

4th NCSP - DKIST Data-Training Workshop - CHROMOSPHERIC DIAGNOSTICS					
	Monday, Jul 19	Tuesday, Jul 20	Wednesday, Jul 21	Thursday, Jul 22	Friday, Jul 23
Start time					
10:30	WELCOME; Intro to meeting and participants; scope and instructions	General discussion on previous day & exercises; common doubts & issues.	General discussion on previous day & exercises; common doubts & issues.	General discussion on previous day & exercises; common doubts & issues.	Extra day for further discussion, doubts and issues; help with exercises
11:00	Introduction to radiative transfer and spectral line formation in the chromosphere (<i>H. Uitenbroek</i>)	Generation of polarized radiation and its transfer for chromospheric lines (<i>H. Uitenbroek</i>)	WFA errors, limitations (<i>R. Centeno</i>)	<i>Exercise on imaging spectrograph data (IBIS)</i>	
11:30					
12:00	BREAK				
12:30	Typical O/IR chromospheric diagnostics (<i>H. Uitenbroek</i>)	<i>Forward synthesis with different spectral lines / field characteristics</i>	<i>Introduce observational GBO data (G. Cauzzi, B. Harker, I. Milic)</i>	<i>cont. (doubts & all)</i>	<i>cont.</i>
13:00	<i>Spectral synthesis guided exercise</i>		<i>Exercise on slit spectrograph data (FISS, SOLIS)</i>		
13:30		The weak field approximation (<i>H. Uitenbroek, R. Centeno</i>)			
14:00	BREAK				
14:30	How to derive velocities in chrom. lines (<i>I. Milic, G. Cauzzi</i>)	How to derive fields using the WFA (<i>R. Centeno</i>)	<i>cont.</i>	Chromospheric diagnostics from broad & narrow band filters (<i>K. Reardon</i>)	<i>cont.</i>
15:00	<i>Velocity exercise on synthetic profiles</i>	<i>Magnetic field exercise on synthetic profiles</i>			
15:30			Spectrograph vs. filtergraph (<i>G. Cauzzi</i>)	The chromospheric capabilities of DKIST (<i>G. Cauzzi</i>)	
16:00	ADJOURN			END OF WORKSHOP	
		GENERAL LECTURE			
		PRACTICAL INSTRUCTIONS			
		HANDS-ON EXERCISE			
		GROUP DISCUSSION			