Table S2. Filter Initial Parameter Configuration

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| Stage | Filter Parameter | Parametric Value |
| 1 | Initial position  |  |
| 2 | Initial velocity  |  |
| 3 | Initial attitude information (pitch, yaw, roll) |  |
| 4 | Initial state vector  |  |
| 5 | Initial associated variance |  |
| 6 | Initial value of process noise Covariance  |  |
| 7 | Initial value of measurement noise covariance  |  |