

The new meteor radar at Bjoernoeya

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We plan to install a new meteor radar at Bjoernoeya (74.5 degrees N, 19.2 degrees E) in order to study the lower thermospheric/mesospheric wind dynamics in the polar region. Bjoernoeya is located at a special location: (1) it is midway between Tromsø (69.6 deg. N, 19.2 deg. E) and Longyearbyen (78.2 deg. N, 16.0 deg. E) where the EISCAT radars and other radars such as meteor and MF radars are operated, (2) it is located at the almost same latitude of Resolute Bay where the US new IS radar (AMISR) will be installed. Therefore, the new meteor radar measurements will provide us with great opportunities to promote our understandings of the wind dynamics.