CAWSES Related Projects in Japan:
Grant-in-Aid for Creative Scientific Research
“Basic Study of Space Weather Prediction”

K. Shibata and H. Kurokawa
Kwasan and Hida Observatories
Kyoto University
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Japanese Project

"The Basic Study of Space Weather Prediction"

- Grant-in-Aid for Creative Scientific Research (program of the Ministry of Education, Science, Sports, Technology, and Culture of Japan)
- PI: K. Shibata (Kyoto Univ.)
- recommended by Prof. Kamide
- Term: 5 years (2005-2009)
- Number of Researchers: 11
- Budget: 450 M yen / 5 years
Purpose of this project

• to develop a physical model of solar-terrestrial phenomena and space storms as a basis of space weather prediction under international program CAWSES

• To encourage close and effective collaboration between solar and geophysicists
Research Plan

• Study of Energy Release on the Sun
  K. Shibata, S. K. Kato, S. Tsuneta, K. Kusano
  Hida obs and Solar B (2006, Sep)

• Solar Wind Radio Observations and Modeling
  K. Fujiki
  Nagoya/STE Lab radio obs

• Real Time Observations of Magnetosphere and Ionosphere and Space Weather Map Modeling
  T. Ogino, Y. Omura, T. Obara
  data analysis and space weather mapping

• Virtual Observatory
  M. Hoshino, I. Shinohara, M. Ugai
  Numerical Modeling based on real data

Virtual Observatory
Previous meetings

- Project ("The Basic Study of Space Weather Prediction" meeting, 20~30 persons (6 meetings between 2005 Apr – 2006 July)
- Domestic CAWSES workshop (Sep 12-13, 2005, Nagoya) ~ 100 persons
- International Solar B science meeting (6th) (Nov 8-11, 2005, Kyoto,) (co-chair: Shibata and Sakurai) ~ 140 persons
- Space weather session in Japanese Geoscience Union meeting (May 14-15, 2006, Makuhari) (conveners: Kikuchi and Shibata) ~60 persons
Future plans in Japan

• Domestic space weather data analysis/modeling workshop (Aug 21-23, 2006, at Hida Obs.) ~ 35 persons
• Solar B launch (Sep 23, 2006, JAXA/ISAS)
• International space weather modeling workshop (Nov 18-21, 2006, at Earth Sim. Center) ~ 100 persons
• Domestic space weather meeting (Mar. 2007, at STE Lab. At Nagoya Univ.)
• International atmospheric coupling symposium (Mar. 2007, at Kyoto Univ.)
• International CAWSES symposium (Oct. 2007, at Kyoto Univ.)
Plan of future workshops

(preliminary) (as of Sep. 2005)

• 2005 data analysis workshop 30 50
  2005 Dec, @San Francisco ??)

• 2006a numerical modeling 30 50
  (2006 July, @Earth simulator center ???)

• 2006b data analysis workshop 30 50
  2007 March ??? @ Alaska Farebanks )

• 2007 CAWSES international meeting >100
  2007 July @ Kyoto ???)

• 2008 space weather summer school 50 100
  (2008 July @ Nagoya???)

• 2009 summary workshop ?

To encourage more and more collaboration between solar- and geo- physicists
Plan of future workshops

(preliminary) (as of July 2006)

- 2005 data analysis workshop 30 50
  2005 Dec, @San Francisco

- 2006a numerical modeling 100
  (2006 Nov, @Earth simulator center)

- 2006b data analysis workshop 30 50
  2007 March @ Alaska Farebanks

- 2007 CAWSES international meeting >200
  2007 Oct @ Kyoto

- 2008 space weather summer school 50 100
  (2008 July @ Nagoya???)

- 2009 summary workshop

To encourage more and more collaboration between solar- and geo- physicists