.Optris files (GPS files from Optris TIR camera)

All comma separated values.

|  |  |
| --- | --- |
| **Value** | **Field name** |
| 1 | Time in UTC (HHMMSS.SS) |
| 2 | Status: V=invalid data; A=valid data |
| 3 | Latitude (ddmm.mmmm); d=degrees; m=minutes |
| 4 | North or South |
| 5 | Longitude (dddmm.mmmm) |
| 6 | East or West |
| 7 | Speed over ground (knots) |
| 8 | ‘Track made good’ (degrees true) |
| 9 | Date (ddmmyy) |
| 10 | Magnetic Variation (deg) |
| 11 | East or West |
| 12 | FAA mode indicator (D=differential) |
| 13 | Checksum |

Example coordinate formats:

* In Optris file:

4343.30304, S 17226.73182, E

|  |  |
| --- | --- |
|  |  |

* Formatted as Degrees, Minutes:

43°43.30304'S 172°26.73182'E

* In Degrees, Minutes, Seconds:

43°43'18.2"S 172°26'43.9"E

* In Decimal Degrees:

## -43.721717, 172.445530

Fields to go into CSV output file:

1. Filename (should just stay the same as the .Optris file, which should match the corresponding tiff file). Needs to have .tif added to filename.
2. Latitude (e.g. -43.3935689)
3. Longitude (e.g. 172.2937827)
4. Altitude (put all as 304.8). (These are metres.)

All GPS data can go into ONE CSV file.

Import CSV window from Agisoft:

