Legend

1. Pitch Angle
2. Roll Angle
3. Altitude
4. Elevator positon
5. Elevator speed
6. Aileron position
7. Aileron speed
8. Blob Visible
9. Blob Distance
10. Blob Horizontal
11. Blob Vertical
12. Output throttle
13. Output elevator
14. Output aileron
15. Output rudder
16. Time-minutes
17. Time-seconds
18. Time-miliseconds

Details

Position

Elevator and aileron positions are integrated from speeds. Each MAV has its own origin, which could drift because of noisy speed measurement.

Blob

Blob Distance, Blob Horizontal and Blob Vertical values can be trusted only when Blob Visible equals one.

Blob Distance is relative distance between MAVs. Blob Horizontal is horizontal deflection between MAVs. Values are positive, when the first drone is on right side and negative, when it is on left side. Blob Vertical is vertical deflection between MAVs. Values are positive, when first MAV is lower than second MAV and negative, when first MAV is higher than second MAV.

Outputs

Outputs are values for PPM input to *Flight-ctrl v2.1 Me* stabilization board devided by two.

Time

Time is measured on every MAV. Time measurement starts, when MAV is turned on.