

# 2017 Solar Eclipse Observation

PLACE: Wyoming, Elkhart Park Trailhead, an entry point to the Wind River

Time	Temperature (F)	Observations
7:00 AM	44	
8:20 AM	44	Mostly cloudy
9:20 AM	58	Cloud cover diminishing, ~25%, consisting of Cumulus and Sirius cloud
10:00 AM	62	~15% cloud cover, high sirus only; breezy
10:10 AM	63	No Clouds!, breezy
10:15 AM	64	Usual noises from birds and squirrels
10:17 AM		Start of Eclipse
10:30 AM	65	
10:40 AM	65	
10:53 AM	64,5	
11:03 AM	64	~50% of Sun covered by Moon; Birds and squirrels quieter but making
11:13 AM	63	~70% OF Sun covered by Moon; Illumination around us less intense
11:20 AM	61	Feeling distinctly cooler--like when a heavy cloud blocks the sun
11:25 AM		~85-90% coverage; birds quieting
11:30 AM	60	
11:35 AM	58	Light very dim, yellow-brown wavelengths seem to predominate
11:37:05		<b>TOTALITY BEGINS;</b>
11:38 AM	55	Wind is still; birds and squirrels are silent; there are no shadows cast
		Can see the Corona using naked eyes (no light detected through Solar
		Corona has regions of varying intensity--solar flame areas?
11:38:21		<b>TOTALITY ENDS;</b>
		At the moment the sun reappeared shadows appeared AND a "light
11:45 AM	55,5	Birds are chirping in their early morning communication
12:00 PM	59	
12:06 PM		Bright sunlight detectably returning
12:10 PM	62	~45% of Sun returned: squirrel dropped a pine cone on my head as I
12:15 PM	65	
12:20 PM	68	~65% Sun surface back
12:30 PM	70	~75% Sun surface back
1:02 PM		Eclipse ends--had to leave before this so data collection terminated



Maximum eclipse (MAX) :	2017/08/21	17:37:43.8	+51.5°	136.2°	019°	10.3	
End of total eclipse (C3) :	2017/08/21	17:38:21.8	+51.6°	136.5°	231°	03.3	+0.2s
End of partial eclipse (C4) :	2017/08/21	19:02:40.0	+58.5°	170.9°	110°	08.1	



as judged by reflection of light from mica in gravel

ar filter lenses) AWESOME to be able to see the corona

stood under the tree getting the temperature LOL



