

Benefits and Challenges of Meteorological R&D at Dugway Proving Ground

Challenges/Solutions

- Far from airport, restaurants, homes
- Other duties for technicians, forecasters
- Lower priority than some other activities (affected scheduling, range access – example Fall test)
- Controlled access (foreign nationals restrictions)
- Largely unimproved working areas (isolation, roads)
- Incomplete wireless coverage (and internet)
- Procedures for airfield and other flights
- Security issues (photography, manned flights)
- Rules/restrictions for Lidar operations
- Nature of MATERHORN test (multiple locations, land and air operations, no advance schedule, IOP length)

Benefits

- Protected working area
- Experienced DPG technicians and forecasters
- Large-scale infrastructure in place (GMAST, sensors, radios, computers)
- Air space generally available
- Frequency availability
- Range access nearly all the time
- Generally good wireless coverage for data transmission
- UAV operations
- Good radio communication
- Higher level balloon soundings