

CAPABILITIES

Each project has unique requirements that will incur varying costs as purpose, collaboration and expectations are identified. Contact us for a quote.

UTILITIES & EQUIPMENT:

- Up to 1 TB storage for your project, more available upon request.
- High speed internet with satellite failover.
- VPN access to your equipment.
- Virtualized environment for your customized needs.
- We can host your equipment or ingest directly into our systems.
- Multiple equipment mounting locations on summit or co-locate on a mesonet station.
- Technical staff on call 24/7
- Camera monitoring of equipment

FACILITY USE:

- Observatory deck space, tower space, large concrete-pad open space for large and heavy objects, Parapet space, Indoor workspace, server rack space
- 24/7 services include weather observation, equipment maintenance,
- Technical and research support
- Lodging and meals provided with full kitchen and washroom/shower facilities available

TRANSPORTATION:

- MWOBS is located in a remote outpost with year-round accessibility via the Mount Washington Auto Road including by snowcat during winter travel.

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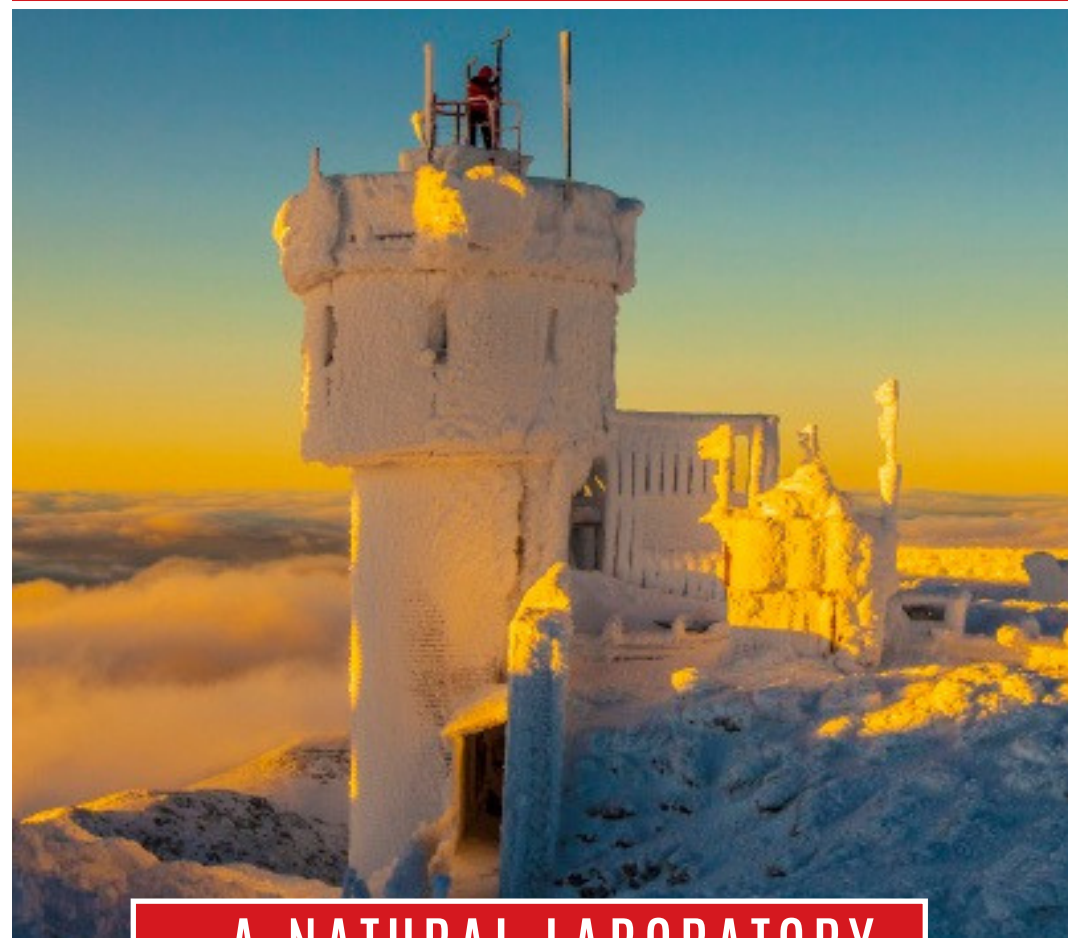
Learn more

Mount Washington Observatory • 2779 White Mountain Highway • North Conway,
NH 03860 www.mountwashington.org



MOUNT WASHINGTON OBSERVATORY

A hub for mountain weather observation, research
collaboration, and real-world product testing.

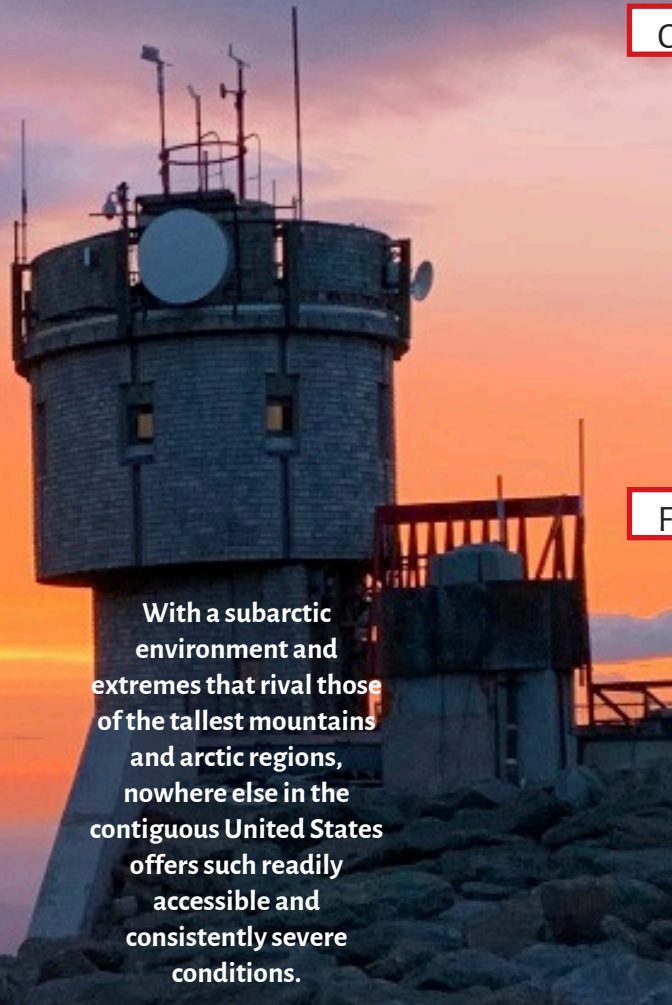


A NATURAL LABORATORY

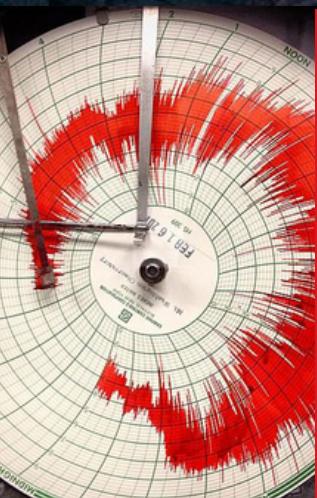
PRODUCT TESTING



Since our founding in 1932, countless companies and universities have chosen to partner with MWOBS to execute research initiatives in this accessible, natural, and 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.



With a subarctic environment and extremes that rival those of the tallest mountains and arctic regions, nowhere else in the contiguous United States offers such readily accessible and consistently severe conditions.



CONDITIONS

ELEVATION: 6,288' (1917 m)

COLD: 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

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

- Boundary layer exposure on Mount Washington
- Rain on Snow
- Near Surface Lapse Rates
- Cosmic neutron monitoring
- Wind dynamics over complex terrain
- Snowpack
- Instrument validation



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, MWOBS administrative office provides full-service logistical and IT support for every possible contingency.

