

Report from the Venus climate working group

5th meeting 13-14 September 2010

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Participants

Lennart Bengtsson	ISSI
Symeon Koumoutsaris	ISSI
Sebastien Lebonnois	France
Stephen Lewis	UK
Sanjay Limaye	US
Peter Read	UK (via Skype)
Hauke Schmidt	Germany
Håkan Svedhem	ESA/ESTEC
Masaru Yamamoto	Japan

1. Scientific update

The latest news from the Venus Express mission were presented by Håkan Svedhem. The spacecraft and its payload is in general in a good condition. The present funding covers operations to end 2012 and an extension until the end of 2014 is to be decided during next fall (fuel is available until 2015).

The Japan's Venus AKATSUKI mission was launched successfully and is proceeding as planned, as presented by Masaru Yamamoto. The spacecraft will arrive at Venus, on December 7th, 2010. Mission life is expected to be more than 2 Earth years.

Sebastian Lebonnois has presented a short summary of the inter-comparison of the Venus models that will be included in the book. Alexander Rodin presented via Skype, some recent results of a non-hydrostatic general circulation model of the Venus atmosphere. It has been suggested to include this model to the inter-comparison effort, only if A. Rodin can provide on time results of his model following the same inter-comparison protocol.

The presentations of the meeting are available on this password-protected web page:
<http://www.issibern.ch/workshops/venusclimate/documents.html>

2. Status of the book chapters: Discussion of draft material

The meeting has been mostly dedicated to the discussion of the draft material of the book. Several re-arrangements/clarifications of the structure of the book were made. The latest version of the detailed outline of the book is available online (password protected):

http://www.issibern.ch/workshops/venusclimate/documents/meetings/venus_book/venus_book_extended_v2.pdf

The contributions of the authors are also available on-line and will be updated accordingly:
http://www.issibern.ch/workshops/venusclimate/documents/book_chapters.html

It has been agreed that a first complete draft of the book should be ready **before the end of the year 2010**. Since some of the authors have not been able to attend this meeting, an additional **Skype teleconference** is scheduled for the end of October 2010 in order to discuss the progress of the writing.

Ideas of the cover illustration of the book have also been discussed (action on S. Koumoutsaris and/or S. Limaye group).

ISSI is in discussions with Springer for the publication of the ISSI Scientific Report Series, including the Venus book.

3. Agenda of the meeting

Monday 13 September

09:30 - 09:45

L. Bengtsson: Short summary of activities since last meeting

09:45 - 10:15

H. Svedhem: Report from the Venus Express and mission

10:15 - 10:45

M. Yamamoto: Report from the Venus AKATSUKI mission

10:45 - 11:15 Coffee Break

11:15 - 12:30

S. Lebonnois: Report of the modeling subgroup

12:30 - 14:00 Lunch break

14:00 - 15:00: Skype Contact P. Read

15:00 - 16:00: Skype Contact A. Rodin

16:00 – 18:30: Status of the Venus Book:
Discussion of draft material

20:00 Social Dinner (Restaurant “Kornhauskeller”)

Tuesday 14 September

09:00 - 14:00 – Discussion of draft material (cont.)

14:00 End of Meeting