UTILITIES & EQUIPMENT:
- Up to 10 TB of storage for large dataset collection on high speed storage area network: 10 Gigabit SAN
- 1 GB microwave link to administrative HQ allowing for streaming video, dataset retrieval, up to 200MB internet access speeds
- Dedicated VPN access to your equipment
- Multiple servers for running customized virtual machines under Hyper-V, using Microsoft Server 2016, 2019, CentOS, and MYSQL
- Summit wifi coverage
- 120/208V power available in tower

FACILITY USE:
- Observatory deck space, tower space, large concrete-pad open space for large and heavy objects, parapet space, indoor work space, server rack space
- 24/7 services include weather observation, equipment maintenance, technical support, and research support
- Lodging/bunkroom and kitchen facilities available

TRANSPORTATION:
- MWO is located in a remote outpost with year-round accessibility via the auto road including by snowcat in the winter months.

~ CONTACT US FOR A QUOTE ~
Since our founding in 1932, countless companies & universities have chosen to partner with the non-profit Mount Washington Observatory to execute research initiatives in this accessible, natural, manned laboratory. The opportunity is unique and results have given manufacturers utmost faith in the application of their products; if they can survive Mount Washington, they can survive anywhere.

**ELEVATION:** 6,288’ (1917 m)

**TEMPERATURE:** Annual average temp 27°F (3°C); average winter temp 7°F (-14°C); record low -47°F (-44°C)

**WIND:** Annual average 35 mph (16 m/s); at or above hurricane force every other day on average in winter; record high 231 mph (103 m/s)

**PRECIPITATION:** Annual average 100” (254 cm) of liquid; annual average 279” (709 cm) of frozen precipitation; in the fog 60% of the time annually

**ICING:** Perfect combination of subfreezing temperatures, moisture, and high winds provide ample rime ice (freezing fog) and glaze ice (clear ice) in spring, fall, and winter

**CURRENT RESEARCH**

Mount Washington Observatory conducts collaborative research that encompasses multiple scientific disciplines, advancing the understanding of atmospheric and climatic processes and their impacts on Northeastern U.S. ecosystems.

- Boundary Layer Exposure on Mount Washington
- Snowpack Energy Monitoring with Low Cost Instrumentation
- Monitoring the Intensity of Cosmic Rays from Outer Space
- Elevation Dependent Warming
- Observing Cloud Microphysical Properties

**FACILITIES**

The Mount Washington Observatory weather station is a state-of-the-art facility equipped with high-speed internet, phone, video conferencing, and climate-controlled indoor testing space. A fully-stocked kitchen and bunkrooms allow researchers and product designers to partake in the product testing process comfortably and affordably, eliminating many of the logistical challenges of traditional field testing.

In winter, ice and snow engulf the summit of Mount Washington and all visitor facilities close to the public for the season. This remote peak provides an excellent, private setting to test new designs and prototypes.

**ACCESSIBILITY**

Mount Washington is located within a day’s drive of several major metropolitan areas, and its summit is readily accessible by road vehicles (in summer) or snowcat (in winter).

**STAFFING**

The summit station is staffed 24 hours a day, year-round with meteorologists and technicians. Off the mountain, Mount Washington Observatory’s administrative office provides full-service logistical and IT support for every possible contingency.