Table Location, length and obliquity of extensometers in Turkey (\*not telemetered)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **sensor** | **Latitude**  | **Longitude** | **length** | **obliquity** |
| ~~Izmit~~ | ~~#19~~  | ~~40.7211°N~~  | ~~29.9465°E~~ | ~~21.0 m~~  | ~~28°~~ |
| Seller\* | #16 | 40.7209°N | 29.9720°E | 16.0 m | 30° |
| Tepetarla | #17 | 40.7210°N | 30.0784E | 18.1m | 38° |
| Hamamli | #25 | 40.8729°N  | 32.6603°E | 13 m | 30° |
| Petrol | #32 | 40.8657°N  | 32.5976°E | 14 m | 30° |
| Sazlik W | # | 40.8692°N  | 32.6194°E | 30 m | 28° |
| Sazlik E | #18  | 40.8697°N  | 32.6209°E | 25.5 m | 28° |
| Wall south | # | 40.8697°N  | 32.6258°E | 20 m | 33° |
| Wall north | LVDT | 40.8698°N  | 32.6258°E | 16.5 m | 33° |
| Cherry\* | #15 | 40.8701°N  | 32.6285°E | 14 m | 35° |
| Cerkes\* | # | 40.8947°N  | 32.7773°E | 20 m | 29° |
| Palu North\* | #23 | 38.6990°N  | 39.9537°E | 8.0 m | 30° |
| Palu South\*  | #24 | 38.6990°N  | 39.9537°E | 15.0 m | 30° |
|  |  |  |  |  |  |

Notes

Data are not uniformly spaced. Some are minute samples, some one minute, some five minutes, some ten minutes and some 30 minutes. Each data point is assigned a GMT time MM/DD/YYYY hh:mm:ss.

Some data are compiled from telemetry, some from local data loggers. ie for telemetered sites the data are duplicated by a local data logger. They can be distinguished because the local data loggers have an arbitrary second value (00:00:34,00:01:34 etc but the telemetered data are all acquired precisely on the minute (00:00:00,00:01:00 etc) sync'ed to GMT.

Clock accuracy is a few seconds for telemetered data but ±1 minute for autonomous data. More precise clock corrections are available on request.

North Wall (the original Ismetpasa site) data are converted to dextral slip.

All other files are extension (displacement in mm) and require multiplying by 1/cos(obliquity). The obliquity is given in Table 1.

Gaps in data exist but with one exception the offsets are constrained by measurements. The exception is Cherry where the sensor was flooded Jul/ Oct2018.

The starting values of all the data is arbitrary. Temperature data are omitted from all the files.

 

Figure illustrates all Ismetpasa array creep data up to October 2019.