Seasonal active landsliding and hillslope activity in the southern Central Andes of NW Argentina

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Sentinel-1 ascending (track 76)

- Oct 2014 to May 2019
- 225 interferograms
- azimuth looks: 3 (~45m)
- range looks: 9 (~30m)
Sentinel-1 descending (track 10)

- Oct 2014 to May 2019
- 252 interferograms
- azimuth looks: 3 (~45m)
- range looks: 9 (~30m)
Sentinel-1 ascending (track 76) – mean LOS velocity
Sentinel-1 descending (track 10) - mean LOS velocity
Sketch with the geometry of ascending and descending InSAR geometries with unit vectors (red) $u^a$ and (blue) $u^d$, radar incidence angles $\vartheta^a$ and $\vartheta^d$, and angles $\beta^a$ and $\beta^d$ related to ground-track azimuthal angles. The horizontal components of unit vectors $u^a$ and $u^d$ are also depicted (after Catalao et al., 2011 and Vassileva et al., 2017)
Sentinel-1 3D deformation field – Quebrada de Escoipe
Sentinel-1 3D deformation field from Persistent Scatterer