

Shading indicates activities that are no longer active

NDACC Measurements and Analyses Directory
Section Ib. Long-Term Measurement Activities
(Locations of each instrument type. See Section Ia for details – available at
<<http://www.ndacc.org>>.)

Dobson Spectrophotometers/Brewer Spectrometers

Eureka, Canada (80.05°N, 86.42°W)
Thule, Greenland (76.53°N, 68.74°W)
Sodankylä, Finland (67.37°N, 26.65°E)
Søndre Strømfjord, Greenland (66.99°N, 50.95°W)
De Bilt, The Netherlands (52.10°N, 5.18°E)
Valentia, Ireland (51.94°N, 10.25°W)
Uccle, Belgium (50.8°N, 4.35°E)
Hohenpeissenberg, Germany (47.80°N, 11.02°E)
Arosa, Switzerland (46.78°N, 9.68°E)
Observatoire de Bordeaux, France (44.83°N, 0.52°W)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Observatoire Midi-Pyrénées/Lannemezan, France (43.12°N, 0.38°E)
Boulder, CO, USA (39.99°N, 105.26°W)
Wallops Island, VA, USA (37.94°N, 75.46°W)
Izaña (Tenerife), Spain (28.30°N, 16.48°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Paramaribo, Surinam (5.75°N, 55.2°W)
Cape Matatula, American Samoa (14.25°S, 170.56°W)
Lauder, New Zealand (45.04°S, 169.68°E)
Arrival Heights, Antarctica (77.82°S, 166.65°E)
South Pole Station, Antarctica (90.00°S)

FTIR

Eureka, Canada (80.05°N, 86.42°W)
Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Thule, Greenland (76.53°N, 68.74°W)
Kiruna, Sweden (67.84°N, 20.41°E)
Harestua, Norway (60.2°, 10.8°E)
Bremen, Germany (53.1°N, 8.8°E)
Garmisch, Germany (47.48°N, 11.06°E) / Zugspitze, Germany (47.42°N, 10.98°E)
Jungfrauoch, Switzerland (46.55°N, 7.98°E)
Moshiri, Japan (44.4°N, 142.3°E)
Toronto, Canada (43.66°N, 79.40°W)
Rikubetsu, Japan (43.5°N, 143.8°E)
Kitt Peak, AZ, USA (31.9°N, 111.6°W)
Izaña (Tenerife), Spain (28.30°N, 16.48°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Reunion Island, France (20.8°S, 55.5°E)
Wollongong, Australia (34.45°S, 150.88°E)
Lauder, New Zealand (45.04°S, 169.68°E)
Arrival Heights, Antarctica (77.82°S, 166.65°E)

Lidar (Aerosol)

Eureka, Canada (80.05°N, 86.42°W)
Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Thule, Greenland (76.53°N, 68.74°W)
Garmisch, Germany (47.48°N, 11.06°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Toronto, Canada (43.66°N, 79.40°W)
Boulder, CO, USA (39.99°N, 105.26°W)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Reunion Island, France (20.8°S, 55.5°E)
Lauder, New Zealand (45.04°S, 169.68°E)
Dumont d'Urville, Antarctica (66.67°S, 140.01°E)
McMurdo Station, Antarctica (77.85°S, 166.63°E)

Lidar (Ozone)

Eureka, Canada (80.05°N, 86.42°W)
Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Andøya, Norway (69.3°N, 16.0°E)
Hohenpeissenberg, Germany (47.80°N, 11.02°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Toronto, Canada (43.66°N, 79.40°W)
Tsukuba, Japan (36.05°N, 140.13°E)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Reunion Island, France (20.8°S, 55.5°E)
Lauder, New Zealand (45.04°S, 169.68°E)
Rio Gallegos, Argentina (51.60°S, 69.32°W)
Dumont d'Urville, Antarctica (66.67°S, 140.01°E)

Lidar (Temperature)

Eureka, Canada (80.05°N, 86.42°W)
Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Thule, Greenland (76.53°N, 68.74°W)
Søndre Strømfjord, Greenland (66.99°N, 50.95°W)
Hohenpeissenberg, Germany (47.80°N, 11.02°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Toronto, Canada (43.66°N, 79.40°W)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Reunion Island, France (20.8°S, 55.5°E)
Lauder, New Zealand (45.04°S, 169.68°E)

Lidar (Trop. Ozone)

Observatoire Haute Provence, France (43.94°N, 5.71°E)
Table Mountain, CA, USA (34.4°N, 117.7°W)

Lidar (Water Vapor)

Mauna Loa, Hawaii (19.54°N, 155.58°W)

Microwave (CIO)

Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Mauna Kea, Hawaii (19.83°N, 155.48°W)
Scott Base, Antarctica (77.85°S, 166.78°E)

Microwave (Ozone)

Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Bern, Switzerland (46.95°N, 7.45°E)
Payerne, Switzerland (46.82°N, 6.95°E)
Observatoire de Bordeaux, France (44.83°N, 0.52°W)
Rikubetsu, Japan (43.5°N, 143.8°E)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Lauder, New Zealand (45.04°S, 169.68°E)

Microwave (Water Vapor)

Onsala, Sweden (57.4°N, 11.93°E)
Bern, Switzerland (46.95°N, 7.45°E)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Lauder, New Zealand (45.04°S, 169.68°E)

Sondes (Aerosol)

Alert, Canada (82.50°N, 62.33°W)
Heiss Island, Russia (80.6°N, 58.1°E)
Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Thule, Greenland (76.53°N, 68.74°W)
Scoresbysund, Greenland (70.48°N, 21.97°W)
Kiruna, Sweden (67.84°N, 20.41°E)
Sodankylä, Finland (67.37°N, 26.65°E)
Yakutsk, Russia (62.0°N, 129.7°E)
Laramie, WY, USA (41.32°N, 105.67°W)
Natal, Brazil (5.9°S, 35.2°W)
Lauder, New Zealand (45.04°S, 169.68°E)
Arrival Heights, Antarctica (77.82°S, 166.65°E)

Sondes (Ozone)

Alert, Canada (82.50°N, 62.33°W)
Eureka, Canada (80.05°N, 86.42°W)
Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Thule, Greenland (76.53°N, 68.74°W)
Summit, Greenland (72.34°N, 38.29°W)
Scoresbysund, Greenland (70.48°N, 21.97°W)
Sodankylä, Finland (67.37°N, 26.65°E)
Salekhard, Russia (66.5°N, 66.7°E)
Yakutsk, Russia (62.0°N, 129.7°E)
Legionowo, Poland (52.40°N, 20.97°E)
De Bilt, The Netherlands (52.10°N, 5.18°E)
Aberystwyth, UK (52.4°N, 4.1°W)

Sondes (Ozone) (continued)

Uccle, Belgium (50.8°N, 4.35°E)
Praha, Czech Republic (50.01°N, 14.45°E)
Hohenpeissenberg, Germany (47.80°N, 11.02°E)
Payerne, Switzerland (46.82°N, 6.95°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Boulder, CO, USA (39.99°N, 105.26°W)
Wallops Island, VA, USA (37.94°N, 75.46°W)
Izaña (Tenerife), Spain (28.30°N, 16.48°W)
Hilo, Hawaii (19.72°N, 155.07°W)
Paramaribo, Surinam (5.75°N, 55.2°W)
Natal, Brazil (5.9°S, 35.2°W)
Cape Matatula, American Samoa (14.25°S, 170.56°W)
Reunion Island, France (20.8°S, 55.5°E)
Lauder, New Zealand (45.04°S, 169.68°E)
Dumont d'Urville, Antarctica (66.67°S, 140.01°E)
Neumayer Station, Antarctica (70.62°S, 8.37°E)
McMurdo Station, Antarctica (77.85°S, 166.63°E)
South Pole Station, Antarctica (90.00°S)

Spectral UV

Summit, Greenland (72.58°S, 38.46°W / 72.34°N, 38.29°W)
Barrow, AK, USA (71.32°N, 156.68°W)
Villeneuve d'Ascq, France (50.65°N, 3.08°E)
Groß-Enzersdorf, Austria (48.20°N, 16.57°E)
Garmisch, Germany (47.48°N, 11.06°E) / Zugspitze, Germany (47.42°N, 10.98°E)
Hoher Sonnblick, Austria (47.05°N, 12.95°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Boulder, CO, USA (39.99°N, 105.26°W)
San Diego, CA, USA (32.77°N, 117.20°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Alice Springs, Australia (23.80°S, 133.87°E)
Lauder, New Zealand (45.04°S, 169.68°E)
Ushuaia, Argentina (54.82°S, 68.32°W)
Palmer Station, Antarctica (64.77°S, 64.05°W)
Arrival Heights, Antarctica (77.83°S, 166.67°E)
McMurdo Station, Antarctica (77.85°S, 166.63°E)
South Pole Station, Antarctica (90.00°S)

UV/Visible Spectrometers

Eureka, Canada (80.05°N, 86.42°W)
Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Thule, Greenland (76.53°N, 68.74°W)
Scoresbysund, Greenland (70.48°N, 21.97°W)
Kiruna, Sweden (67.84°N, 20.41°E)
Sodankylä, Finland (67.37°N, 26.65°E)
Zhigansk, Russia (66.8°N, 123.4°E)
Salekhard, Russia (66.5°N, 66.7°E)
Harestua, Norway (60.2°, 10.8°E)
Zvenigorod, Russia (55.7°N, 36.8°E)
Aberystwyth, UK (52.4°N, 4.1°W)
Jungfrauoch, Switzerland (46.55°N, 7.98°E)
Briançon, France (44.90°N, 6.65°E)
Moshiri, Japan (44.4°N, 142.3°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Rikubetsu, Japan (43.5°N, 143.8°E)
Issyk-Kul, Kyrgyz Republic (42.6°N, 77.0°E)
Kiso, Japan (35.8°N, 137.6°E)
Izaña (Tenerife), Spain (28.30°N, 16.48°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Tarawa, Kiribati Republic (1.4°N, 172.9°E)
Ciater/Bandung, Indonesia (6.4°S, 107.4°E)
Reunion Island, France (20.8°S, 55.5°E)
Bauru, Brazil (22.3°S, 49.0°W)
Lauder, New Zealand (45.04°S, 169.68°E)
Kerguelen Island (49.3°S, 70.3°E)
Rio Gallegos, Argentina (51.60°S, 69.32°W)
Macquarie Island, Australia (54.50°S, 158.95°E)
Faraday, Antarctica (65.25°S, 64.27°W)
Dumont d'Urville, Antarctica (66.67°S, 140.01°E)
Rothera, Antarctica (67.57°S, 68.13°W)
Syowa Base, Antarctica (69.01°S, 39.59°E)
Neumayer Station, Antarctica (70.62°S, 8.37°E)
Dôme C/ Concordia, Antarctica (75.1°S, 123.33°E)
Arrival Heights, Antarctica (77.82°S, 166.65°E)
McMurdo Station, Antarctica (77.85°S, 166.66°E)

Shading indicates activities that are no longer active

NDACC Measurements and Analyses Directory
Section IIb. Long-Term Measurement Activities
(Locations of each instrument type. See Section IIa for details – available
at <<http://www.ndacc.org>>.)

Dobson Spectrophotometers/Brewer Spectrometers

None

FTIR

Eureka, Canada (80.05°N, 86.42°W)
Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Esrange, Sweden (67.9°N, 21.1°E)
Søndre Strømfjord, Greenland (66.99°N, 50.95°W)
Fairbanks, AK, USA (64.82°N, 147.87°W)
Harestua, Norway (60.2°, 10.8°E)
Aberdeen, UK (57.15°N, 2.15°W)
Jungfrauoch, Switzerland (46.55°N, 7.98°E)
Mt. Barcroft, CA, USA (37.58°N, 118.24°W)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Paramaribo, Surinam (5.75°N, 55.2°W)
Lauder, New Zealand (45.04°S, 169.68°E)
Ship-Based Measurements

Lidar (Aerosol)

Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Sodankylä, Finland (67.37°N, 26.65°E)
Prestwick, Scotland (55.50°N, 4.61°W)
Lindenberg, Germany (52.52°N, 9.57°E)
Hohenpeissenberg, Germany (47.80°N, 11.02°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Greenbelt, MD, USA (38.9°N, 76.7°W)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Paramaribo, Surinam (5.75°N, 55.2°W)
Lauder, New Zealand (45.04°S, 169.68°E)
Punta Arenas, Chile (53.17°S, 70.93°W)
Ship-Based Measurements

Lidar (Ozone)

Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Sodankylä, Finland (67.37°N, 26.65°E)
Hohenpeissenberg, Germany (47.80°N, 11.02°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Greenbelt, MD, USA (38.9°N, 76.7°W)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Lauder, New Zealand (45.04°S, 169.68°E)

Shading indicates activities that are no longer active

Lidar (Temperature)

Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Sodankylä, Finland (67.37°N, 26.65°E)
Hohenpeissenberg, Germany (47.80°N, 11.02°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Greenbelt, MD, USA (38.9°N, 76.7°W)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Lauder, New Zealand (45.04°S, 169.68°E)

Lidar (Trop. Ozone)

None

Lidar (Water Vapor)

Ny Ålesund, Spitsbergen (78.92°N, 11.93°E)
Sodankylä, Finland (67.37°N, 26.65°E)
Hohenpeissenberg, Germany (47.80°N, 11.02°E)
Observatoire Haute Provence, France (43.94°N, 5.71°E)
Greenbelt, MD, USA (38.9°N, 76.7°W)
Table Mountain, CA, USA (34.4°N, 117.7°W)
Mauna Loa, Hawaii (19.54°N, 155.58°W)
Lauder, New Zealand (45.04°S, 169.68°E)

Microwave (ClO)

Thule, Greenland (76.53°N, 68.74°W)
McMurdo Station, Antarctica (77.85°S, 166.63°E)

Microwave (Ozone)

Thule, Greenland (76.53°N, 68.74°W)
South Pole Station, Antarctica (90.00°S)

Microwave (Water Vapor)

None

Sondes (Aerosol)

Resolute, Canada (74.7°N, 95.0°W)
Søndre Strømfjord, Greenland (66.99°N, 50.95°W)
Salekhard, Russia (66.5°N, 66.7°E)
Arkhangel'sk, Russia (64.6°N, 40.5°E)

Sondes (Ozone)

None

Spectral UV

Izaña (Tenerife), Spain (28.30°N, 16.48°W)

UV/Visible Spectrometers

Lerwick, UK (60.1°N, 1.1°E)
Aberdeen, UK (57.15°N, 2.15°W)