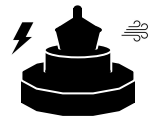




Weather, aerosol & electric field instruments
(Langmuir Lab)



Continuous monitoring every day

Cameras
(Socorro/Magdalena airports)



First instrument to detect cloud

Can lose sight of cloud as it goes out of frame

Aircraft
(Take-off: Albuquerque)



Flight scientists can observe cloud as soon as arrive on scene

Aircraft only began sampling cloud once it was growing vertically

Satellites
(Geostationary)



Continuously monitoring but cloud only detectable once it reaches a reasonable size

Can continue monitoring cloud once all instruments finished, or the cloud has advected away from mountain

Radars
(Socorro/Magdalena airports)



Can start detecting cloud once cloud particles reach sufficient size

Can monitor cloud once aircraft left, and if cloud advects off mountain