Resolving 3D coseismic deformation of the 2019 Mw. 7.1 Ridgecrest earthquake using radar and optical data

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METHODOLOGY

Interferometry

Sentinel-1

Offset Tracking

Sentinel-2

Offset Tracking
**METHODOLOGY**

**Products Combinations**

1. Sentinel-1
   - Interferometry
   - Offset Tracking

2. Sentinel-1
   - Interferometry
   - Offset Tracking
   - Sentinel-2
   - Offset Tracking

3. Sentinel-1
   - Interferometry
   - Offset Tracking
   - Sentinel-2
   - Offset Tracking

**Least Square Adjustment**

- No weights
- Weights from far field
- Weights from semi-variogram
RESULTS

No weights

Weights from far field

Weights from semi-variogram