

SPICE CME Watch

Observation configuration and data rate calculation

Observing mode	Target	Line List	#Line Profiles	#Px /Profile	# Intensities	Slit (")	Exp. time	# Mirror Pos	Step size	Tilt time	FOV (")		Data cube (px)		
											X	Y	X	Y	Z
= study			(max=32)			2/4 /6 /30	(s)	=#exposures	(arcsecs)	(secs)	X	Y	X	Y	Z
CME Watch	AR, prominence, limb	5 spectral profiles, 10 intensities	5	32	10	4	30	90	4	0.14	360	840	90	800	180
													scan direction	along slit	spectral dimension

Spectral-line performance

Line-SNR and spatial resolution combinations:

line-SNR >10 at 4"x2" in C-III, O-VI, Ne-VIII and at 4"x4" in Mg-IX (in ARs)