## Sentinel-1A/B Line of Sight Velocity Map of California



LOS velocity from 2 years of Sentinel-1 TOPSmode SAR data. Five tracks (~20 bursts and 27-44 repeats) were used form 545 interferograms following the method of Xu et al. [2017]. Common point stacking was used to mitigate atmospheric artifacts [Tymofyeyeva and Fialko, 2015] and coherence-based SBAS [Tong and Schmidt, 2016] was used to form the time series. Large spatial scales (> 45 km) were adjusted to match the GPS data in the ITRF.

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## Subsidence in Central California during the 2014 -2016 drought. Maximum vertical subsidence rate exceeds 400 mm/yr.

- -50
- -100
- -150
- -200 -250
- -300