











TerraSAR-X Stereo DSM Acquisition Parameter

Depending on relief

- Larger disparity angle for flat terrain
- Smaller disparity angle for strong relief
- → Trade off between geometric robustness and layover/shadow effects

Seasonal & land cover effects

- Snow coverage generally reduces matching accuracy due to missing structure
- Agricultural and forest areas: small temporal baseline
- Desert: small temporal baseline; larger disparity angle especially in flat terrain areas
- Areas with snow and ice coverage: spring or autumn; wet snow reduces energy of backscatter signal











