

## **IIb. NDACC Intermittent or Campaign Measurement Activities (Locations for Each Instrument Type. See Section IIa for details.)**

### **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, HI, USA (19.54°N, 155.58°W)  
Paramaribo, Surinam (5.75°N, 55.2°W)  
Reunion Island, France (20.9°S, 55.5°E)  
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, HI, USA (19.54°N, 155.58°W)  
Reunion Island, France (20.9°S, 55.5°E)  
Lauder, New Zealand (45.04°S, 169.68°E)

**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, HI, USA (19.54°N, 155.58°W)  
Reunion Island, France (20.9°S, 55.5°E)  
Lauder, New Zealand (45.04°S, 169.68°E)

**Lidar (Trop. Ozone)**

Greenbelt, MD, USA (38.9°N, 76.7°W)

**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)  
London, Ontario, Canada (43.1°N, 81.34°W)  
Beltsville, MD, USA (39.054°N, 76.887°W)  
Greenbelt, MD, USA (38.9°N, 76.7°W)  
Table Mountain, CA, USA (34.4°N, 117.7°W)  
Mauna Loa, HI, USA (19.54°N, 155.58°W)  
Reunion Island, France (20.9°S, 55.5°E)  
Lauder, New Zealand (45.04°S, 169.68°E)

**Microwave (CO)**

Thule, Greenland (76.53°N, 68.74°W)

**Microwave (CIO)**

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)

Reunion Island, St. Denis, France (20.9°S, 55.5°E)

**Microwave (Water Vapor)**

Sodankylä, Finland (67.37°N, 26.65°E)

Reunion Island, France (20.9°S, 55.5°E)

**Microwave (Wind)**

Sodankylä, Finland (67.37°N, 26.65°E)

Observatoire Haute Provence, France (43.94°N, 5.71°E)

Reunion Island, France (20.9°S, 55.5°E)

**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**

Hanover, Germany (52.39°N, 9.70°E)

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)