Snowfall Increase (Orographic Clouds)

Airborne Seeding

15 to 30 minutes required for snow crystals to grow and fall out.

Evaporation Region

Air Flow

Ground Generator Seeding

Man snow crystals form in seeded clouds, thus deposition some of the cloud water on the ground.
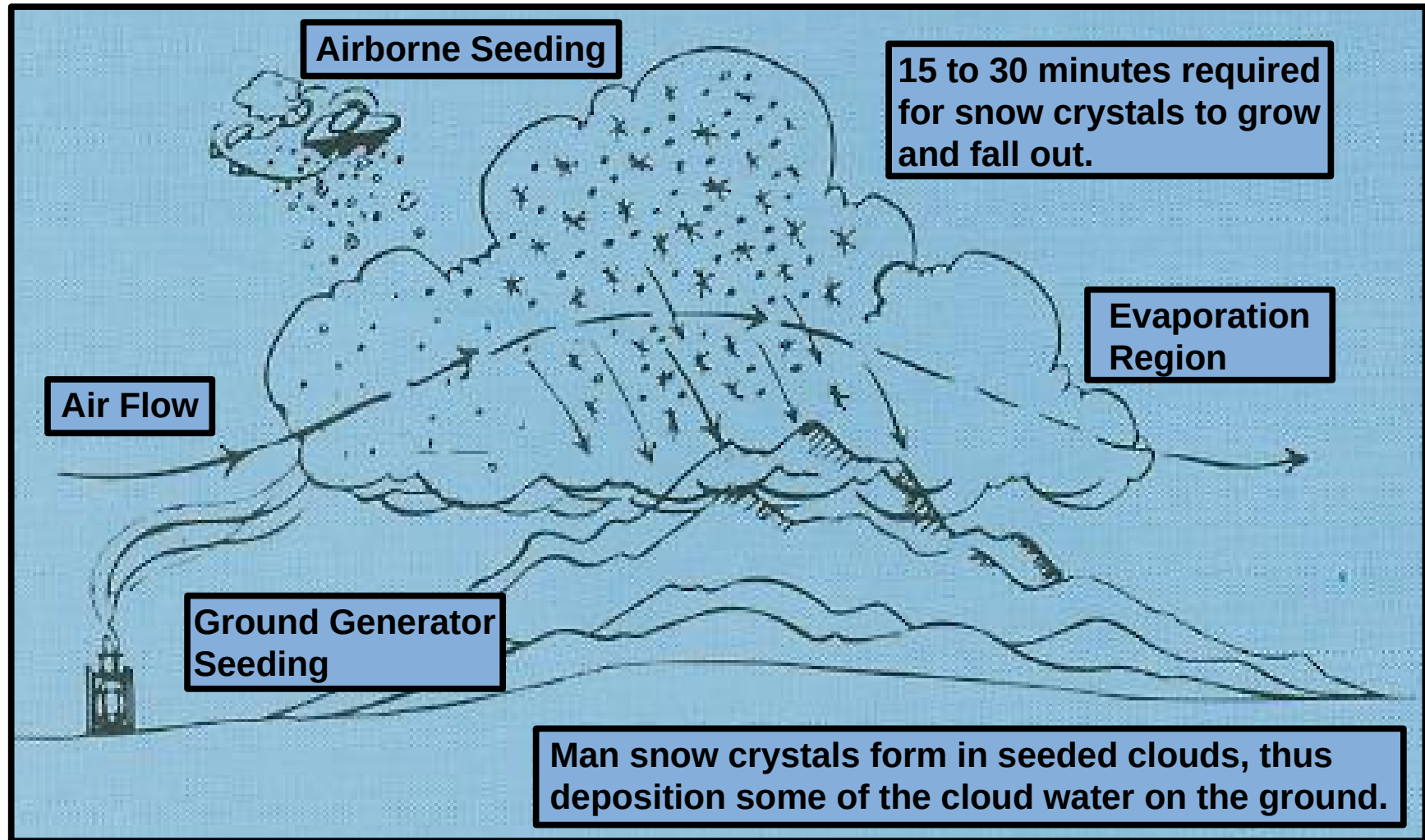
Winter Cloud Seeding with Silver Iodide
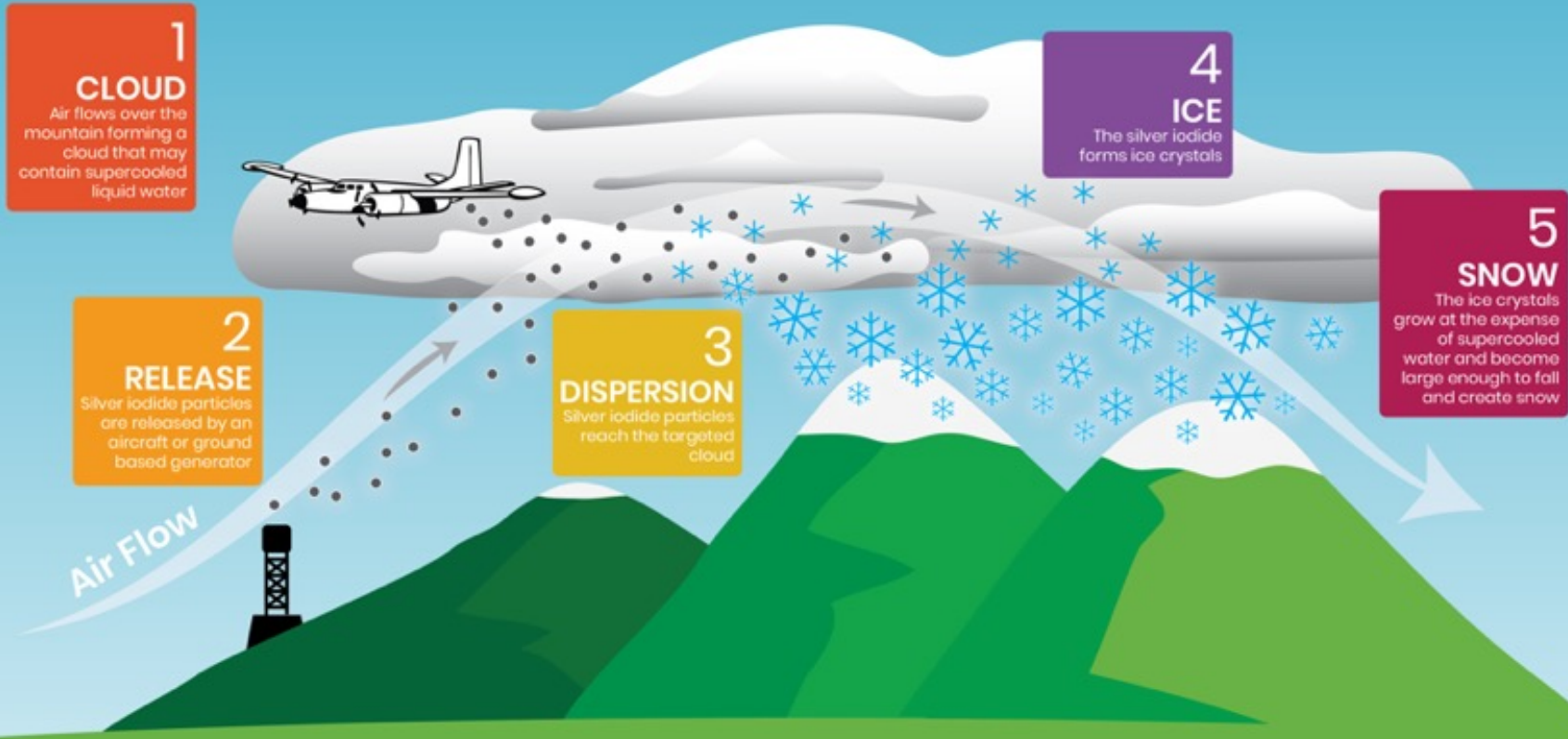
Simulation of Winter-time Cloud Seeding

Simulation of mountain with various cloud seeding locations
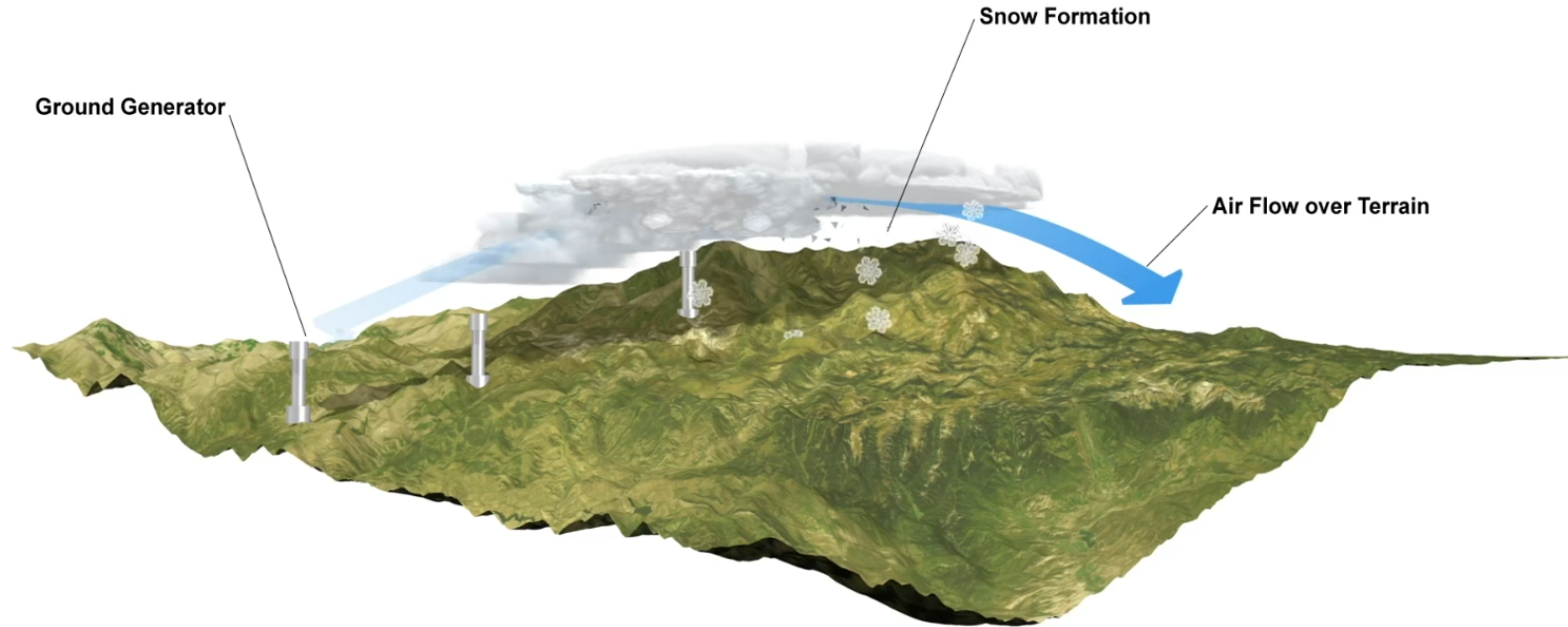
DOW Radar Observation of Aircraft Seeding
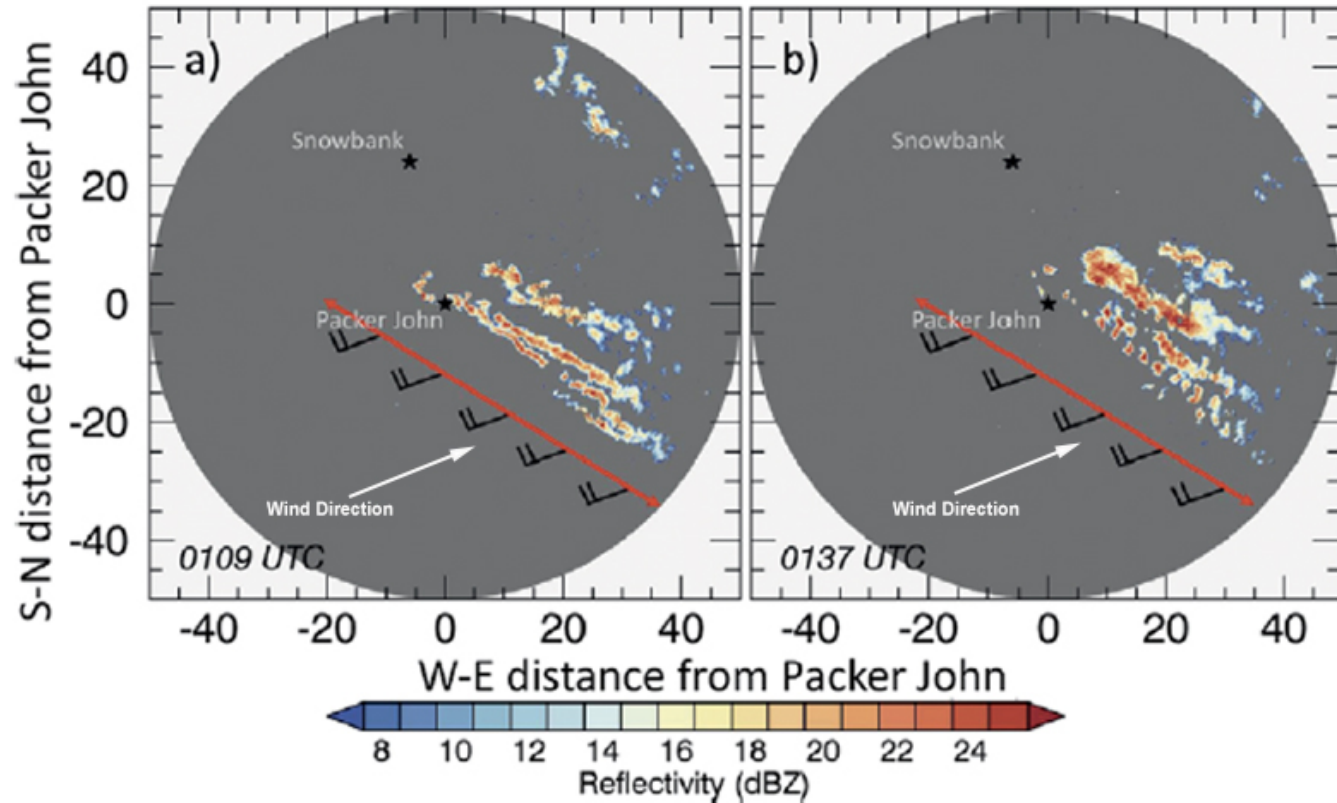

FIG. 12. PPI scans (0.99° elevation angle) at (left) 0109 and (right) 0137 UTC from the Packer John DOW radar. The red line denotes the track of the seeding aircraft. The track was repeated eight times between 0003 and 0129 UTC. The wind barbs indicate mean flight-level winds (kt; 1 kt ≈ 0.5144 m s⁻¹).

Tessendorf, et al. 2019

WCR Radar Observation of Aircraft Seeding

WCR Reflectivity 09 Mar 2017 16:11-16:23
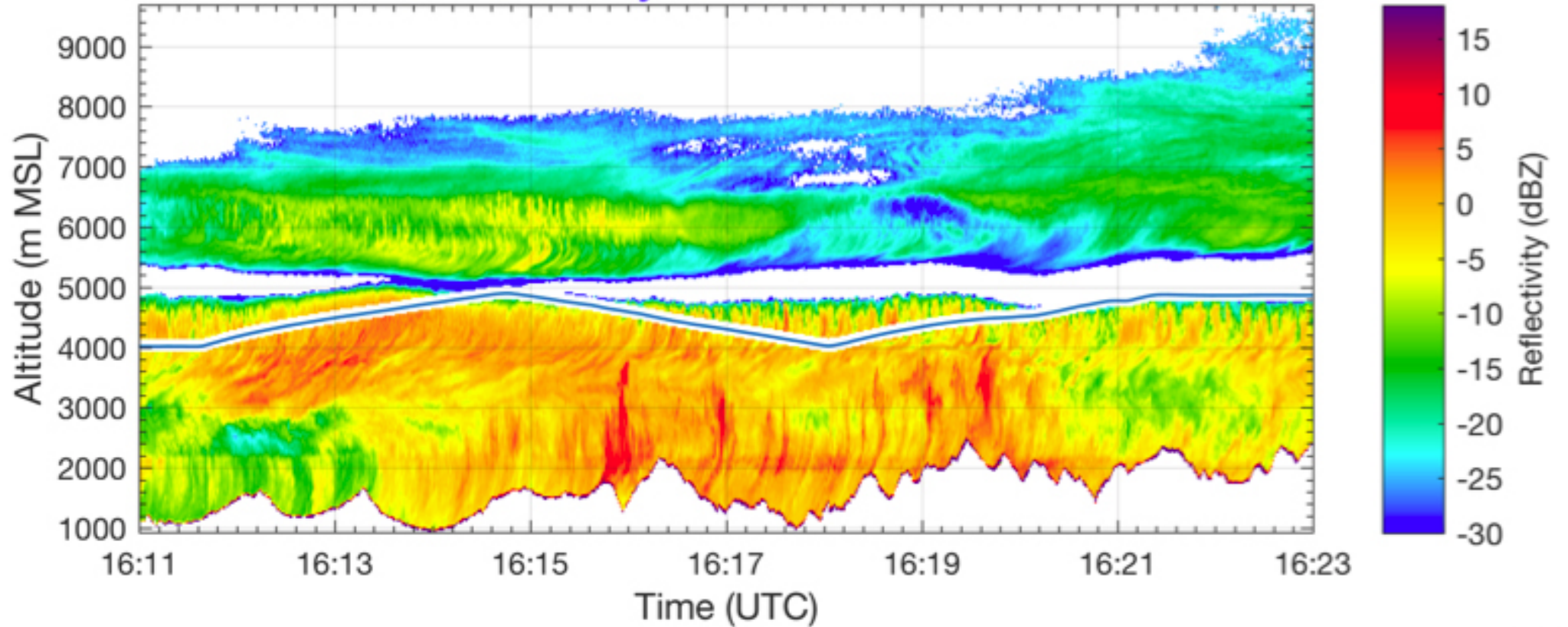
Wyoming Cloud Radar (WCR) Reflectivity from March 9, 2017

USBR

Snowfall Augmentation (MedEd)

- Check Out MetEd Module, How Cloud Seeding Works
  https://www.meted.ucar.edu/USBR/cloud_seeding/index.htm