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* ISWI Newsletter – Vol. 5 No. 097                      13 September 2013 *
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*           I S W I = International Space Weather Initiative      *
*                   (www.iswi-secretariat.org)                   *
*                                                                 *
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Attachment(s):

- (1) "hinode7-poster" 800 KB pdf, one page.
 (2) "Hinode Science Center at NAOJ" 300 KB pdf, one page.

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:           Re:
:           [1] Voyager 1 reaches interstellar space!
:           [2] The Seventh Hinode Science Meeting
:           [3] Hinode Science Center at NAOJ
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Dear ISWI Participant:

There are three items today:

[1]

"University of Iowa space physicist Don Gurnett says there is solid evidence that NASA's Voyager 1 spacecraft has become the first manmade object to reach interstellar space, more than 11 billion miles distant and 36 years after it was launched."

Read more at:

<<http://phys.org/news/2013-09-voyager-spacecraft-interstellar-space.html>>

(Thanks to Dr Hans Haubold for sending this in.)

[2]

For your information:

: The 3rd NAOJ symposium
 : The Seventh Hinode Science Meeting
 : Takayama Japan
 : 12-15 November 2013
 : <http://www.kwasan.kyoto-u.ac.jp/hinode>

The poster for this meeting is attached as the first pdf.

[3]

What is Hinode ?

: The Hinode (Solar-B) is a highly sophisticated observational
 : satellite equipped with three advanced solar telescopes. It was
 : launched on 22 September 2006 UT (23 September in Japan time).
 : Its solar optical telescope (SOT) has an unprecedented
 : 0.2 arcsec resolution for the observation of solar magnetic fields.
 : It would resolve a feature with the size of 50cm, if it observed
 : the Earth. The X-ray telescope (XRT) has a resolution of three
 : times as high as Yohkoh, and the EUV imaging spectrometer (EIS)
 : has sensitivity ten times as high as the ESA SOHO instrument.
 : These X-ray and EUV telescopes would reveal the heating mechanism
 : and dynamics of the active solar corona.

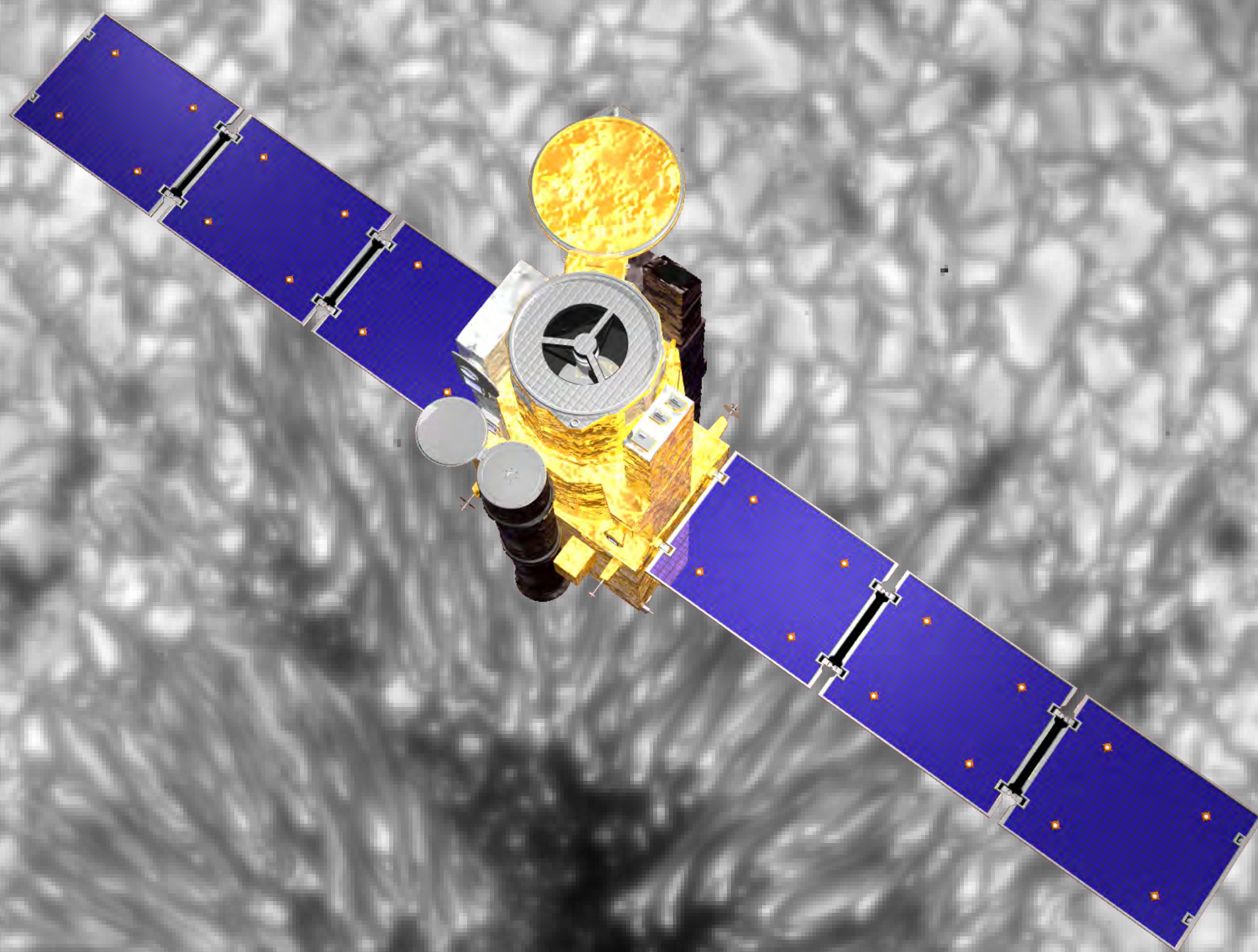
Info on the Hinode Science Center is attached as the second pdf.

If you have news to share, please send it in to me.

Most faithfully yours,

. George Maeda
. The Editor
. ISWI Newsletter

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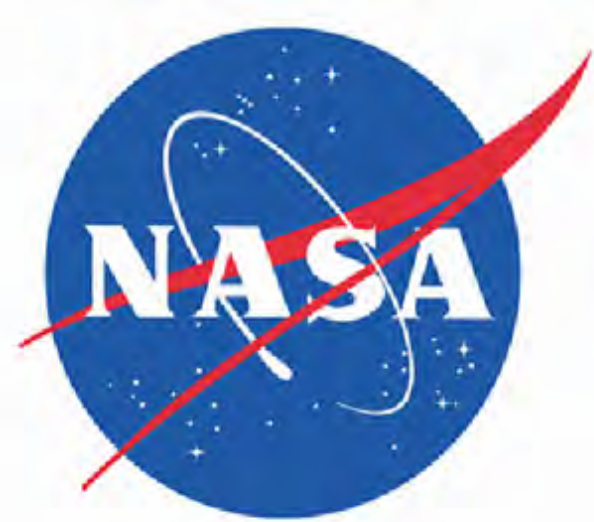
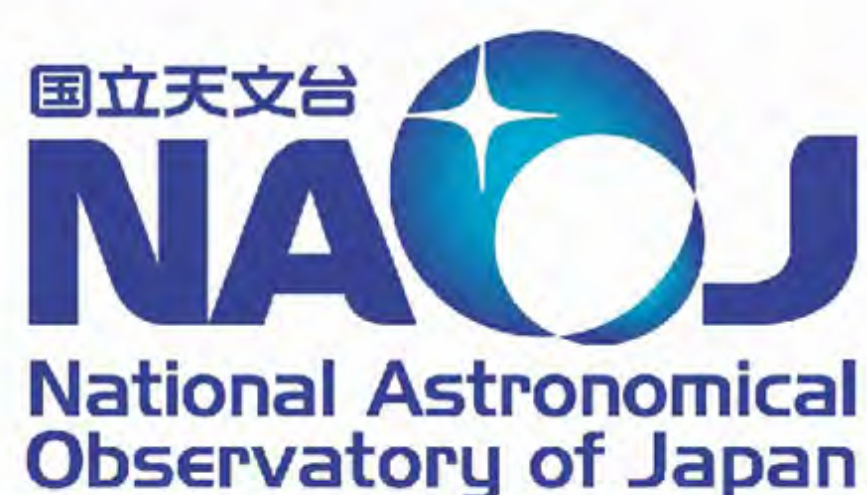
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The 3rd NAOJ symposium
The Seventh Hinode Science Meeting
Takayama Japan
12-15 November 2013

<http://www.kwasan.kyoto-u.ac.jp/hinode-7/>



Jointly hosted by Kyoto University and NAOJ
Sponsored by JAXA and Takayama city

主催: 京都大学理学研究科附属天文台、自然科学研究機構国立天文台
共催: 宇宙航空研究開発機構宇宙科学研究所 後援: 高山市



National Astronomical Observatory of Japan (NAOJ)

Division of Solar and Plasma Astrophysics

Division of Radio Astronomy

Solar Observatory

Nobeyama Solar Radio Observatory

● Mission Statement

● Instruments

- Solar Optical Telescope
- X-Ray Telescope
- EUV Imaging Spectrometer

● Operation

- This Week
- Latest Images
- Observation Proposals
- Coordinated Observations
- Eclipse Seasons
- Science Working Group

● Science

- Hinode Science Center
- Quick Look Movies
- Data Archive
- Analysis Guide
- Instruction for Users
- Enquiry
- Meetings
- Publications

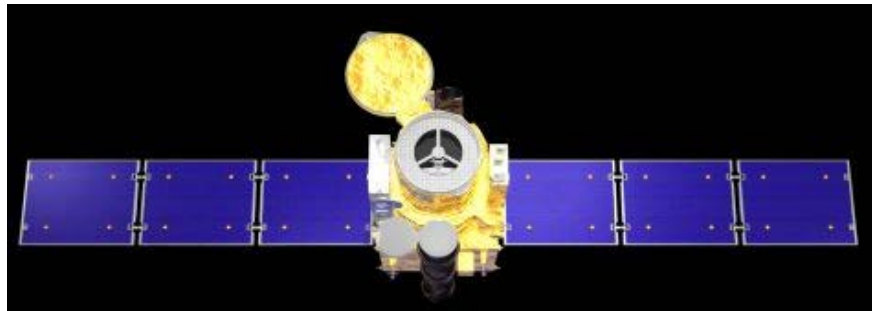
- SOLAR-C Project

● Information

- News
- Messages
- Members
- Visiting Professors
- Contacts

● Miscellaneous

- Gallery
- Free Stuff
- Internal Page
- Links



On orbit since 22 September 2006 (Y+2548)

The *Hinode* (Solar-B) is a highly sophisticated observational satellite equipped with three advanced solar telescopes. It was launched on 22 September 2006 UT (23 September in Japan time). Its [solar optical telescope \(SOT\)](#) has an unprecedented 0.2 arcsec resolution for the observation of solar magnetic fields. It would resolve a feature with the size of 50cm, if it observed the Earth. The [X-ray telescope \(XRT\)](#) has a resolution of three times as high as *Yohkoh*, and the [EUV imaging spectrometer \(EIS\)](#) has sensitivity ten times as high as the ESA *SOHO* instrument. These X-ray and EUV telescopes would reveal the heating mechanism and dynamics of the active solar corona.

With this suite of telescopes, we can address the following key questions in solar physics : Why does a hot corona exist above the cool atmosphere? What drives explosive events such as solar flares? What creates the Sun's magnetic fields?

The *Hinode* Science Center at NAOJ plays a lead role in instrument design and development, mission operation and data analysis with the Japan Aerospace Exploration Agency (JAXA), and promotes international collaboration with the US and European partners.

- [Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency \(ISAS/JAXA\)](#)
- [National Aeronautics and Space Administration \(NASA\)](#)
- [Science and Technology Facilities Council \(STFC\)](#)
- [European Space Agency \(ESA\)](#)



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(http://hinode.nao.ac.jp/index_e.shtml)
on 13 Sept 2013.

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Editor, ISWI Newsletter.