PMM Land Surface Telecall Topics 9 September 2015

Wrap-Up from July PMM meeting

SMAP Update and upcoming ROSES amendment http://smap.jpl.nasa.gov/news/1247/

ITWG Microwave Surface Modeling Workshop in Grenoble, March 2016 http://cimss.ssec.wisc.edu/itwg/groups/rtwg/meetings/sfcem/2016/

GMI land surface modeling, observations, inplementation – future special session or small 1-day DC-area workshop?

Change to telecall time? (currently aim for first Wed of each month, 11AM Eastern).

Send me citations for any of your recent surface-relevant publications

Minnesota Inland Lake (10H)



Rapid emissivity change from freeze-thaw cycles

(excerpted from Turk et al, to be submitted to JTech)

4th Workshop on Remote Sensing and Modeling of Surface Properties

INTERNATIONAL

WORKING GROU

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-16 March 2016, Maison Jean Kuntzmann, Saint Martin d'Hères, France

The 4th Workshop

After three successful workshops in 2006, 2009, and 2011 we are pleased to announce the upcoming 4th edition of "Remote Sensing and Modelling of Surface Properties (RSMSP)" workshop which will be held in Grenoble, France with the support of CNRM-GAME/Centre d'Etudes de la Neige, Météo-France, the Observatoire des Sciences de l'Univers de Grenoble, the US Joint Center for for Satellite Data Assimilation (JCSDA).

Following the recommendation of the International TOVS working group, this workshop focuses on the identification of scientific challenges facing surface modeling and ways to improve the use of remote sensing observations in Numerical Weather Prediction (NWP). As in previous RSMSP workshops, a special issue is expected to be published in a peer-review journal, highlighting the contributions that will be presented in the workshop.

Subject of the workshop

This workshop seeks to bring together scientists working in the fields of remote sensing, modeling of the surface and its radiative properties, and satellite data assimilation. Microwave, infrared, and visible applications will be considered, both in passive and active modes. Topics will include studies of the surface emissivity and temperature of land surfaces, sea ice, open water, snow. A significant part of the workshop will be dedicated to the exploitation of microwave, and infrared observations in NWP with particular emphasis on impact studies with the assimilation of surface sensitive observations. The workshop will also offer an opportunity for assessments of recent results obtained from SENTINEL-1, SARAL-ALTIKA, SMOS, GPM, and SMAP. A non-exhaustive list of the workshop topics is included below.

Scientists interested in these fields are invited to send their contributions in the shape of a one-page summary via e-mail to all email addresses listed below. The abstract should include a description of the proposed contribution, the name(s) of the author(s) and affiliation(s), mailing and electronic addresses and should be sent **no later than December 1st, 2015**.

Important Dates

- Deadline for Abstracts: 01 December 2015
- Draft Program: 20 January 2016
- Final Program: 19 February 2016
- RSMSP workshop: 14-16 March 2016

This focused meeting will have no parallel sessions and only oral sessions. The workshop format will encourage open discourse with plenty of time for questions, and discussions.

Venue

The meeting will convene in the Maison Jean Juntzmann in the town of Saint Martin D'Hères, France.

Registration

Registration and submission of abstracts will close on December 1st, 2015.

(From July PMM night meeting) Topical Areas – After 1+ Year of GPM Data

Focus on emissivity/sigma0 from a land surface physics perspective: Slowly varying and rapidly-varying components

Evaluation of radiometer observations and retrievals from land surface perspective: Separate by surface characteristics

Evaluation amongst S0, S1 (V1.4 current, V2 later this year), S2 GPROF variants: self-consistency

Development of Over-land databases for future GPROF V2: Ongoing work between various groups

Use of Recent Field Campaign Data: "clear" flights before and after significant land change, rain events (OLYMPEx Nov-Dec this year)

Ongoing development of MW sounder-based (cross-track) products