Aircraft only began sampling cloud once it was growing vertically.

Can lose sight of cloud as it goes out of frame.

Can start detecting cloud once cloud particles reach sufficient size.

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

First instrument to detect cloud.

Flight scientists can observe cloud as soon as arrive on scene.

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

Continuous monitoring every day.

Weather, aerosol & electric field instruments (Langmuir Lab)

Cameras (Socorro/Magdalena airports)

Aircraft (Take-off: Albuquerque)

Satellites (Geostationary)

Radars (Socorro/Magdalena airports)