# 1<sup>st</sup> NCSP Workshop "Preparing for DKIST: An Introduction to Ground Based Data" 4-7 June 2019, Boulder, CO

Room W120 (ground floor) LASP/NSO Building (CU East Campus) 3665 Discovery Dr. Boulder CO, 80303

### June 4, 2019

8:30 – 8:45 Welcome & Introduction to the meeting; Logistics

8:45 – 10:00 Spectrum formation from photosphere to corona P. Judge

coffee break

10:30 – 11:30 Update on DKIST, status & timeline V. Martinez Pillet

11:30 – 12:30 DKIST operations G. Cauzzi

### LUNCH Activity:

"Ice breaker – introduce yourself with a 30 s elevator pitch" C. Raftery

13:45 – 15:00 Toward a DKIST proposal. 1 - Understanding the flux budget (\*) V. Martinez Pillet

#### coffee break

15:30 – 16:15 Earth's atmospheric turbulence, adaptive optics J. Marino

16:15 – 17:00 Effects of atmospheric refraction and dispersion (\*) K. Reardon

\*\*\*\*\*\* BBQ on the terrace at NSO \*\*\*\*\*\*\*

8:30-10:15 Slit-spectra calibration & residuals (\*) C. Beck

coffee break

10:45-12:00 Image spectroscopy calibrations & residuals (\*) S. Criscuoli

## LUNCH Activity:

Toward a DKIST proposal. 2- IPCs for DKIST instruments: the example of ViSP (\*) G. Cauzzi

13:15 – 15:15 Image correction and time series (\*) K. Reardon

coffee break

15:45-17:15 Polarization calibration & residuals (\*) C. Beck

\*\*\*\*\*\* HAPPY HOUR @ LOCAL BREWERY \*\*\*\*\*\*

## June 6, 2019

8:30 – 9:15 DKIST Data Center: data curation, calibration and distribution A. Davey

9:15 – 10:00 Diving deeper into DKIST data calibration F. Watson

coffee break (visit to data center rooms)

10:45 – 12:30: User tools & Visualization: S. Mumford & R. Campbell

## LUNCH Activity:

Toward a DKIST proposal. 3- The DKIST proposal tool (\*) G. Cauzzi

14:00 – 15:30 Production of Level-2 data. Basic of spectral diagnostics (\*) H. Uitenbroek coffee break

16:00-17:30 Production of Level-2 data. Magnetic fields diagnostics (\*) I. Milic

\*\*\*\*\* FREE EVENING \*\*\*\*\*\*

## June 7, 2019

8:30 – 10:00 Introduction to spectropolarimetric inversions (\*) H. Uitenbroek & I. Milic coffee break

**10:30-12:30** Exercise on DKIST proposal writing (to be done in groups): science, strategy, observational constraints. Test the submission tool (\*) **All** 

LUNCH Activity: Evaluation of workshop

\*\*\*\*\*\* END OF WORKSHOP \*\*\*\*\*\*\*\*

13:45 – 15:00 DKIST Ambassadors: presentation of science projects (open to all)

coffee break

(Closed session)

15:30 – 17:30 DKIST ambassadors & mentors: Q&A session; one-on-one discussion

*Note: Talks highlighted with a (\*) include time for some simple exercises*