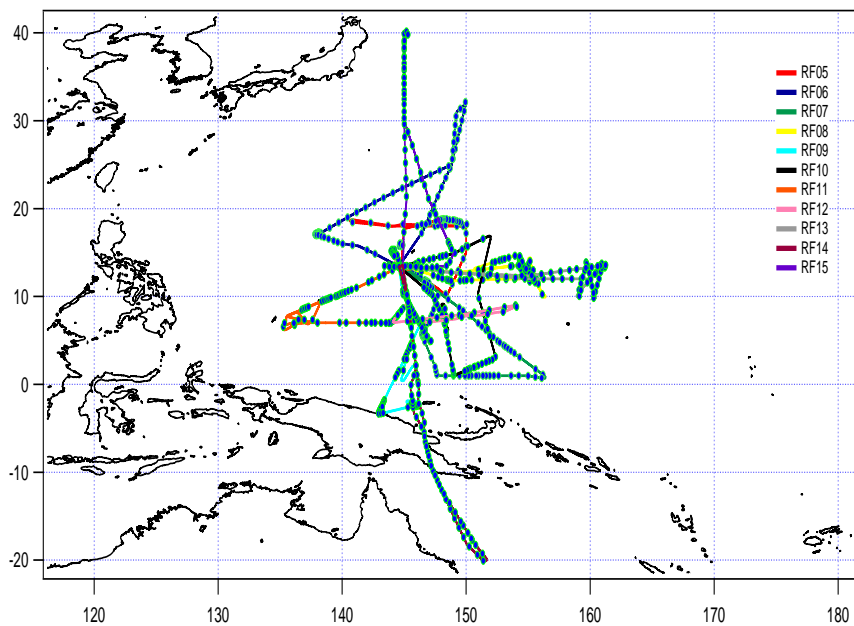


AWAS & GWAS: Transition to the TTL

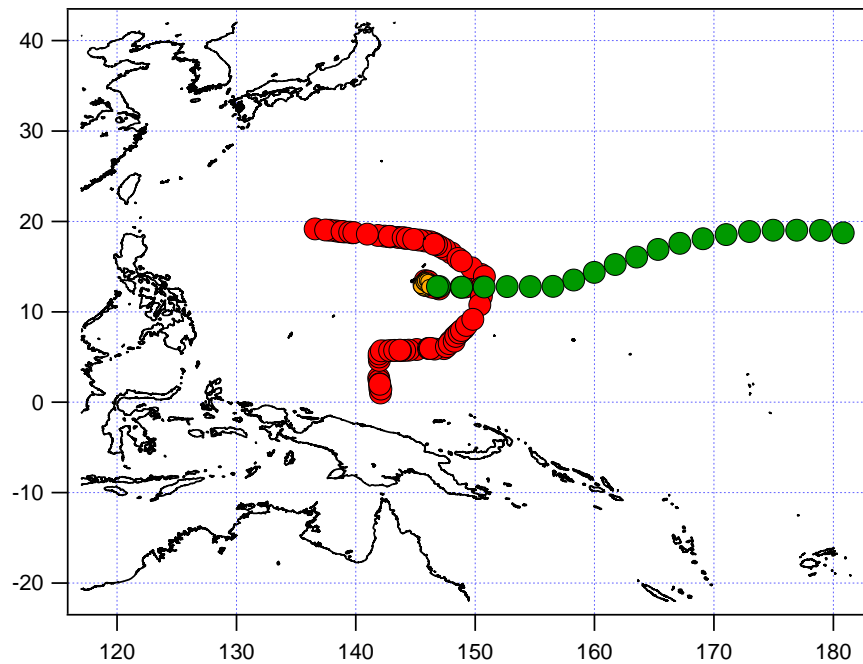
E. Atlas, S. Schauffler,
V. Donets, R. Lueb, M. Navarro

Motivation

- How does tropical convection in the West Pacific influence the composition of air entering the stratosphere?
 - CONTRAST: define vertical distributions and transport to/into the base of the TTL
 - ATTREX: evaluate variation and transport through TTL and into lower stratosphere.



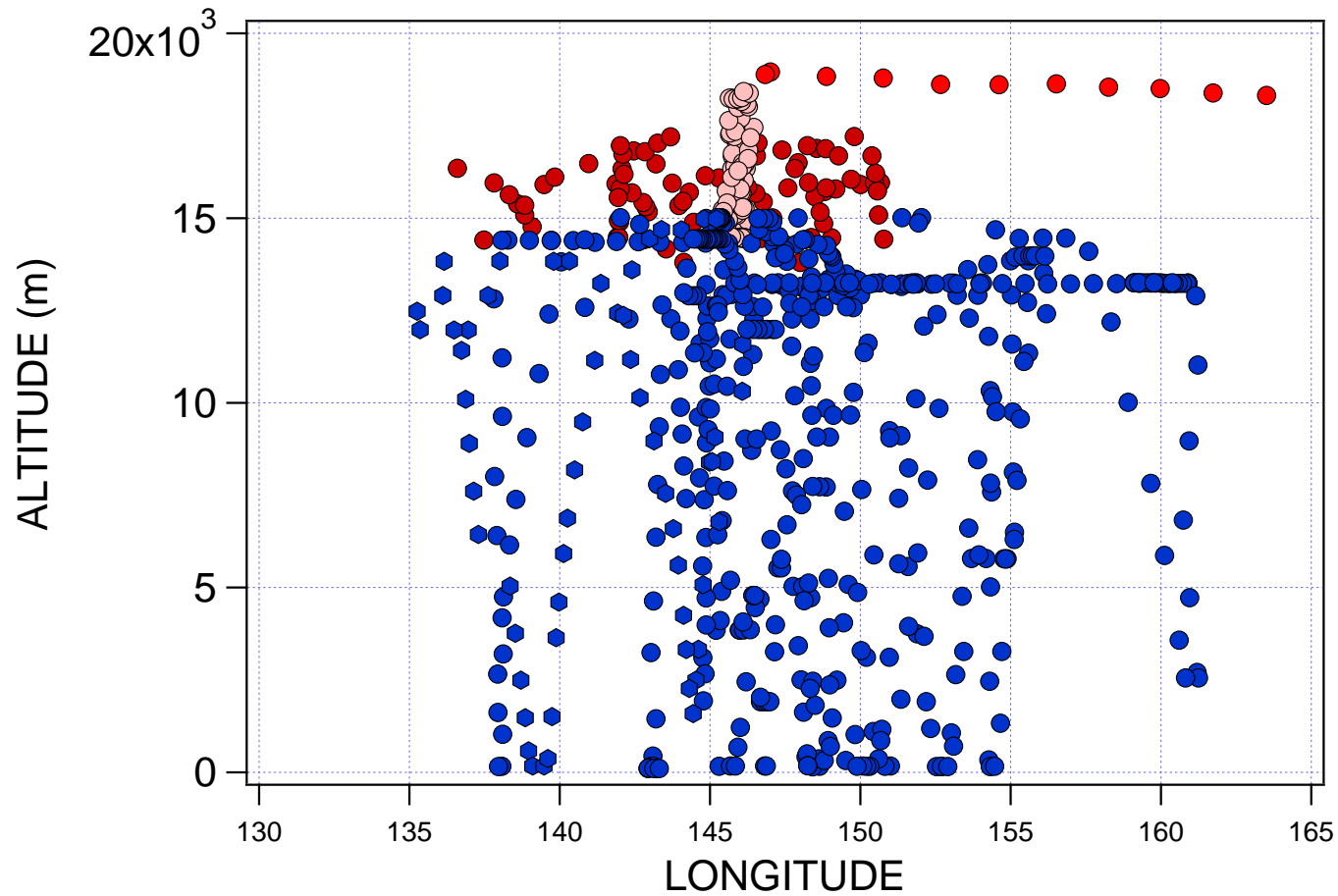
CONTRAST
AWAS RF05 - 15



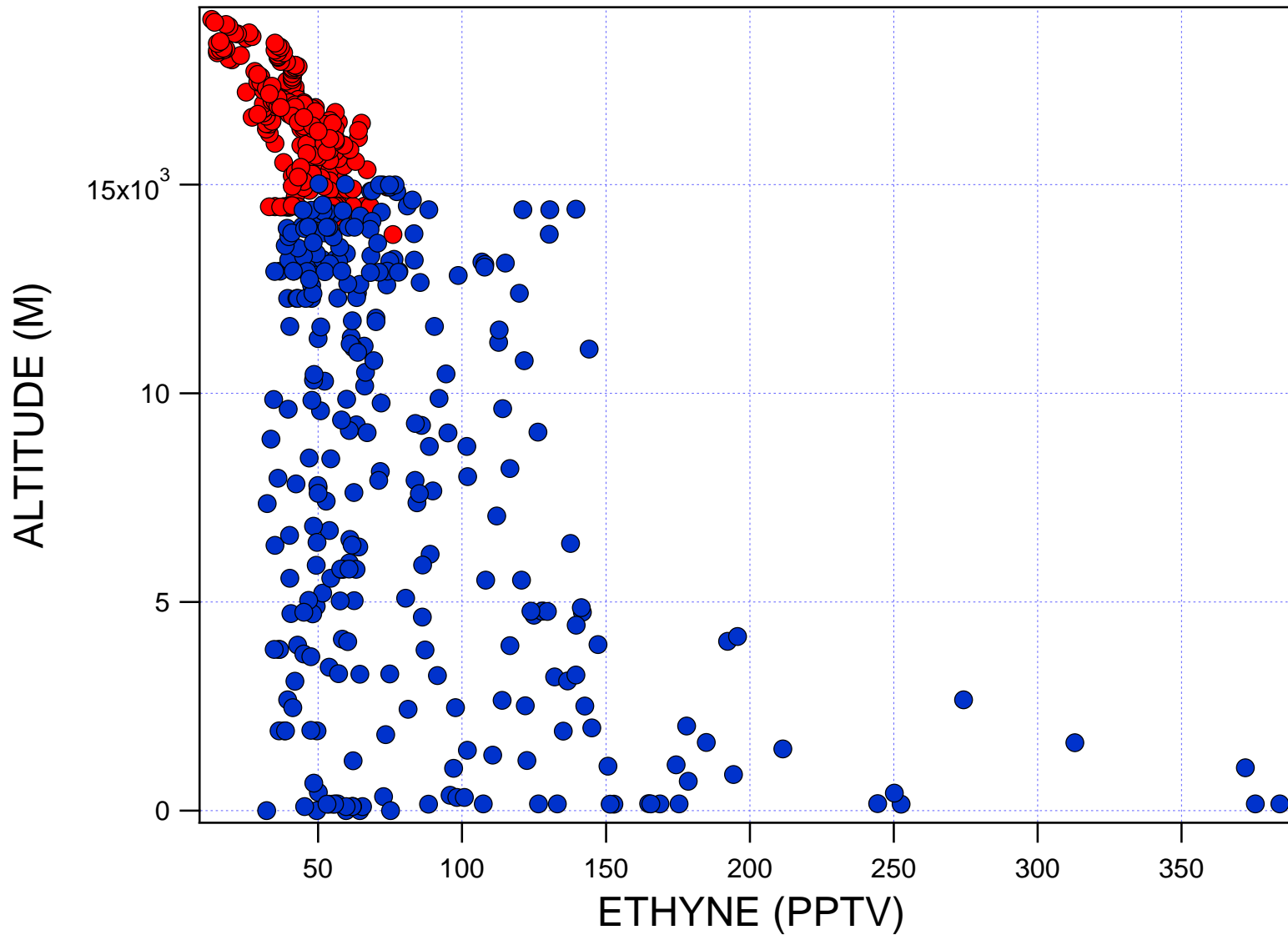
ATTREX
GWAS RF01 - 03

ALTITUDE/LONGITUDE

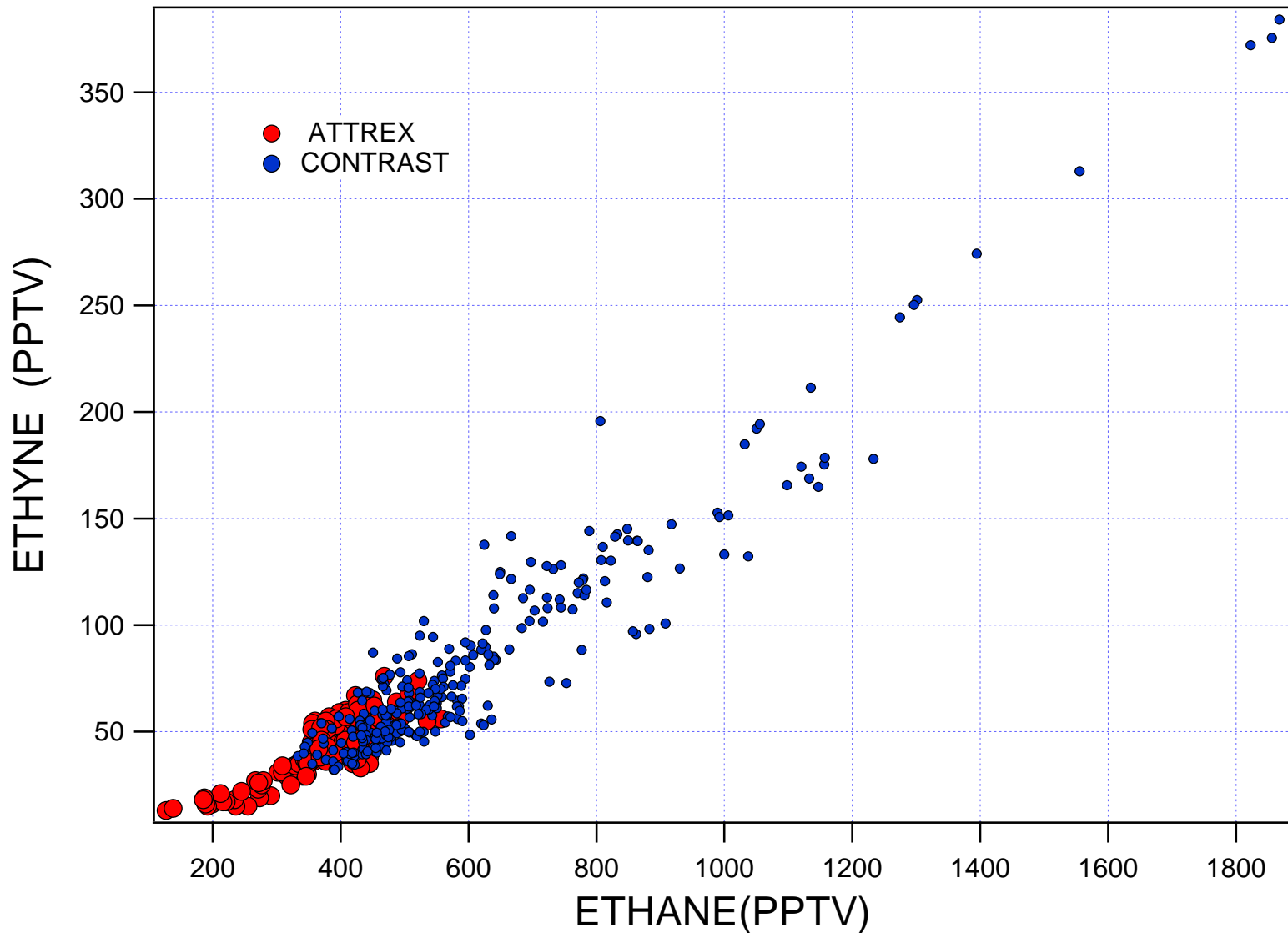
- ATTREX_RF_01 ● ATTREX_RF02 ● ATTREX_RF03
- CONTRAST RF05-13



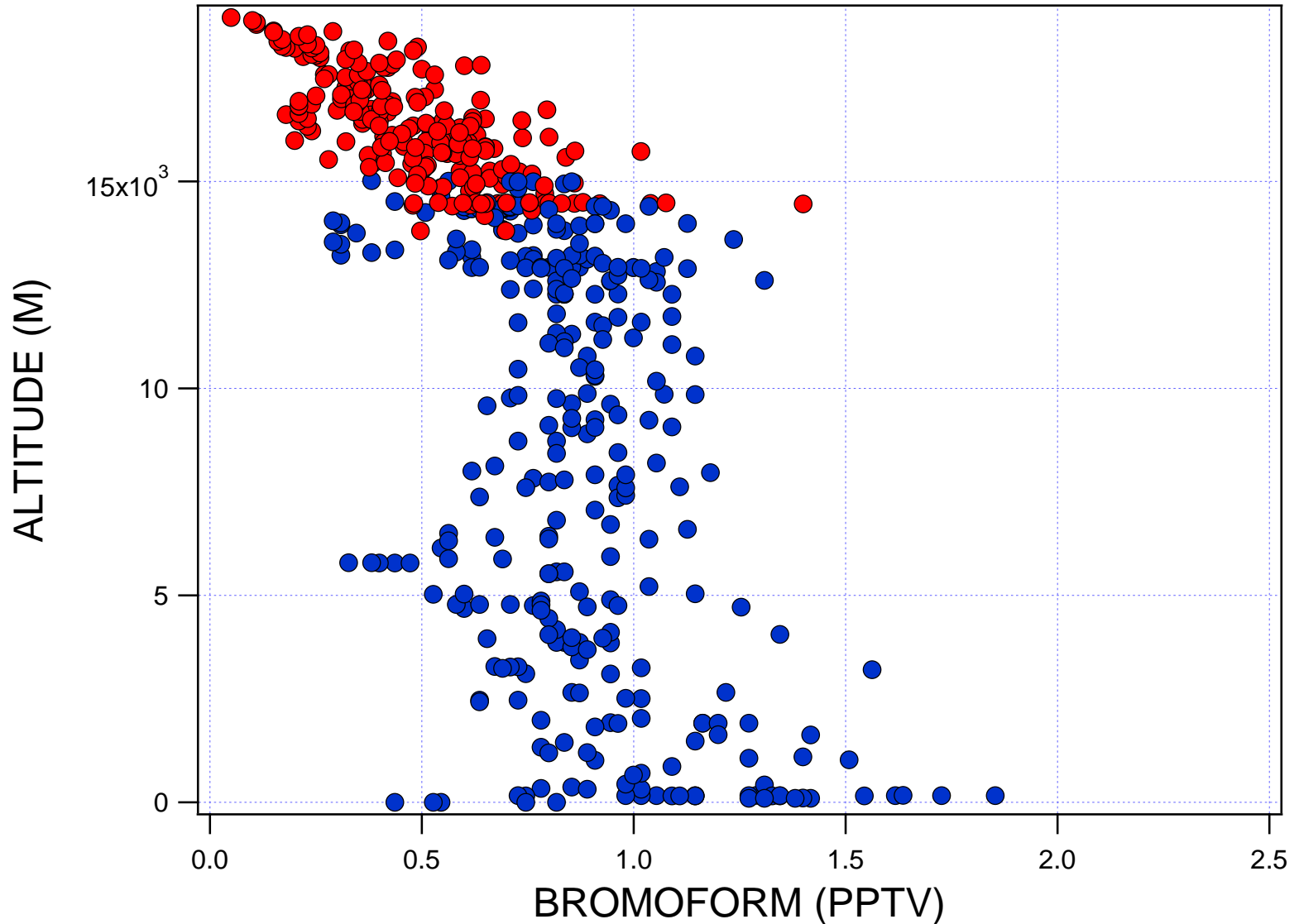
Ethyne vertical distribution



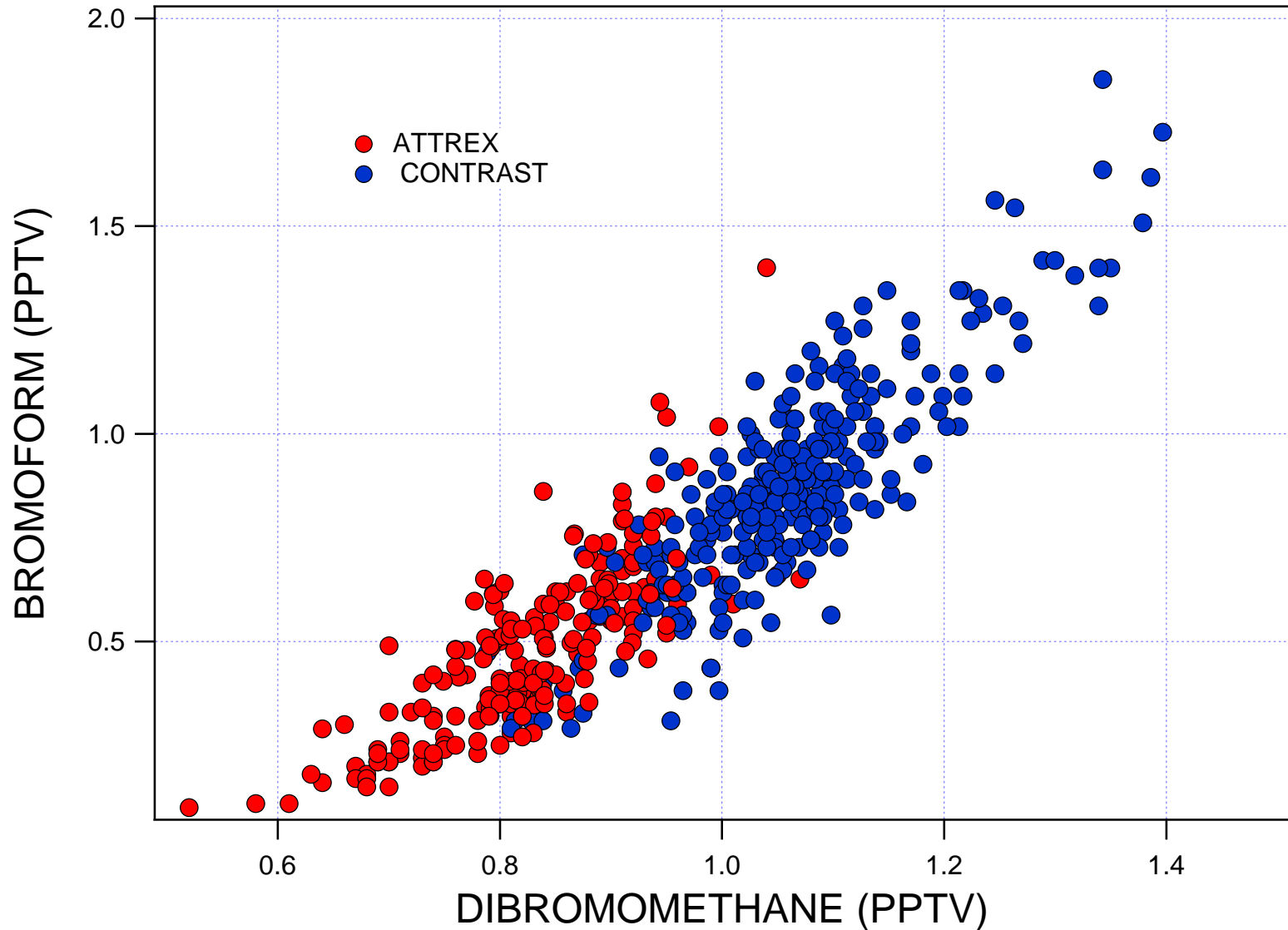
Ethane/Ethyne



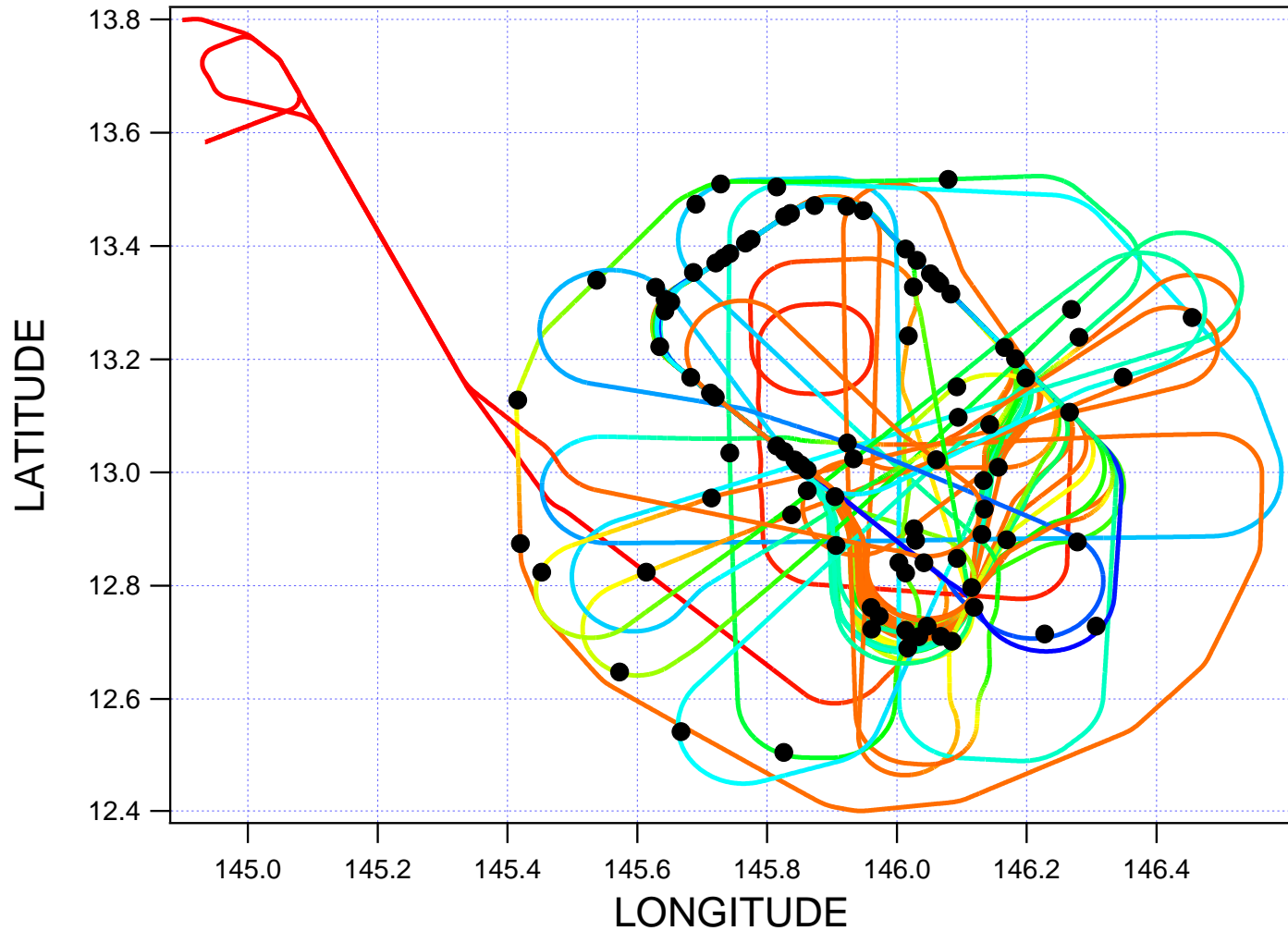
Bromoform vertical distribution



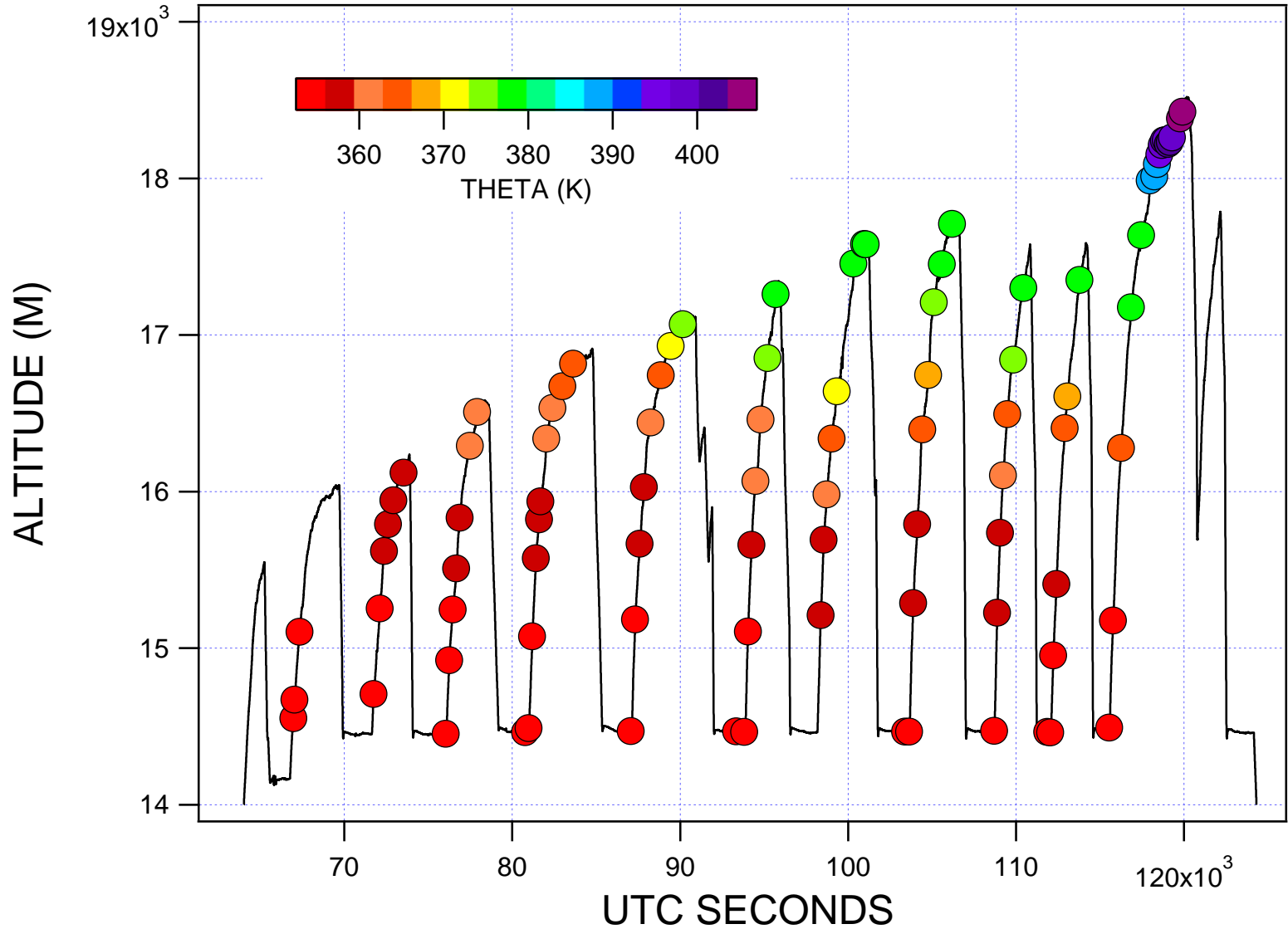
Dibromomethane/Bromoform



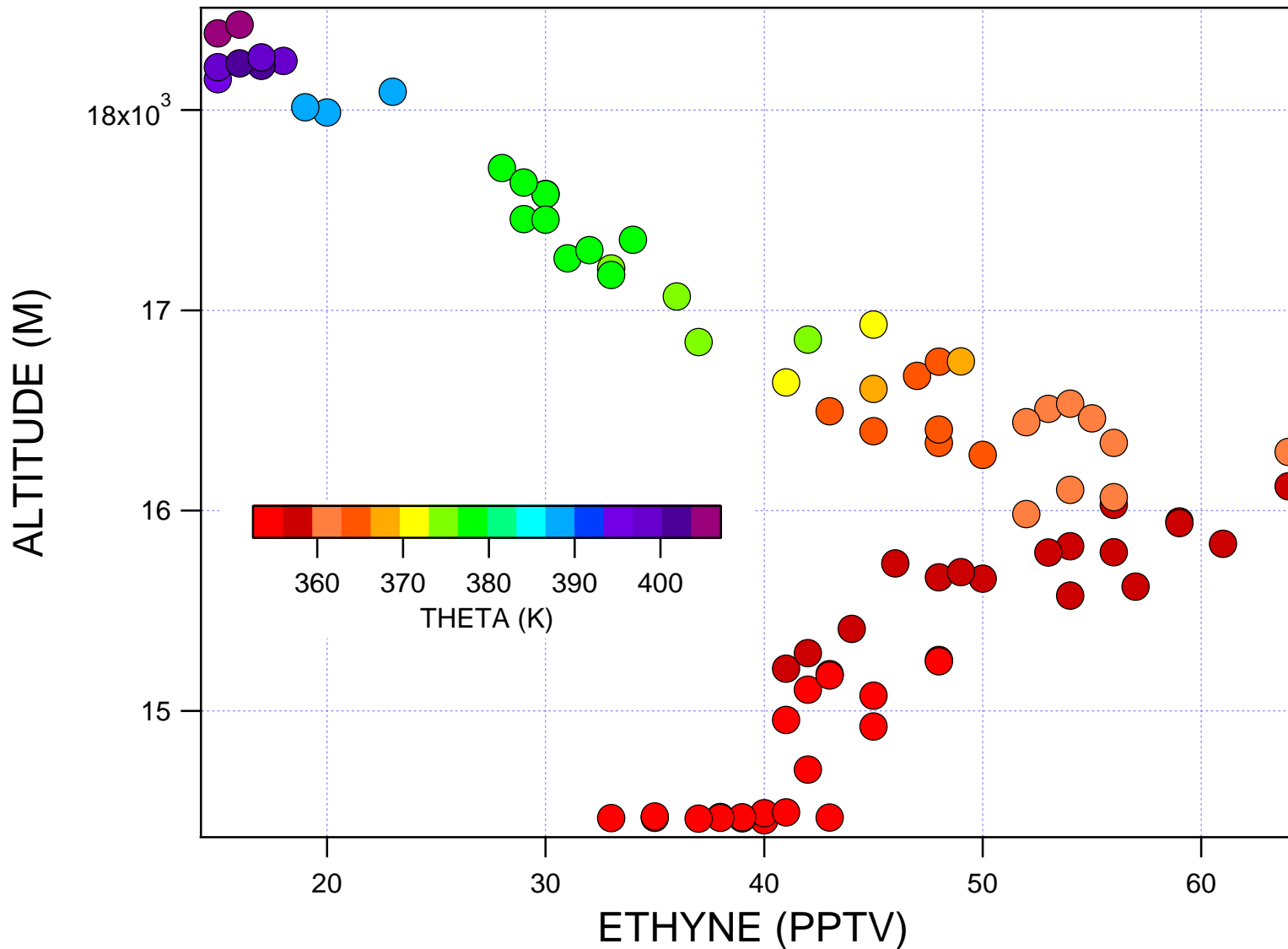
ATTREX RF_03 FLIGHT TRACK



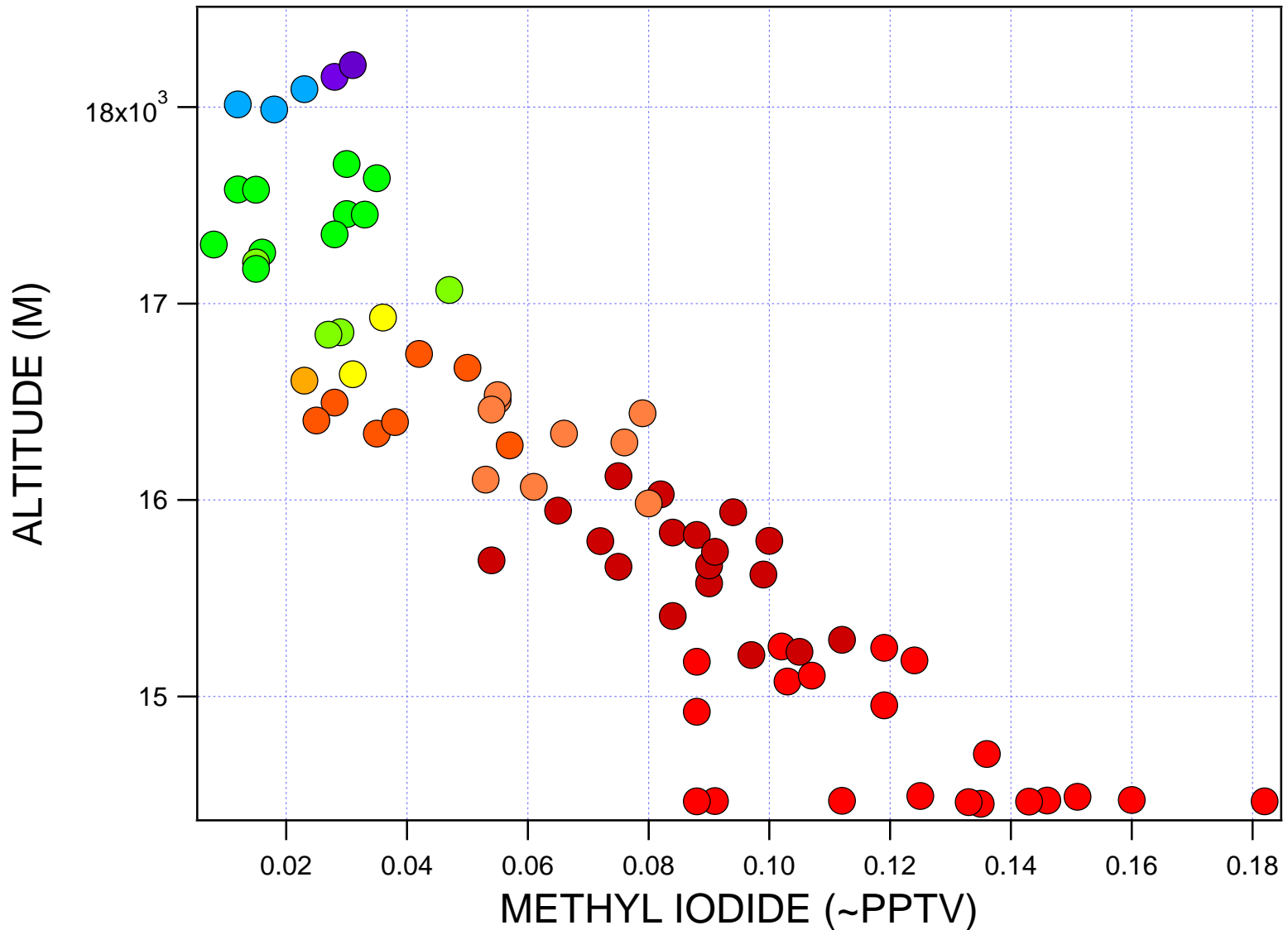
GWAS SAMPLES RF_03



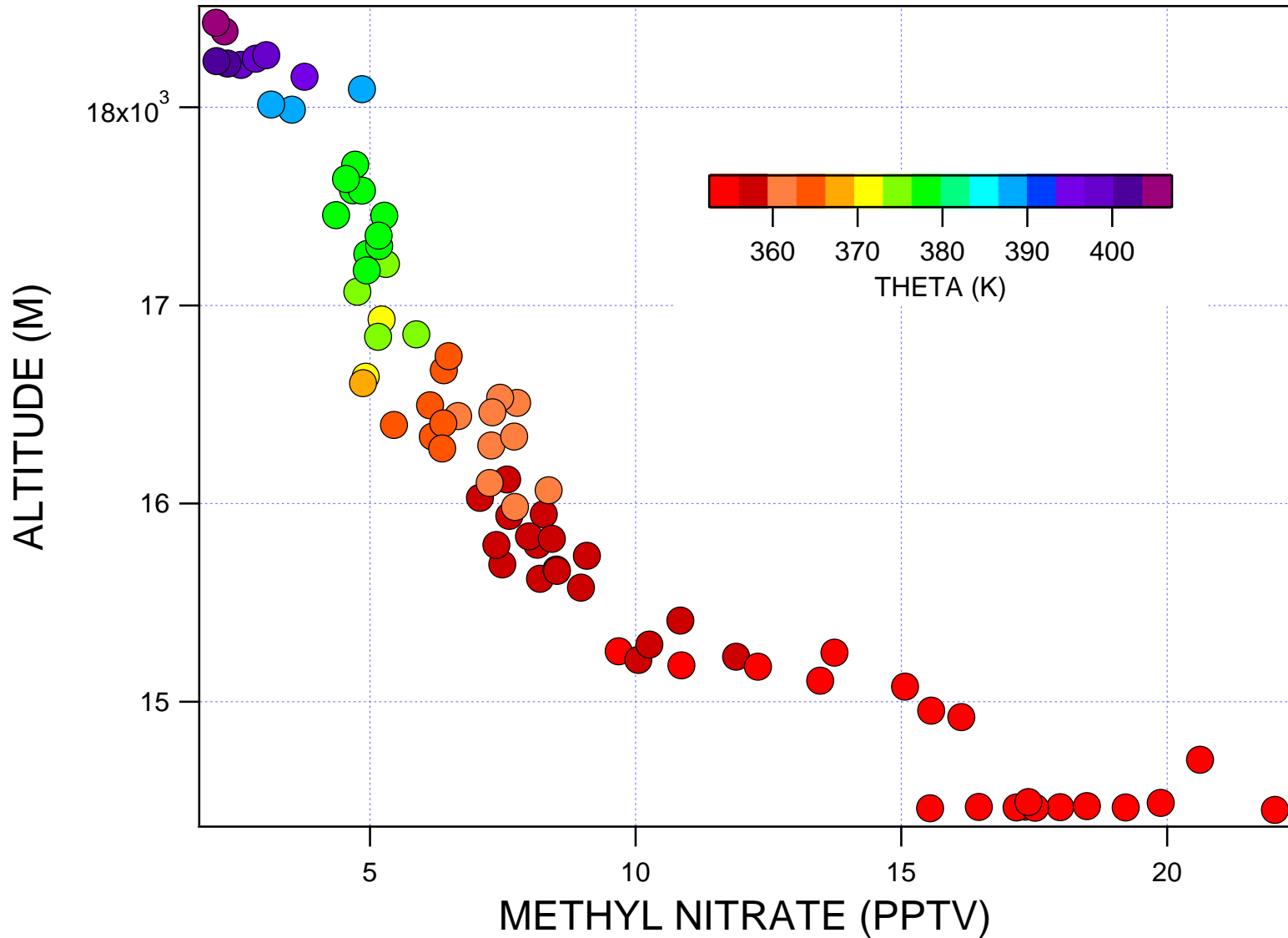
Ethyne vertical distribution in TTL



CH₃I vertical distribution in TTL



CH₃ONO₂ vertical distribution in TTL



Vertical distribution of CH_3ONO_2

