TASK	DAS('TO>' prompt)	PN.S PC
Window CCDs	**[1]** windowpnsEE	
	[1] windowpnsHa	
Biases	**[2]** multbias pnsl 11; multbias pnsr 11	**[1]** SHUTTER [CLOSE]
	[2] multbias pnsha 11	[1] SHUTTER [CLOSE] & Ha SHUTTER [CLOSE]
Twilight Flats (make sure guide probe is out & remember to offset telescope between exposures & **agmirror out**)	**[1]** skys <time>	**[2]** PN.S EXPOSE [Expose] <time> (click button as soon as CCDs 'integrating' on UDAS mimic)
	[2] skysHaN (skysHaB) <time>	[1] SHUTTER [OPEN] [3] Ha EXPOSE [Expose] <time> (click button as soon as CCDs 'integrating' on UDAS mimic)
	[1] skys_allN (skys_allB) <time>	[2] PN.S EXPOSE [Expose] <time> [3] Ha EXPOSE [Expose] <time>
Twilight Spectra (make sure guide probe is out)	**[3]** expose <time> 'sky spectrum'	**[1]** MASK [CLOSE] **[2]** SHUTTER [CLOSE]
Aquisition Image (short Ha)	**[1]** exposeHaN <time> 'target' (exposeHaB)	**[2]** Ha EXPOSE [Expose] <time> (as soon as CCDs 'integrating' on UDAS mimic)
Focusing Telescope (move to PA=45)	**[1]** telfocus	**[2]** FOCUS [Focus run]
Science Exposure (remember to offset telescope between exposures)	**[1]** expose <time> 'target'	**[2]** PN.S EXPOSE [Expose] <time> (assoon as CCDs 'integrating' on UDAS mimic)
	[2] exposeHaN <time> 'target' (exposeHaB)	[1] SHUTTER [OPEN] [3] Ha EXPOSE [Expose] <time>(as soon as CCDs 'integrating' on UDAS mimic) [4] SHUTTER [CLOSE]
	[1] expose_allN <time> 'target' (expose_allB)	[2] PN.S EXPOSE [Expose] <time> [3] Ha EXPOSE [Expose] <time>
Arcs (or Continuum Lamps)	**[1]** Mirror Control – Move [Acq/Comp] **[3]** arcs & (or flats &) (or longarcs &) **[5]** Mirror Control – Move [Out]	**[2]** CALIB [Calibrate] **[4]** SHUTTER [CLOSE] (when lamp has gone off) **[6]** MASK [OPEN]
	[1] Mirror Control – Move [Acq/Comp] [3] maskimageHaN (HaB) [5] Mirror Control – Move [Out]	[2] CALIB [Calibrate] & Ha SHUTTER [OPEN] [4] Ha SHUTTER [CLOSE] & SHUTTER [CLOSE] (when lamp has gone off) [6] MASK [OPEN]
Flux Standards	**[2]** fluxstd <time> 'target'	**[1]** SHUTTER [OPEN] **[3]** SHUTTER [CLOSE]

M3 Filter 1 HaN **M4 Filter 2 HaB**