

Foil chaff experiment by the sounding rocket S-310-29

Manabu Shimoyama[1], Koh-ichiro Oyama[2], Yasuhiro Murayama[3]

[1] Earth and Planetary Phys., Univ. of Tokyo, [2] ISAS, [3] CRL

The sounding rocket S-310-29 has been launched to measure a wave structure in the mesosphere and lower thermosphere. The rocket was equipped with foil chaff ejection system as well as other instruments for the purpose of measuring neutral wind and other parameters simultaneously. Foil chaff was ejected at downleg 100 km, 341 sec after launch, and tracked by the radar for five minutes. As a consequence, we succeeded in measuring horizontal wind velocity from 95 km to 88 km.