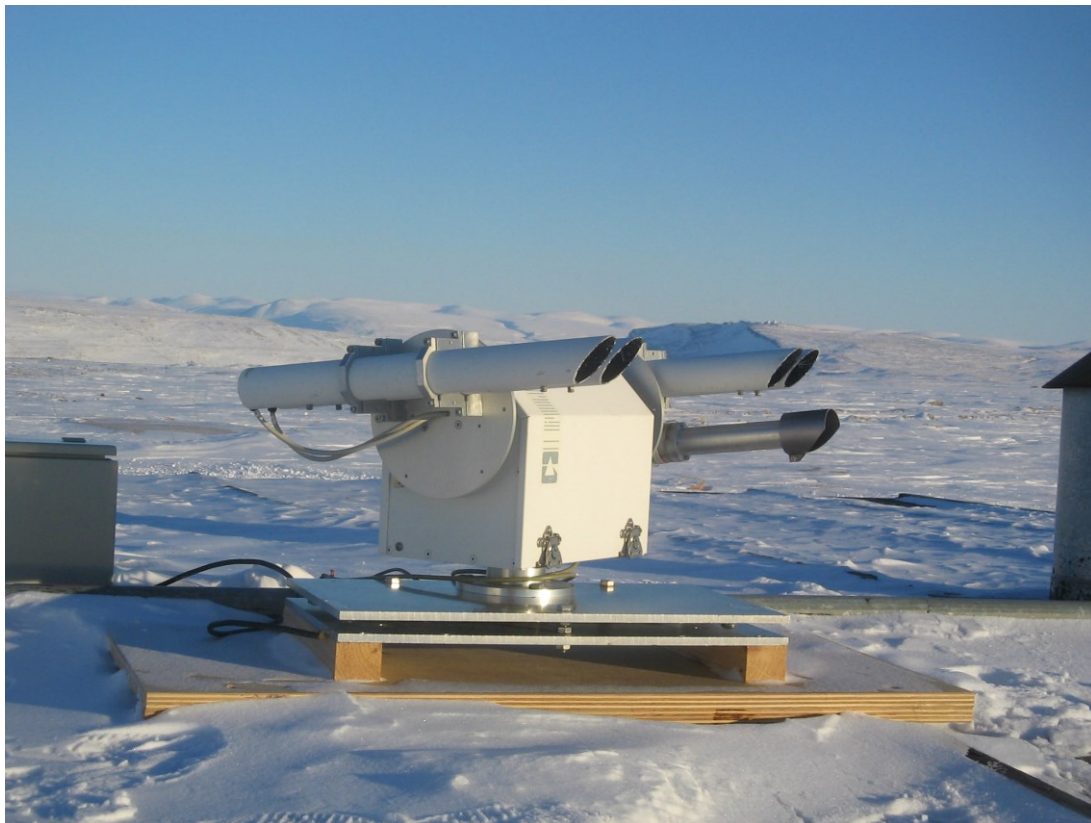
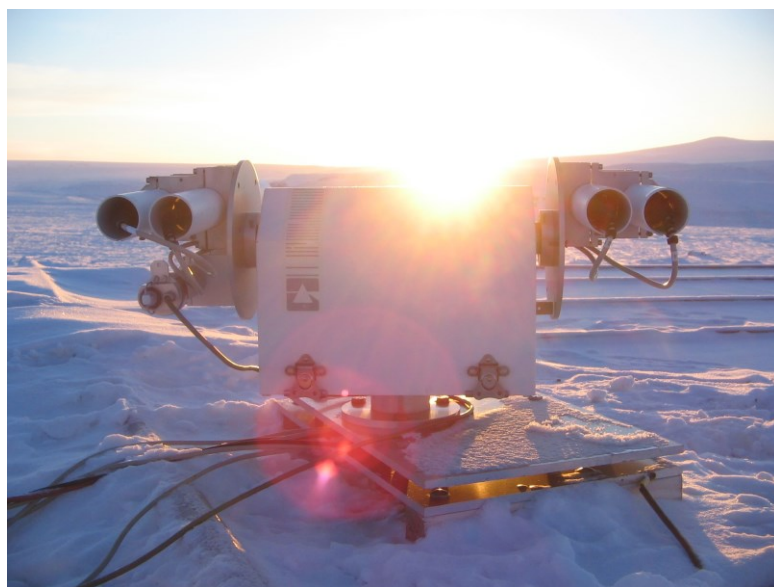


Sun tracker with Sun photometers



The Sun tracker follows the sun and hosts 5 different sensors that measure the direct component of the solar radiation in different bands. The Sun tracker was installed at THA00 by the Danish Meteorological Institute in 2002; this instrument is presently run by ENEA.

The direct solar radiation is measured in 4 narrowband and one broadband channel. The broadband channels measures the Direct Normal Irradiance, which is the total amount of solar energy in the direct component. The direct radiation in the 4 narrowband channels can be used to determine the atmospheric opacity in different spectral bands, and to estimate the aerosol optical depth.



The Sun tracker pointing to the Sun in February 2017 during one of the season's first sunrise.

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