**Table S1. Models explaining the location error (LE) of low-cost, lightweight GPS data loggers tested in stationary conditions (n = 24) with different antenna positions and fix intervals.**

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| --- | --- | --- | --- | --- | --- | --- |
| **Rank** | **Model description** | **K** | **LL** | **AIC** | **∆AIC** | ***ωi*** |
| 1 | fAntenna + fFix + fAntenna: fFix | 8 | - 4477.8 | 10013.4 | 0.00 | 0.96 |
| 2 | fAntenna + fFix | 6 | - 5004.0 | 10020.0 | 6.59 | 0.04 |
| 3 | fAntenna | 4 | - 5009.6 | 10027.1 | 13.73 | 0.00 |
| 4 | Null | 3 | - 5032.5 | 10071.1 | 57.68 | 0.00 |
| 5 | fFix | 5 | - 5031.8 | 10073.7 | 60.34 | 0.00 |