

Overview of the SS-520-2 Rocket Experiment

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A sounding rocket "SS-520-2" was launched from Ny-Alesund at 0916 UT on December 4, 2000, in order to study physical processes of wave-particle interactions and associated ion outflow phenomena at altitudes of 1,000 km above the dayside cusp region. Several new measurement techniques were developed for this rocket experimnt. All the instruments on board the rocket worked very well, and a few new phenomena were detected in the data, though the rocket flew in the mantle skimming the higher-latitude side of the cusp proper.