AMIE INPUTS

MODELS

Auroral Conductances:

Fuller-Rowell & Evens, HP
Kroehl, equatorward auroral edge
Hardy et al., (not used at present)

Electric Potentials:

Millstone Hill, HP
Millstone-Sondrestrom, IMF
Heppner/Maynard/Rich, IMF & Kp
IZMEM, IMF
Weimer, IMF & dipole tilt angle

DATA

Satellites:

electric field or ion drift
magnetic field
precipitating particles

Radars:

ion drift (IS and HF radars)
conductances (IS radars)

Ground Magnetometers

Photometers (e.g., MSP, Polar UVI and VIS auroral images)

AMIE OUTPUTS

- **Modified Ionospheric Conductances**
- **Ionospheric Convection**
- **Equivalent Current**
- **Ionospheric Horizontal Current**
- **Field-Aligned Current**
- **Joule Heating**