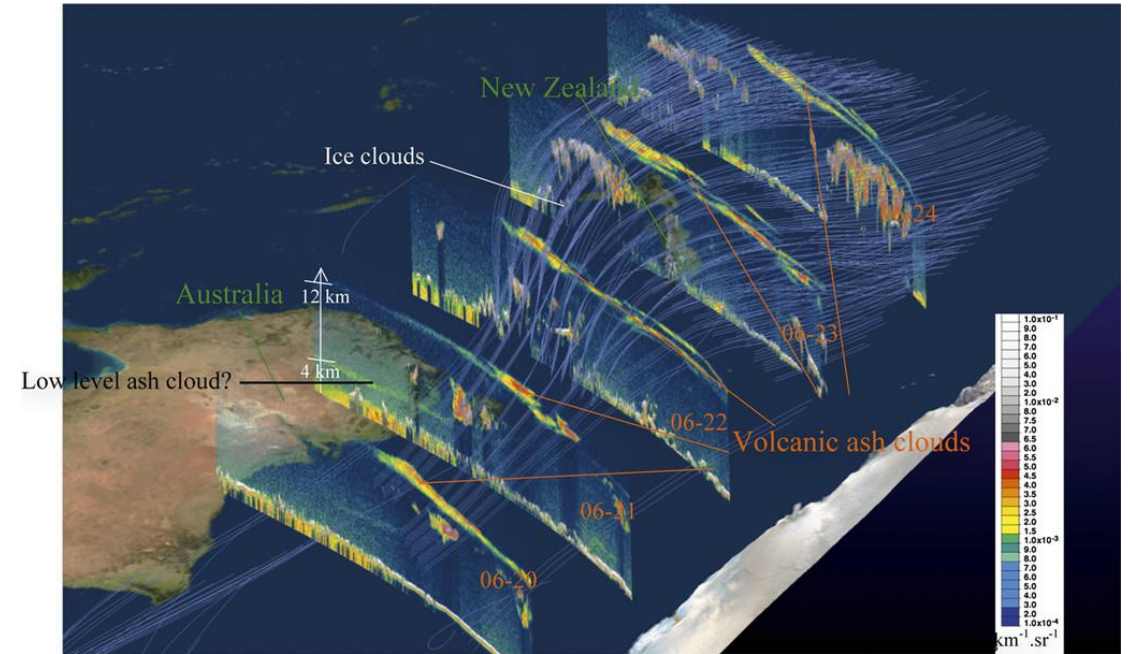
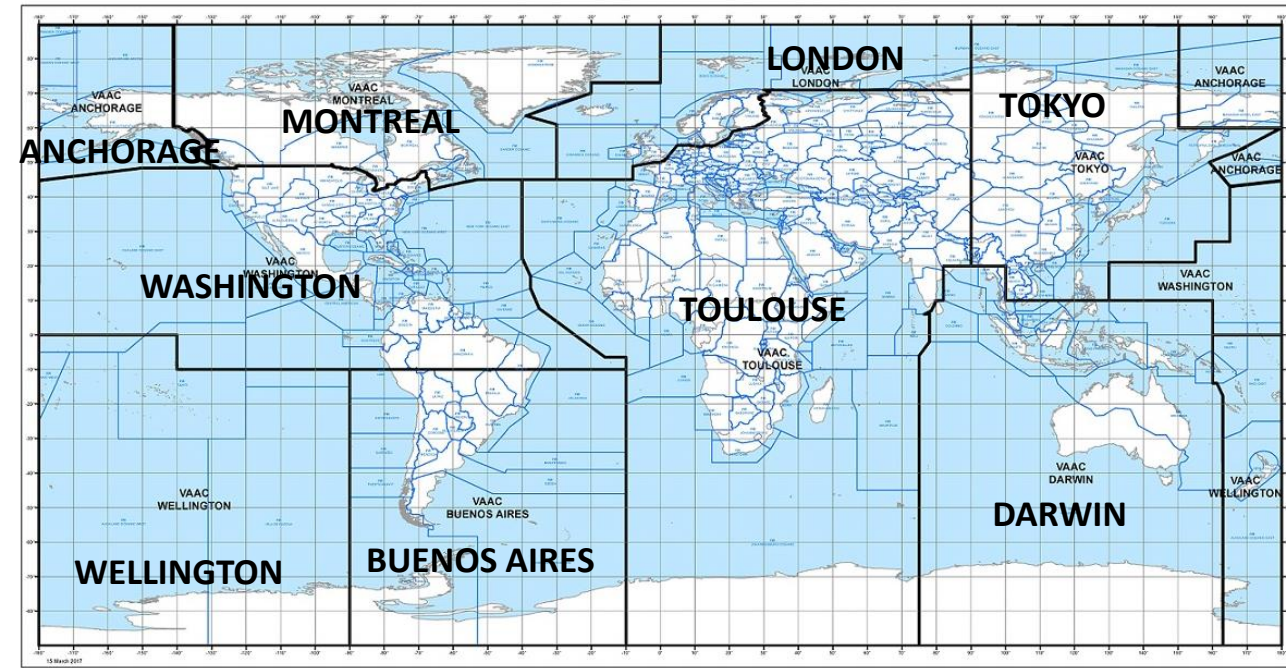


A-CCP's support to aviation with improved ash advisories

Jean-Paul Vernier (NIA/NASA LaRC), Michael Pavalonis (NESDIS NOAA)

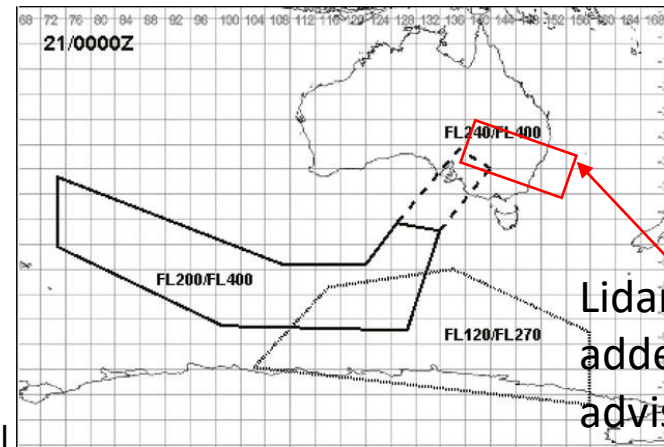
Area of responsibilities of the 9 Volcanic Ash Advisory Centers

CALIPSO obs. of the Puyehue-Cordon volcanic plume near Australia (06/11)



- Need more volcanic cloud obs. (D1A is preferable)
- Lidar classification current limitations; Need for passive sensors (SO₂/ash); HSRL should also help
- Anticipation of lidar obs. for integrated system
- Toward more complex tracking tools; combination obs. and modelling (e.g. Vernier et al., 2013, JAMC)

Ash Advisory, Darwin



Re-constructed plume from CALIPSO

