

Sacramento Zenith angles Sp2020, ASTR3601. Latitude = 38.58°, longitude = -121.49°

Using [sun position calculator](https://www.sunearthtools.com/dp/tools/pos_sun.php#top),

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Date	Minimum Zenith angle, Z2 degrees
10/30/20	52.75
10/31/20	53.02
11/01/20	53.38
11/06/20	54.88