

To: Distribution
From: Mary McCready

Date: 26 April 2008
Location: SRI, G-272

Subject: Sondrestrom IS Radar Operations Schedule for May 2008

Experiment 1: V. Angelopoulos, L. Lyons, S. Zou (UCLA), B. Fejer (Utah State U.) and C. Heinselman (SRI)

Eight five-hour runs to measure the dayside plasma convection poleward of the open-closed field line boundary. These runs are coordinated with the THEMIS and Geotail satellites, Jicamarca ISR and Poker Flat ISR measurements in a study to relate the dayside convection to prompt penetration electric fields and changes in the IMF and the solar wind dynamic pressure, from 1100 to 1600 UT on 01, 03, 05, 07, 17, 19, 25 and 26 May.

Experiment 2: S. Yee, L. Paxton (Johns Hopkins U.) and C. Heinselman (SRI)

One one-hour measurement of electron density and estimates of conductance in support of GUVI measurements from a high-elevation TIMED satellite pass, 2015-2115 UT on 01 May.

Experiment 3: E. Zesta (AFRL), L. Lyons and V. Angelopoulos (U. of California, Los Angeles)

Seven seven-hour runs coordinated with the THEMIS satellites to study PBIs (poleward boundary intensifications) and the ionospheric signature of plasma sheet flow bursts, from 21-04 UT beginning on 01, 03, 05, 07, 09, 11 and 13 May. (Note: the run on the 1st will start at ~2120 UT.)

Experiment 4: D. Pallamraju (Boston U.) and R. Doe (SRI)

Up to four six-hour measurements coordinated with the daytime spectrograph to detect cusp emissions, from 1100 to 1700 UT.

Experiment 5: J. Sojka (Utah State U.), A. van Eyken (EISCAT) and C. Heinselman (SRI)

Two high-latitude coordinated ISR runs dedicated to IPY synoptic measurements.

08-09 May	1300-2100 UT
22-23 May	1300-1900