XTraVel Track Velocity

XTraVel is a filter/smoother developed by **becker-aero** for jumping MLAT position reports.

Features:

▸ **Receives ASTERIX CAT020 MLAT data and forwards filtered and augmented CAT020 data**

▸ **Adds Track Velocity in local Cartesian coordinates to output reports**

▸ **Configurable outlier detection and suppression**

▸ **Supports UDP unicast (input and output) and multicast (output)**

▸ **Sophisticated state-of-the-art filtering algorithm**

▸ **Supports extrapolation**

▸ **Supports ASTERIX CAT020 editions 1.5-1.9**

▸ **Low CPU consumption, runs as daemon**

Configuration

▸ Highly configurable

▸ Multiple output clients possible

▸ Outlier handling: supports ignoring, suppressing, unchanged output or extrapolated output

▸ Configurable weighting and noise contribution