SOHO 12 / GONG+ 2002 Meeting
Program and Abstracts

SOHO 12 / GONG+ 2002 Local Organizing Committee

October 16, 2002

Scientific Organizing Committee

Phil Goode (Chair)	BBSO/NJIT, U.S.A.
H. M. Antia	Tata Institute, India
Sarbani Basu	Yale University, U.S.A.
Roger Bonnet	CNES, France
Wojtek Dziembowski	University of Warsaw, Poland
Bernhard Fleck	ESA
Claus Fröhlich	World Radiation Center, Davos, Switzerland
Rachel Howe	NSO/NOAO, U.S.A.
Janine Provost	Observatoire de Nice, France
Ed Rhodes	University of Southern California, U.S.A.
Phil Scherrer	Stanford University, U.S.A.
Hiromoto Shibahashi	University of Tokyo, Japan
Juri Toomre	University of Colorado, U.S.A.

Local Organizing Committee

P. Goode (Chair)	BBSO
W. Marquette	
J. Varsik	
R. Martin	
P. Montanes Rodriguez	
L. Didkovsky	

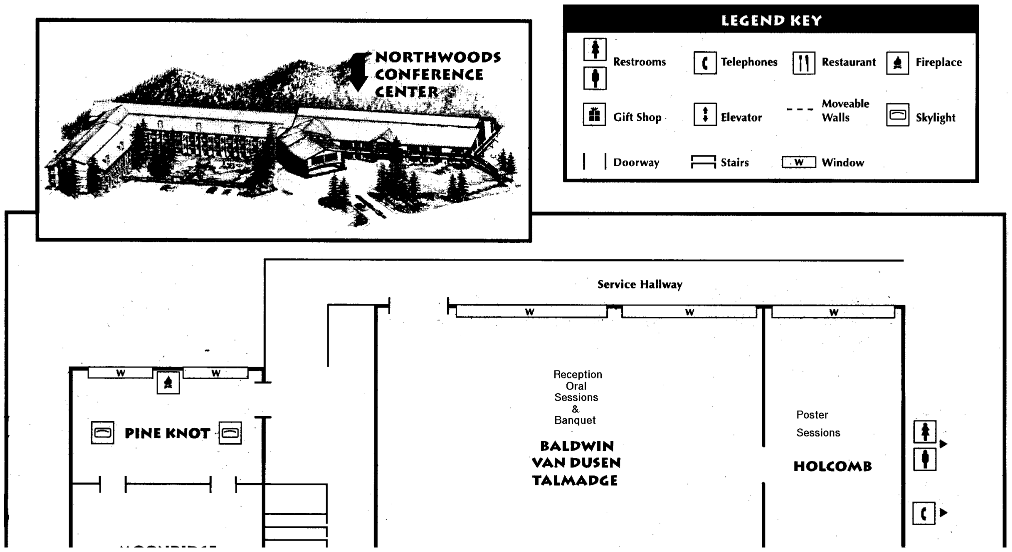
Part I

Detailed Meeting Program

SUNDAY, October 27	
4:00 PM	Registration
6:00 PM	Welcome Reception
MONDAY, October 28	
7:45-8:15 AM	Breakfast
8:15-8:30 AM	Official Greeting from City of Big Bear Lake
SESSION 1: *Local and Global Helioseismology* (Chair: J. Leibacher)	
8:30-9:10 AM	Overview / Where do we stand? (Juri Toomre)
9:10-9:50 AM	Connections between Local and Global Helioseismology (A. Kosovichev)
9:50-10:20 AM	Coffee Break and Poster Session
10:20-11:00 AM	Helioseismic Imaging of the Farside and the Interior (Doug Braun)
11:00-11:20 AM	The Showerglass Effect in Local Seismic Diagnostics of Active Region Subphotospheres (Charles Lindsey)
11:20-11:40 AM	Constraint on Particle Physics from Helioseismology (Hiromoto Shibahashi)
11:40-12:00 PM	Solar Torsional Oscillations: Helioseismic Measurements Versus Dynamo Modelling (Sergei Vorontsov)
12:00-2:00 PM	Lunch Break and Poster Session
SESSION 2: *Helioseismic Imaging* (Chair: B. Fleck)	
2:00-2:40 PM	Supergranulation Revealed as a Spectrum of Traveling Waves (Laurent Gizon)
2:40-3:20 PM	Acoustic Imaging from TON (Dean-Yi Chou)
3:20-3:50 PM	Coffee Break and Poster Session
3:50-4:30 PM	Time-Distance: What Does It Tell Us? (Jesper Jensen)
4:30-4:50 PM	Helioseismic Wavefield Tomography: Some Recent Developments (Chi Hang Tong)
4:50-5:10 PM	Helioseismic Probing of Solar Dynamo Flows (Alexander Ruzmaikin)
5:10-5:30 PM	Mode Frequency Shifts and Sound Speed Perturbations In and Beneath Active Regions (Paul Rajaguru)
5:30-5:45 PM	Poster Discussion (Stuart Jefferies)
5:45-6:30 PM	Cocktail and Poster Session
8:00 PM	SDO Town Meeting

TUESDAY, October 29	
7:45-8:30 AM	Breakfast
SESSION 3: *Temporal Variations in the Solar Interior* (Chair: M. Thompson)	
8:30-9:10 AM	The Internal Rotation of the Sun (Rachel Howe)
9:10-9:50 AM	Large Scale Flows Through the Solar Cycle (David Hathaway)
9:50-10:20 AM	Coffee Break and Poster Session
10:20-11:00 AM	The Solar Tachocline (Thierry Corbard)
11:00-11:20 AM	Temporal Variation of Angular Momentum in the Solar Convection Zone (Rudolf Komm)
11:20-11:40 AM	Interaction of Solar Subsurface Flows with Major Active Regions (Deborah A. Haber)
11:40-12:00 PM	Patterns of Vorticity on the Solar Surface (Herschel B. Snodgrass)
12:00-2:00 PM	Lunch Break and Poster Session
SESSION 4: *Irradiance and Helioseismology* (Chair: D. Hathaway)	
2:00-2:40 PM	Irradiance Variations and Oscillation Frequency Changes (Claus Fröhlich)
2:40-3:20 PM	Physical Origins of Irradiance Variations (Jeff Kuhn)
3:20-3:50 PM	Coffee Break and Poster Session
3:50-4:30 PM	Origin of Irradiance Variations from Disk Photometer Data (Martin Woodard)
4:30-4:50 PM	Sunspot Bright Rings (James Armstrong)
4:50-5:10 PM	Solar-cycle Variation of p-mode Excitation Parameters: Angular Degree Dependence at Low l (Y. Elsworth)
5:10-5:30 PM	Re-viewing Magnetic Field Generation in the Sun in the Light of Helioseismology (Dibyendu Nandi)
5:30-5:45 PM	Poster Discussion (Sarbani Basu)
5:45-6:30 PM	Cocktail and Poster Session

WEDNESDAY, October 30	
7:45-8:30 AM	Breakfast
8:30AM-5:30 PM	Optional Trip to Joshua Tree National Park
6:30-7:00 PM	Cocktails
7:00PM	Banquet
THURSDAY, October 31	
7:45-8:30 AM	Breakfast
SESSION 5: *From Solar to Stellar Seismology* (Chair: J. Kuhn)	
8:30-9:10 AM	The Hunt for Extra-Solar Planets (Tim Brown)
9:10-9:50 AM	Asteroseismology: The Dream is Coming True (Tim Bedding)
9:50-10:20 AM	Coffee Break and Poster Session
10:20-11:00 AM	The Search for g-Modes (Thierry Appourchaux)
11:00-11:20 AM	Eleven Years of IRIS Frequencies and Splittings (Eric Fossat)
11:20-11:40 AM	On the Characterization of High Degree Modes: A Lesson from MDI (S. Kozennik)
11:40-12:00 PM	A Revisited Description of Acoustic Modes (Phi Nghiem)
12:00-2:00 PM	Lunch Break and Poster Session
SESSION 6: *Structure of the Solar Interior* (Chair: T. Brown)	
2:00-2:40 PM	Supergranulation: Advection, Oscillation, Super-rotation (Mark Rast)
2:40-3:20 PM	High-Degree p-Modes and the Sun's Evolving Surface (Ed Rhodes)
3:20-3:50 PM	Coffee Break and Poster Session
3:50-4:10 PM	ECHO p-Modes and Their Variation (Steve Tomczyk)
4:10-4:30 PM	Probing the Solar Core: BiSON (William Chaplin)
4:30-4:50 PM	Results from IRIS (Gérard Grec)
4:50-5:10 PM	Simulations - Hydrodynamics (Regner Trampedach)
5:10-5:30 PM	Simulations - Magnetoconvection (David Bercik)
5:30-5:45 PM	Poster Discussion (Tom Duvall)
5:45-6:30 PM	Cocktail and Poster Session
FRIDAY, November 1	
7:45-8:30 AM	Breakfast
SESSION 5: *Prospects for the Future* (Chair: M. Rast)	
8:30-9:10 AM	What Can We Hope to Learn from SDO (Philip Scherrer)
9:10-9:50 AM	GONG+ and GONG++ (John Leibacher)
9:50-10:20 AM	Coffee Break and Poster Session
10:20-11:00 AM	Solar Physics from Space, a European Perspective (Bo Anderson)
11:00-11:40 AM	Helioseismology Present and Future (Michael Thompson)
12:00-2:00 PM	Lunch
1:30PM	Meeting for GONG Site Managers


NORTHWOODS CONFERENCE CENTER
LEGEND KEY
Restrooms
Telephones
Restaurant
Fireplace
Gift Shop
Elevator
Moveable Walls
Skylight
Doorway
Stairs
W Window
Service Hallway
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W
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PINE KNOT
Reception
Oral
Sessions
&
Banquet
BALDWIN
VAN DUSEN
TALMADGE
Poster
Sessions
HOLCOMB
WOODRIDGE