solar-stellar variability workshop

8:30am-5:00 pm Wednesday 19th March 2014,
  morning of Thursday 20th March

High Altitude Observatory, NCAR,
  3080 Center Green Drive
  Boulder, CO 80301

Building CG1, Room 3131


Locals: Tom Ayres, Mausumi Dikpati, Juan Fontenla, Sarah Gibson, Greg Kopp, Michael Knoelker, Scott McIntosh, Mark Miesch, Mark Rast*, Matthias Rempel, Marty Snow

*Unable to attend, video-conferencing possible

PURPOSE:

Much old and new data now exist that might help answer some essential aspects of the “dynamo problem”: differential rotation and cyclic behavior in sun-like stars. Data are published in bits and pieces, more remain unpublished.

The idea of this meeting is to begin to pool resources to combine data from different instruments including those from the Mt. Wilson epoch (S index) through today (Lowell SSS and Metcalfe S. hemisphere SMARTS survey), with the APT data and Kepler and other relevant and solar datasets.

We will produce a report indicating promising lines of future work. We hope to help to define thesis topics for MSU graduate student Ricky Egeland, among other goals.

Agenda is on the next page
Agenda
HAO Solar-Stellar variability workshop
19th March 2014

MORNING OF 19th MARCH

8:30  Convene for petit dejeuner

8:50  Philip Judge (HAO): Welcome, introductions, and purpose of meeting

9:00  Piet Martens (MSU): essential theory

9:30  Steve Saar (CfA): essential observations

10:00 Jeff Hall (Lowell): Ca II data from Mt. Wilson and Lowell SSS

10:30  Break

10:45  Travis Metcalfe (Sp. Sci. Inst): SMARTS Ca II data

11:00 Alexei Pevtsov (NSO): NSO synoptic data

11:30 Wes Lockwood (Lowell) & Greg Henry (Tenn. St.U.): Precision ground-based photometry

12:00  Jerry Harder (CU): SORCE spectrophotometry

12:15  Lunch at CG1 cafeteria, or Boulder Brewery (started by David Hummer of JILA)

AFTERNOON

1:30  Christoffer Karoff (Aarhus U.): Kepler

2:00  Tim Brown (LCO): LCOGT capabilities, stellar spindown with bimodal dynamos

2:30-5pm  Open discussion (contributions welcome)

6:30 pm  Group dinner at agave restaurant, http://www.agavecolorado.com/

MORNING OF THURSDAY 20TH MARCH, Captain Mary Room

8:30 am – 12:00 am  Continued open discussion, thesis research project(s)