MLSO Newsletter    February 2009

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New Data Products
The following new data products are now available through the MLSO web site:

1) STEREO/MK4 and LASCO/EIT/MK4 daily composite images (above)
2) Full resolution jpegs and movies of realtime MK4, CHIP (He-I) and PICS (Hα) (from MLSO home page)
3) Full resolution jpegs and movies of MK4 (low corona) since Aug 11, 2008 and CHIP (He-I) since Jan. 5, 2009 archived images (from MLSO calendar page).
Head Observer, Eric Yasukawa, Retiring

Eric (Rick) Yasukawa has announced his retirement as head observer of Mauna Loa. Eric has been an observer at Mauna Loa for 37 years and has witnessed hundreds of solar activity events, such as CMEs and prominence eruptions and more exotic events such as a total solar eclipse that occurred at Mauna Loa in 1991, and volcanic eruptions and lava flows, including the flow in 1975 that sent lava within 25 yards of the observatory road. Eric has been an inspiration to all who know and work with him. We are pleased to announce that Darryl Koon will become the new head observer in February. You can read more about Eric at:


New Mauna Loa User Committee

HAO has formed a Mauna Loa User Committee which provides a forum for users of Mauna Loa data to give feedback and advice to HAO on the status, desired enhancements and future new developments of the Mauna Loa facility and operations. The committee provides HAO with valuable independent advice regarding scientific priorities, user observing modes and programs and advises HAO in assessing the efficacy and quality of MLSO data products. Members of the committee are:

- David Alexander, Chair Rice University
- Nick Arge Air Force Research Lab
- Tim Bastian National Radio Astronomical Observatory
- Terry Forbes University of New Hampshire
- Holly Gilbert NASA Goddard Space Flight Center
- Shadia Habbal University of Hawaii (IfA)
- Alex Pevtsov National Solar Observatory
- Mark Rast University of Colorado (LASP)
- Chris St.Cyr NASA Goddard Space Flight Center

HAO thanks all of the committee members for their help, expertise and advice.

Mauna Loa now part of the Big Bear Hα Global Network

Mauna Loa has recently joined the Big Bear Hα global network. The Mauna Loa observing window (~17 to 02:30 UT) provides overlap and unique data times that complement other observatories in the network. We wish to thank Vasyl Yurchyshyn for all the work he did to make this possible. The Big Bear Hα Global Network is available at:

http://www.bbso.njit.edu/Research/Halpha
Data and products available through MLSO web site

The following observations are served in their entirety from the MLSO web page: MK3 K-coronameter (1980 to 1999), MK4 K-coronameter (1998 to present), PICS Hα (1997 to present), CHIP He-I (1996 to present) and SMM coronagraph (1980, 1984-1989).

Additional MLSO products include:
- MLSO activity lists (1980 to present) and observer logs (1994 to present)
- MLSO publication list
- MLSO observatory and web site general information
- SMM C/P synoptic maps
- SMM C/P CME catalogue

Mauna Loa web site: [http://mlso.hao.ucar.edu](http://mlso.hao.ucar.edu)

University of Colorado LASP serves PSPT observations from Jan 2005 to present: [http://lasp.colorado.edu/pspt_access/](http://lasp.colorado.edu/pspt_access/)

Data Products Coming Soon (check web page for availability):
- Full resolution jpegs and movies of PICS Hα data
- Narrow band Hα limb images and movies
- Daily avg He-I image (improved Signal-to-Noise)
- Best of Mauna Loa Gallery Page (Sneak preview shown below)

Some Examples of Best of Mauna Loa Page ... Coming Soon

CME occurring on February 22, 2004 as observed by the MK4 K-Coronameter

MHD wave of Dec 6, 2006 observed in CHIP He-I doppler images

Prominence eruption of May 15, 2001 recorded in CHIP He-I line center images

Prominence eruption of Feb 18, 2003 observed in PICS occulted Hα

Questions or Suggestions about Mauna Loa data? Please contact us at: mlso_data_requests@ucar.edu
MLSO Recent Publications

The following are papers published between Jan 2008 and Jan 2009 using Mauna Loa data. A complete listing of MLSO publications can be found at:

http://mlso.hao.ucar.edu/mlso_pubs.html


Please contact us if you have a MLSO publication that is not listed on our web site. Send email to:

mlso_data_requests@ucar.edu