

CCMC Workshop Nov 5-8, 2007

Monday 11/05/2007: Director Report. Science and Education Support.

7:45 am ** Buses depart from hotels to AO

8:15 am Continental breakfast

9:00 am – 10:45 am

Introduction, Director Report, Keynote talk

Chair: C. Holmes

Introductory notes: *C. Holmes* (10 min)

Welcome to Arecibo Observatory: *B. Kerr* (10 min)

Director's report: *M. Hesse* (40 min)

Science & Education Opportunities for the CCMC: *R. Walker* (45 min)

10:45 am – 11:00 am Break

11:00 am – 12:30 pm

Users Feedback

Chair: C. Holmes

User feedback: Magnetospheric models: *J. Borovsky* (30 min)

User feedback: Solar and helio models: *C. Lee* (30 min)

Impression on CCMC: *M. Fujimoto* (30 min)

12:30 – 1:30 pm Lunch

1:30 pm – 2:30 pm

Users Feedback

Chair: R. Walker

Missions support (STEREO, THEMIS): *A. Szabo* (30 min)

User needs: ionosphere models. IPY support: *T. Mannucci* (30 min)

2:30 pm – 4:15 pm

Education

Chair: R. Walker

Space Weather Competition: *C. Holmes* (30 min)

US AF Academy – CCMC educational activities: *D. Knipp* (30 min)

AFIT – CCMC educational activities: *C. Smithro* (30 min)

Discussion (15 min)

4:15 pm – 4:30 pm Break

4:30 pm – 5:30 pm

Panel Discussion: Agencies View of CCMC (1hour)

Chair: T. Gombosi

Panelists: *C. Holmes* (NASA), *R. Robinson* (NSF), *T. Onsager* (NOAA SEC),
M. Sattler (AFWA), *S. Quigley* (AFSPC), *B. McCoy* (ONR)

5:45 pm Buses depart from AO to Dannys Restaurant.

6:00 pm Icebreaker dinner at Dannys restaurant (close to AO)
Presentation "Using Radars to Observe the Ionosphere" *R. Robinson*

9:00 pm Buses depart from Dannys Restaurant to hotels.

Tuesday 11/06/2007: Collaborations with model developers: Successes, Challenges. New Models and Opportunities

7:45 am** Buses depart from hotels to AO

8:15 am Continental breakfast

9:00 am – 10:55 am

Chair: B. Schunk

CSEM – CCMC collaborations and plans for the future: [T. Gombosi](#) (25 min)

CISM-CCMC collaborations and plans for the future: [J. Lyon](#) (25 min)

Highlights of OpenGGCM – CCMC collaboration: [M. Kuznetsova](#) (15 min)

New Opportunities: Earth-Moon-Mars Radiation Exposure Model: [N. Schwadron](#) (25 min)

New Opportunities: Flux emergence modeling: [G. Fisher](#) (25 min)

10:55 – 11:10 am Break

10:55 – 12:30 am

Chair: G. Fisher

Next generation coronal active region model: [P. Macneice](#) (25 min)

Discussion: New Models and Opportunities (20 min)

WSA at the CCMC: [N. Arge](#) (25 min)

MAS and CORHEL at the CCMC: [P Riley et al](#) (25 min)

12:30 – 1:30 pm Lunch

CCMC Steering Committee Meeting

1:30 – 4:00 pm

Chair: T. Moretto

ENLIL at the CCMC: [D. Odstrcil](#) (25 min)

Heliospheric Tomography Model at the CCMC: [P. Hick](#) (25 min)

SWMF at the CCMC and plans for the future: [G.Toth](#) (25 min)

Inner Magnetosphere Models at the CCMC: [N. Buzulukova](#) (25 min)

GAIM at the CCMC and plans for the future: [B. Schunk](#) (25 min)

CTIP at the CCMC and plans for the future: [N. Maruyama](#) (25 min)

4:00 – 4:15 pm Break

4:15 – 5:00

Chair: T. Moretto

SAMI2 at the CCMC and plans for the future: [J. Huba](#) (25 min)

AbbyNormal at the CCMC and plans for the future: [V. Eccles](#) (20 min)

5:00 – 5:45 pm

Discussion: CCMC's role in Community Modeling: What should it be?

Chair: J. Borovsky

6:00 pm Buses depart from AO to Hotels and Restaurant

Wednesday PM 11/07/2007: Operations Needs. Metrics and V&V.

- 7:30 am – 12:00** Excursion to Rio Camuy Caves
- 7:30 am**** Buses depart from hotels to Rio Camuy Caves
- 12:00** Buses arrive from Rio Camuy Caves to AO
- 12:00 – 1:00 pm** Lunch
- 1:00 pm – 3:05 pm**
Chair: D. Knipp
NOAA SWPC needs: *T. Onsager* (25 min)
AFWA needs: *M. Sattler* (25 min)
AFSPC needs: *S. Quigley* (25 min)
Ionosphere models metrics using Arecibo data: *V. Eccles* (25 min)
CCMC Operations support, metrics and V&V report: *M. Kuznetsova* (25 min)
- 3:05 – 3:20 pm** Break
- 3:20 pm – 4:00 pm**
Chair: D. Knipp
Discussion: CCMC support of Operations: Next Steps?
- 4:15 pm** Buses depart to El Salitre Restaurant
- 5:00 pm** Banquet at El Salitre Restaurant.
- 9:00 pm** Buses depart from El Salitre Restaurant to hotels.

**Thursday AM 11/08/2007: Data Standards.
Workshop Summary and Future Directions**

- 7:30 am**** Buses depart from hotels
- 8:00 am** Continental breakfast
- 8:30 – 10:15 am**
Data Infrastructure
Chair: T. Mannucci
CCMC and Virtual Observatories: *A. Roberts* (25 min)
CCMC data standards: *M. Maddox* (25 min)
Magnetogram synthesis – An application of the CCMC data
standardization approach: *P. Macneice* (15 min)
Platform-independent binary data format: *G. Fisher* (15 min)
Discussion (25 min)
- 10:15 – 10:30 am** Break

10:30 – 11:30 am

Summary of Workshop Results

Chair: *M. Hesse*

Science and Education Support: *R. Walker* (15 min)

Collaboration with code developers. New Models: *T. Moretto* (15 min)

CCMC's role in Community Modeling: *J. Borovsky* (15 min)

Operations needs, metrics and V&V: *D. Knipp* (15 min)

11:30 – 12:30 pm

General Discussion: New Directions

Next workshop

Final Words: *M. Hesse*

Adjourn

12:30 – 1:30 pm

Lunch

**** PLEASE NOTE:** This is the time when the buses will DEPART FROM THE HOTELS. So you need to be on board prior to the departure time. Buses/Vans will arrive at hotels 30 min prior to the departure time.

IF YOU MISS THE BUS YOU WILL HAVE TO TAKE A CAB TO THE AO.

NOTE TO PRESENTERS:

Please consider allocated times as guidelines for what we hope to be an informal Workshop with plenty of discussions. Allocated time in parentheses include time for questions/comments/discussions, which are strongly encouraged. For example, if an approximate allocated time is 25 minutes, do not plan to talk more than 15 – 18 min.