

ECLAT Project Meeting 5 (PM5), 2nd Project Review, 14-16 April 2013
Vortragsaal, IWF/OEAW, Schmiedlstr. 6, 8042 Graz, Austria

ECLAT event meeting, 17-19 April 2013
Vortragsaal, IWF/OEAW, Schmiedlstr. 6, 8042 Graz, Austria

Sunday 14th April 10:00-

Opening of meeting

Session 1: ECLAT Dipolarization, current sheet & field-aligned current events

P. Boakes: Cluster region and event dataset

D. Schmid/M.Volwerk: Cluster dipolarization event statistics

A. Nikolaev, V. Sergeev: Field-line distortions by different versions of the Substorm Current Wedge and their consequences"

P. Boakes: Field-aligned current around onset time/region

K. Kauristie: Some results from first statistical studies using the equivalent current data base

12:30- Lunch "Kirchenwirt" (<http://www.kirchenwirt-stpeter.gws.cc/>)

Sunday 14th April 14:30-

Session 2: ECLAT relevant sciences

W. Teh: Current density estimation for PSBL: results from ideal MHD reconstruction method

A. Aikio: BBFs in the ionosphere/magnetosphere (invited)

A. Yoshikawa : M-I coupling theory

E. Panov: Oscillatory braking

R. Nakamura: flow bouncing

S. Imber : SuperDARN Observations over a Solar Cycle

R. Nomura: Ion cyclotron waves

F. Plaschke: High speed jets (HSJ) in the subsolar magnetosheath

Monday 15th April 9:00-

Session 3: Plasma boundaries and modeling

N.A.Tsyganenko: The new data-based field model: Database, parameterization, and first tests".

M.Kubyshkina, V.Sergeev, P.Boakes, R.Nakamura: On the possibility of mapping error estimations from energetic particles boundaries data

S. Milan: Magnetic field mapping of magnetospheric boundaries to the ionosphere

S. Milan: Comparison studies between the IMAGE FUV and SuperDARN datasets

M. Shukhtina: Tail magnetic flux calculation using Cluster and its application in different tail domains.

Gordeev E., Facsko G., Sergeev V., Honkonen I., Palmroth M., Janhunen P., Milan S.: Verification of the GUMICS-4 global MHD code using empirical relations, Gordeev E., Facsko

Lunch 12:30-

Monday 15th April 14:00-

Session 4: Discussions on GUMICS data assimilation events

M. Palmorth: Comments on a good candidate event for assimilation

Good observations on either or all of the following parameters(for a couple of hours):
Ionospheric conductances (Pedersen & Hall),
field-aligned currents,
ionospheric potential (SuperDARN)
precipitation (IMAGE FOV)
I-covered by magnetospheric observations from several locations.

P. Boakes: Candidate events from list of "IMAGE Frey-onset + Cluster within 4MLT"

IMAGE+Cluster+MIRACLE

20020802002056, 20021028183523, 20011001193420

IMAGE+Cluster:

20020820223625, (Without Cluster FGM data) 20011001193420, 20010831210633

Workshop wrap-up

19:00 Dinner at "Der Steirer"

Belgiergasse 1, 8020 Graz, Tel.: +43 (0)316 703-654

<http://www.der-steirer.at/>

ECLAT Project 2nd Project Review

16 April 2013

Vortragsaal, IWF/OEAW, Schmiedlstr. 6, 8042 Graz, Austria

Time	Topic	Time	Presenter
9:00	Opening of the review meeting	10'	Stefano D'Orilia (REA)
9:10	ECLAT overview, Implementation of reviewer's recommendations, Use of resources, WP100 – ULEIC	30'	Steve Milan (ULEIC)
9:40	WP200 – OEAW	20'	Rumi Nakamura (OEAW)
10:00	WP300 – FMI	20'	Kirsti Kauristie (FMI)
10:20	WP300 – SPSU	20'	Victor Sergeev (SPSU)
10:40	WP400 – ULEIC	20'	Steve Milan (ULEIC)
11:00	WP500 – FMI	20'	Minna Palmroth (FMI)
11:20	WP600 – IRF	20'	Hermann Opgenoorth (IRF)
11:40	Questions and answers session	20'	All + reviewer and REA
12:00	Internal discussion on preliminary conclusions of the review between REA project officer and reviewer	20'	REA & reviewer
12:20	Feedback of preliminary review conclusions from the reviewer	20'	Reviewer and REA + All
12:40	Defining actions and deadlines	10'	All + REA
12:50	Wrap-up of review meeting	5'	

Lunch 12:40-

Tuesday 16th April (afternoon)

Business meeting (ECLAT team)

ECLAT event meeting , 17-19 April 2013

Vortragsaal, IWF/OEAW, Schmiedlstr. 6, 8042 Graz, Austria

Wednesday 17th April

D1 Event introduction and splinter

Thursday 18th April

D2 Working day of the event (splinter)

Casual DINNER at Glöckel Bräu <http://www.gloecklbraeu.at/>

Thursday 19th April

D3 Summary discussions. Work-plan for the events

(10: 00 - 11:00 IWF seminar

O. Amm : Analysis of ionospheric electrodynamics and M-I coupling using Swarm and Cluster)

1. Cluster-MIRACLE conjunction (Pete, Kirsti, Liisa, Max, Herman, Steve)

Herman: Substorms

20.04.2002 18-20:00

08.09.2002 21-23

04.09.2005 21-23

(July 17, 2008 ?)

(August 7, 2008 ?)

Pete: Cluster FAC events with IMAGE onset (introduced in workshop):

Both cluster footprints and substorm onset in MIRACLE FOV:

20020802002056,

20021028183523,

20011001193420,

20010928200507

Cluster only:

20020820223625,

20010831210633

2. Cluster-THEMIS GBO (Rumi, Liisa, Olaf)

Rumi: hemispheric mismatched event, NOT due to By

20070907 event

3. Cluster-CHAMP FAC events (Olaf)

Event 1: 2002-11-16 10:54:37 UT

Event 2: 2002-12-26 15:24:44 UT

Event 3: 2003-03-31 20:18:36 UT

4. THEMIS- Miracle Current sheet oscillation (Evgeny)

20080309 0350-0420

20090211 0200-0300

20090217 0330-0430

20090223 0300-0330

20090305 0240-0305

20090305 0305-0350

20090330 0110-0210

5. THEMIS current wedge events (Victor, Olaf, Mark, Rumi)

ISSI team event led by L. Kepko

March 17,2010 04-06UT

6. THEMIS-Cluster conjunction event during dipolarization (Rumi, Olaf)

ISSI team event led by O. Marghitu and J. Vogt

20080225 0950-1030 UT