

Draft Agenda for Equatorial-PRIMO Workshop

I. Primary Justification: We do not fully understand all the relevant physics of the equatorial ionosphere, so that current models do not completely agree with each other and are not able to accurately reproduce observations.

II. Primary Objective: To understand the strengths and the limitations of theoretical, time-dependent, low-latitude ionospheric models in representing observed ionospheric structure and variability under low to moderate solar activity and geomagnetic quiet conditions, in order to better understand the underlying ionospheric physics and develop improved models.

III. Primary Approach: To undertake a multi-year CEDAR project that coordinates model-data and model-model comparisons, and hold working-group meetings at the annual CEDAR Workshop to present and discuss the ongoing work that addresses these primary objectives.

IV. Agenda for first hour: Results and Discussion related to the set of Non-coupled models

- Dave will briefly present model comparisons that were displayed at last year's Fall AGU meeting in San Francisco.
- Tzu-Wei will present recent model calculations where the models were run in the absence of neutral winds and ExB drift velocities.
- General Discussion and implications of these results.
- Ideas concerning "goals for success"

V. Agenda for second hour: Results and Discussion related to the set of Coupled, self-consistent models

- Dave will briefly present model comparisons that were displayed at last year's Fall AGU meeting
- Tzu-Wei will compare recent results obtained from two different Self-consistent models.
- General Discussion and implications of these results.
- Ideas concerning "goals for success"

VI. Future Work