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 |  | |