

DKIST "PRIMER" SCHOOL				
	Monday May 13, 2024	Tuesday May 14, 2024	Wednesday May 15, 2024	Thursday May 16, 2024
Start time (MDT)				
12:00	Office hour: troubleshooting software installation; data downloads etc			
13:00	Welcome: scope & structure of school	Discussion on previous day & exercises; doubts & issues.	Discussion on previous day & exercises; doubts & issues.	Discussion on previous day & exercises; doubts & issues.
13:15	DKIST Intro: telescope and instruments (G. Cauzzi)	Optically thick line (and continuum) formation: photosphere and chromosphere (H. Uitenbroek)	Polarization diagnostics in coronal lines: Hanle and Zeeman effects (A. Paraschiv)	Exercise: explore Stokes profiles of photospheric and chromospheric lines from ViSP. WFA examples ME inversions
13:30				
13:45	DKIST data center & data retrieval (A. Davey)		Exercise: explore Stokes profiles of coronal lines; retrieve magnetic field	
14:00				
14:15				
14:30				
14:45	BREAK	BREAK	BREAK	
15:00	Coronal optically thin line formation and spectroscopy diagnostics (A. Paraschiv)	Explore VBI data: images at different wavelengths; features; quirks (D. Kuridze)	Polarization in photospheric and chromospheric spectral lines: Zeeman effect & Stokes profiles. (H. Uitenbroek)	BREAK
15:15				
15:30				
15:45	Exercise: explore coronal lines profiles. Line fits; spatial distribution; intensity, shifts, width; line ratio and density diagnostics.	Explore ViSP spectral profiles: intensity, profile shapes, shifts, widths, spatial patterns (H. Uitenbroek)	Weak Field & Milne-Eddington approximations (H. Uitenbroek)	Upcoming DKIST Call for proposals (G. Cauzzi)
16:00				
16:15				
16:30				
16:45				Final questions and remarks
17:00	ADJOURN			