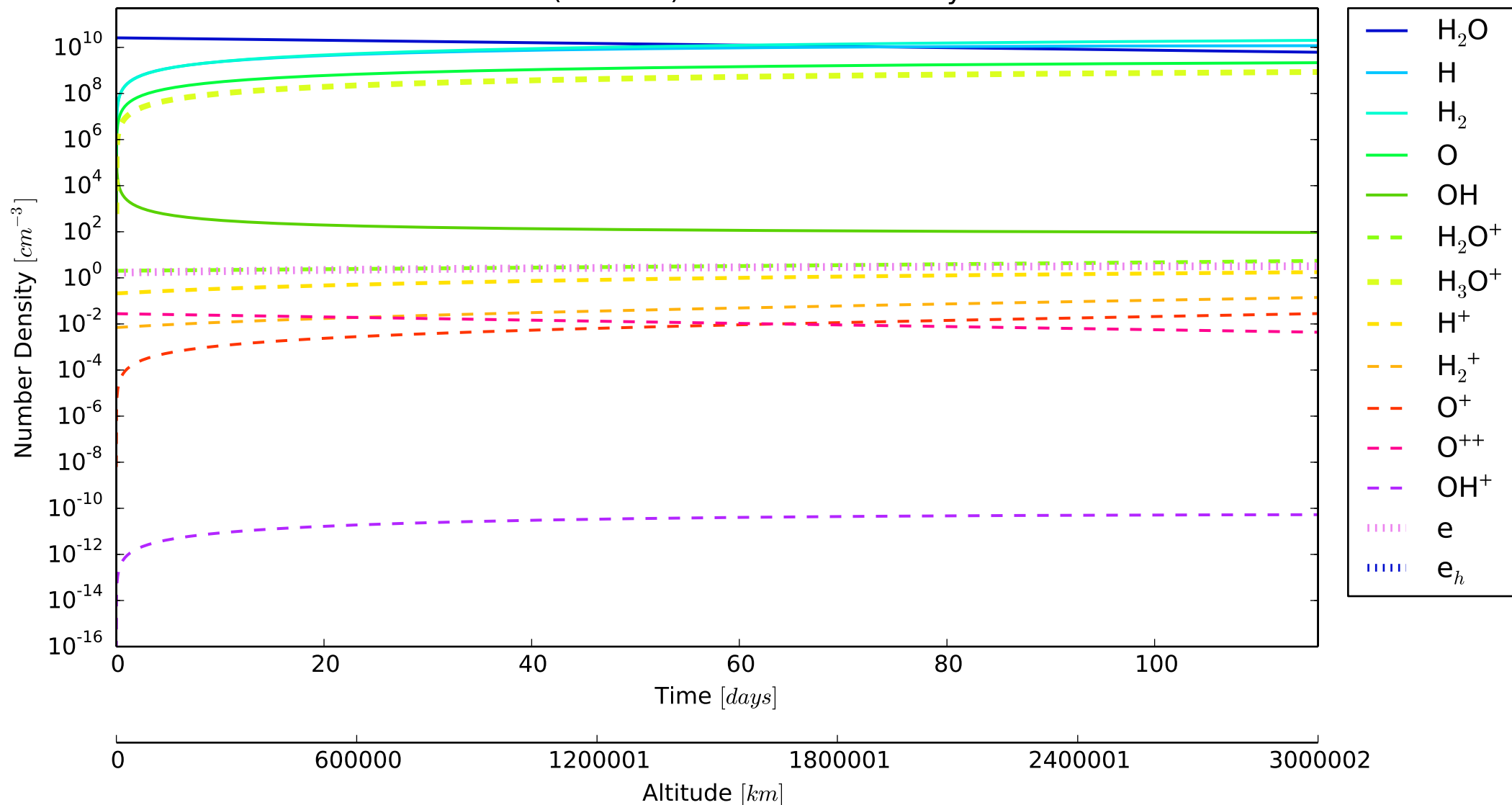


Time (Altitude) vs. Number Density



Assuming a constant outflow velocity of $300 \frac{\text{m}}{\text{s}}$
 Parcel in a box, no expansion.