|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Total offsets | Removed offsets | Remaining offsets | % filtered offsets | Mean velocity of remaining offsets (m/day) | Standard deviation |
| Angle 12 | 335 | 128 | 207 | 38.21 | 0.26 | 0.11 |
| Angle 18 | 335 | 99 | 236 | 29.55 | 0.26 | 0.11 |
| Angle 24 | 335 | 82 | 253 | 24.48 | 0.26 | 0.11 |
| Angle 30 | 335 | 68 | 267 | 20.30 | 0.26 | 0.12 |

**Table S3.** Summary of the offset filtering process by displacement angles. Note that, when the absolute difference between the individual velocity point and the median velocity of the moving window was less than three times the standard deviation, the offset was also removed (Lüttig et al. 2017).