

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),
https://www.sunearthtools.com/dp/tools/pos_sun.php#top

Times in this calculator are DST

Date	Time	elevation(deg)	Zenith angle(deg)
03/05/20	01:15:00 PM	45.7	44.3
03/06/20	01:15:00 PM	46.09	43.91
03/08/20	01:15:00 PM	46.87	43.13

True north-south distance between Sacramento and Los Angels = 500km