

Global Ethane (C_2H_6) Trend

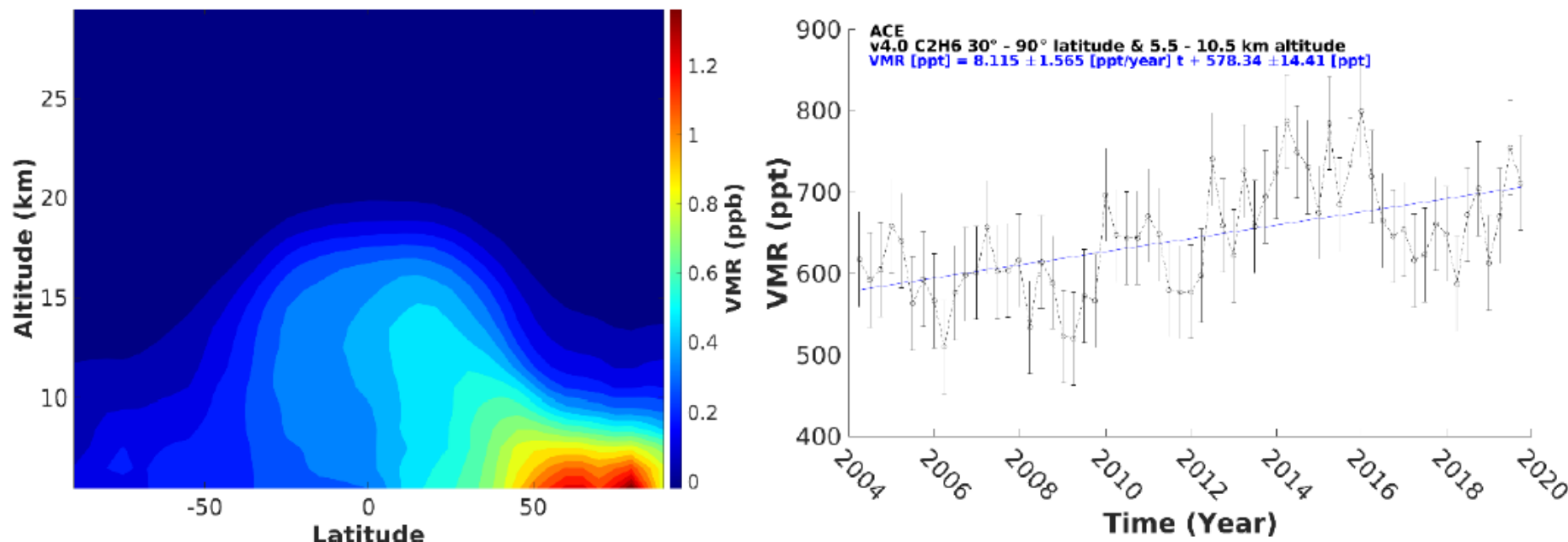


Figure 24. Altitude-latitude distribution for ethane, C_2H_6 (left), and trends from ACE-FTS (right). The ACE-FTS VMR trend values are the average of data from 30°N to 90°N latitude and 5.5 to 10.5 km in altitude.

44 molecules: Bernath *et al.* JQSRT 2020 & 2021

Main source of ethane is fugitive emissions from fossil fuel production.

Positive trend is attributed to increased natural gas production (“fracking”).