

Initial Results from Hinode: Workshop in Memory of Takeo Kosugi
 2007 April 24–27, NAOJ Subaru Auditorium

Final Program

15min talk + 5min discussion unless otherwise specified.

Posters can be put up on Wednesday morning.

		Chairperson
April 24 (Tue)		
9:30–10:00	registration	
10:00–12:00	(120min, 6 talks)	Lites
	Welcome Message from the Organizers	
	Instrument Status and Performance Verification	
	Hinode/SOT: Current Status S.Tsuneta (NAOJ) et al.	
	Hinode/XRT: Current Status R.Kano (NAOJ) et al.	
	Hinode/EIS: Current Status H.Hara (NAOJ) et al.	
	Calibration for Co-Alignment among Images from the Three Telescopes of Hinode with Sub-Arcsecond Accuracy: Mercury Transit, DC Offset, and Orbital Variations of Telescope Pointing T.Shimizu (ISAS/JAXA) et al.	
	Performance of Image Stabilizer of Hinode/SOT S.Nagata (Kyoto U.) et al.	
12:00–14:00	Lunch Break	
14:00–16:30	(150min, 4 talks)	Davis
	Session Dedicated to the Memory of Takeo Kosugi	
	Solar Flares Observed with Yohkoh/HXT S.Masuda (STELAB)	40min
	Kosugi-san and Nobeyama Solar Radio Observatory K.Shibasaki (NRO/NAOJ)	40min
	Radio Enhancement in Coronal Holes N.Gopalswamy (NASA/GSFC) and K.Shibasaki (NRO/NAOJ)	25min
	Takeo Kosugi and Indo-Japan Collaboration in Solar Physics R.Jain (PRL, Ahmedabad)	25min
16:30–1800	Refreshments, Visit to the Hinode Science Center	
18:00–20:00	Buffet Dinner	
April 25 (Wed)		
10:00–12:00	(120min, 6 talks)	Tarbell
	Photosphere (Quiet Sun)	

In-Orbit Optical Performance of Hinode/SOT in G-band (430 nm) Estimated with Phase Diversity Method

Y.Suematsu (NAOJ) et al.

High-Sensitivity Observations of Quiet Sun Magnetic Fields by Using both Extreme-Limb and Sun-Center Spectro-Polarimetric Data

S.Tsuneta (NAOJ) et al.

Dynamical Properties of Flux Tubes and its Relationship to Convective Collapse Revealed by Spectropolarimeter of Hinode/SOT

S.Nagata (Kyoto U.) et al.

Discovery of Small-Scale Horizontal Magnetic Structures in the Photosphere

R.Ishikawa (U.Tokyo) et al.

Has Hinode Found the Missing Turbulent Magnetic Fields of the Quiet Sun?

B.Lites (HAO) et al.

Attempt to Detect Alfvén Waves with Hinode/SOT

S.Tsuneta (NAOJ) et al.

12:00–14:00 Lunch Break

14:00–15:00 (60min, 3 talks)

Sakurai

Photosphere (Active Regions)

Hinode/SOT High Resolution Observation of Small Scale Magnetic Flux Emerging around a Sunspot

K.Otsuji (Kyoto U.) et al.

Fine Structures of the Evershed Flow Observed by SOT aboard Hinode

K.Ichimoto (NAOJ) et al.

Magnetic High-Speed Local Flows Revealed in Hinode Optical Stokes Observations

T.Shimizu (ISAS/JAXA) et al.

15:00–16:00 Poster Session

16:00–17:40 (100min, 5 talks)

Suematsu

Formation of Moving Magnetic Features and Penumbra Magnetic Fields with Hinode/SOT

M.Kubo (ISAS/JAXA) and K.Ichimoto (NAOJ) et al.

Plasma Properties of Penumbra Fine Structures

J.Jurcak (NAOJ) et al.

Center-to-Limb Variation in Stokes Profiles of Magnetic Fluxtubes Observed with Hinode Spectropolarimeter

S.Morinaga (U.Tokyo) et al.

Milne-Eddington Model Fitting Program of the Hinode SOT/SP Data

T.Yokoyama (U.Tokyo) et al.

Initial Analysis of Hinode/SOT Helioseismology Data

T.Sekii (NAOJ) et al.

April 26 (Thu)

10:00–12:00 (120min, 6 talks)

Chromosphere

Tsuneta

Ubiquitous Alfvén Waves in the Chromosphere
T.Tarbell (LMSAL) et al.

Chromospheric Micro-Jets Discovered above Sunspot Penumbrae
Y.Katsukawa (NAOJ) et al.

High Resolution Observation of Spicules with Ca II H Filtergraph of
Y.Suematsu (NAOJ) et al.

Rapid Changes in the Small Scale Magnetic Fields and the Chromosphere
A.Title (LMSAL)

Transition Region and Corona

A New View of the Solar Corona with the X-Ray Telescope (XRT) aboard
T.Sakao (ISAS/JAXA) et al.

Micro-Flares Observed with Hinode/XRT
R.Kano (NAOJ) et al.

12:00–13:40 Lunch Break

13:40–15:40 (120min, 6 talks)

Doschek

Chromosphere

Tsuneta

Ca II H Anemone Jets Discovered outside Sunspots Observed with
K.Shibata (Kyoto U.) et al.

First Discovery of Ellerman Bombs by Hinode/SOT with Hida/DST
T.Matsumoto (Kyoto.U) et al.

Transition Region and Corona

Discovery of Cool Cloud-Like Structures in the Corona with Hinode/SOT
T.Okamoto (Kyoto U./NAOJ) et al.

Fine Structures of Solar X-ray Jets
M.Shimojo (NAOJ) et al.

X-ray Bright Points Observed with Hinode/XRT
J.Kotoku (NAOJ) et al.

Coronal Temperature Diagnostics with Hinode/XRT
N.Narukage (ISAS/JAXA) et al.

15:40–16:20 Coffee Break

16:20–18:00 (100min, 5 talks)

Harra

Temperature and Density Structures of Solar Corona – A Test of
Diagnostic Capability of the EIS Instrument on board Hinode –
T.Watanabe (NAOJ) et al.

Classification of Phenomena Observed by EIS aboard Hinode
K.Matsuzaki (IASA/JAXA) et al.

Velocity Structure of Jets in Coronal Holes
S.Kamio (NAOJ) et al.

High-Velocity Nonthermal Plasma Motion Concentrated at Footpoints
of Coronal Loops
H.Hara (NAOJ) et al.

A Multi-Wavelength View of an Active Region Structure around a Filament
Channel
L.Lundquist (SAO) et al.

April 27 (Fri)

10:00–12:00 (120min, 6 talks)

DeLuca

Observations of Solar Flares with Hinode XRT
T.Sakao (ISAS/JAXA) et al.

2006 Dec 17 Long-Duration Flare Observed with Hinode EIS
H.Hara (NAOJ) et al.

Strongly Blueshifted Phenomena Observed in a Flare with Hinode/EIS
A.Asai (NAOJ) et al.

Temperature-Dependent Upflow in the Plage Associated with an X3.2 Flare
on December 13, 2006
S.Imada (NAOJ) et al.

X-ray Waves Observed with Hinode/XRT
N.Narukage (ISAS/JAXA) et al.

Coronal Dimming Regions Seen with Hinode
L.Harra (MSSL) et al.

12:00–14:00 Lunch Break

14:00–15:40 (100min, 5 talks)

Shibasaki

Hinode/XRT Observations of a Coronal Sigmoid
D.McKenzie and R.C.Canfield (MSU)

A New View of Coronal Magnetic Topology from the Hinode XRT
E.DeLuca (SAO) et al.

Three-Dimensional Coronal Magnetic Field Analysis Based on Hinode/SOT
Vector Magnetograms
K.Kusano (Earth Simulator Center) et al.

Observing Proposals

Interaction between Non-Thermal Electrons and Plasma in the Chromosphere
and Transition Region during Solar Flares: Energetic Balance of Solar Flares
R.Falewicz (U.Wroclaw) et al.

Flare Energy and Fast Electrons via Alfvén Waves
H.Hudson (U.C.Berkeley) and L.Fletcher (U.Glasgow)

15:40–16:20 Coffee Break

16:20–18:00 (100min, 5 talks)

Watanabe

On the Moat–Penumbra Relation
S.Vargas Dominguez (IAC) et al.

Evolution of Vector Magnetic Fields in Canceling Magnetic Features
J.Wang (NAOC) et al.

Study of Non–Potential Magnetic Field Inferred from Photospheric Vector
Magnetograms and Soft X–ray Images
H.Zhang (NAOC)

Many Faces of the Fine Structure of the Eclipse Corona
V.Rusin (Astronomical Institute, Slovakia) et al.

Meeting Summary
K.Shibata (Kyoto U.)

Poster Papers

Formation Process of a Light Bridge Observed with Hinode/SOT
Y.Katsukawa (NAOJ) et al.

Emerging Flux Region Observed with Hinode/SOT on 2006 December 11
T.Miyagoshi (Earth Simulator Center) et al.

Evolution of Vector Magnetic Fields in a Flare Productive Active Region
NOAA10930 with Hinode/SOT
M.Kubo (ISAS/JAXA) et al.

Spatial Distribution of Stokes–V Area–Asymmetries with Hinode/SOT SP
K.Shimada (U.Tokyo) et al.

Derivation of dBz/dz from Stokes Profiles and its Application to Azimuth
Ambiguity Resolution
S.Kamio (NAOJ) et al.

Temperature Diagnosis of Coronal Loop Oscillations using Hinode EIS and
Norikura NOGIS coronagraph
K.Hori (NAOJ) et al.

Diagnosis of Fine Structures in Solar Radio Bursts as Manifestation of
Magnetic Reconnection Processes
J.Huang and Y.Yan (NAOC)

Cooperative Observation of Umbral Dots between Hinode SOT and Domeless
Solar Telescope at Hida
R.Kitai (Kyoto U.) et al.

Searching for Umbral Dots in Hinode Data
N.Hurlburt (LMSAL) et al.

Magnetoconvection, Chromospheric Reconnection and Coronal Heating:
Implication from MHD Simulation
H.Isobe (U.Tokyo)