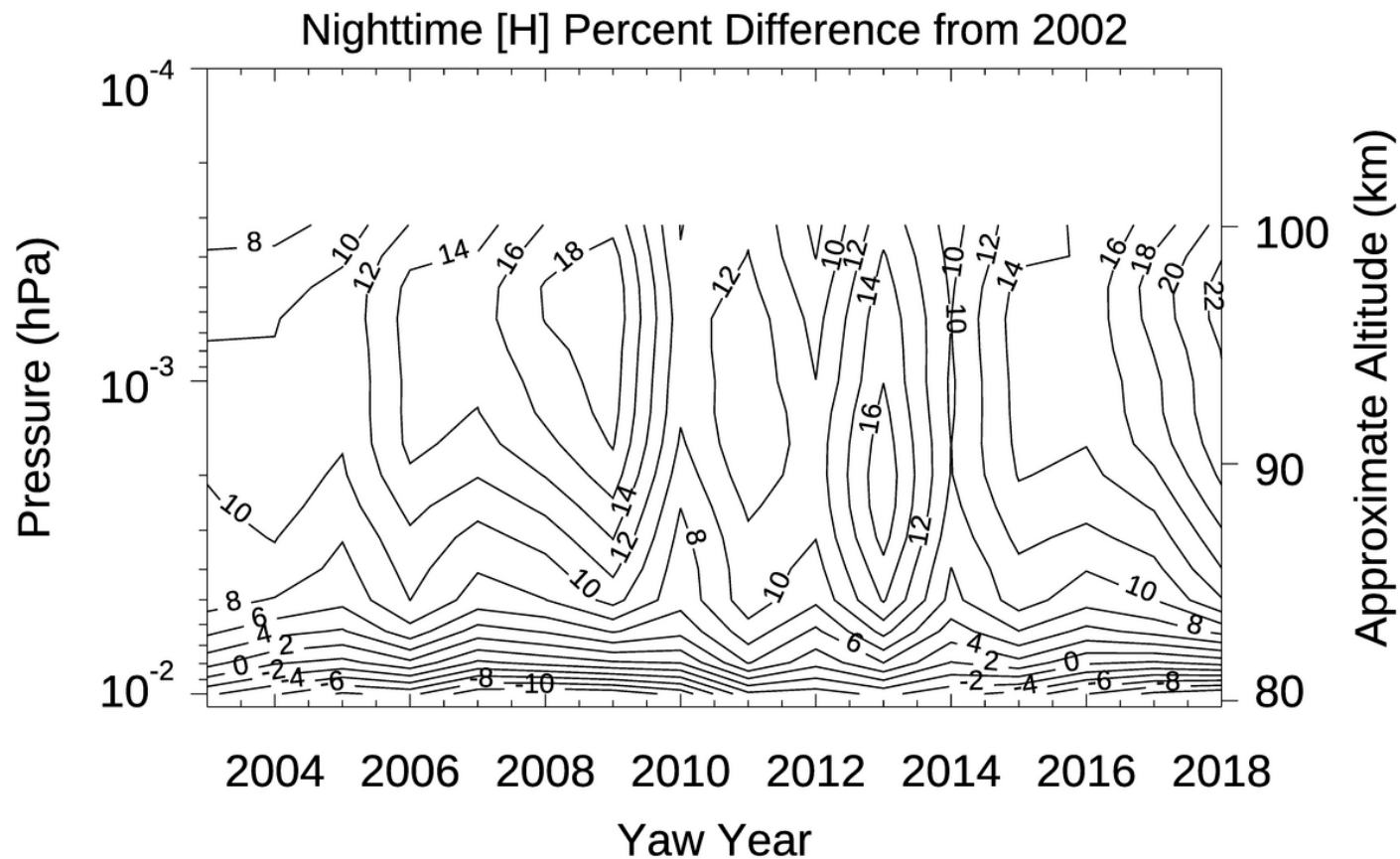
2018 Nighttime Atomic Oxygen Revision





2018 Nighttime Atomic Oxygen Revision

Global Annual Average Nighttime Percent Difference from 2002





References

Atomic hydrogen in the mesopause region derived from SABER: Algorithm theoretical basis, measurement uncertainty, and results
doi: 10.1002/2013JD021263

Temporal Variability of Atomic Hydrogen From the Mesopause to the Upper Thermosphere
doi: 10.1002/2017JA024998

Updated SABER Night Atomic Oxygen and Implications for SABER Ozone and Atomic Hydrogen
doi: 10.1029/2018GL077377

Update Nighttime Data

ftp://saber.gats-inc.com/Version2_0/SABER_atox/