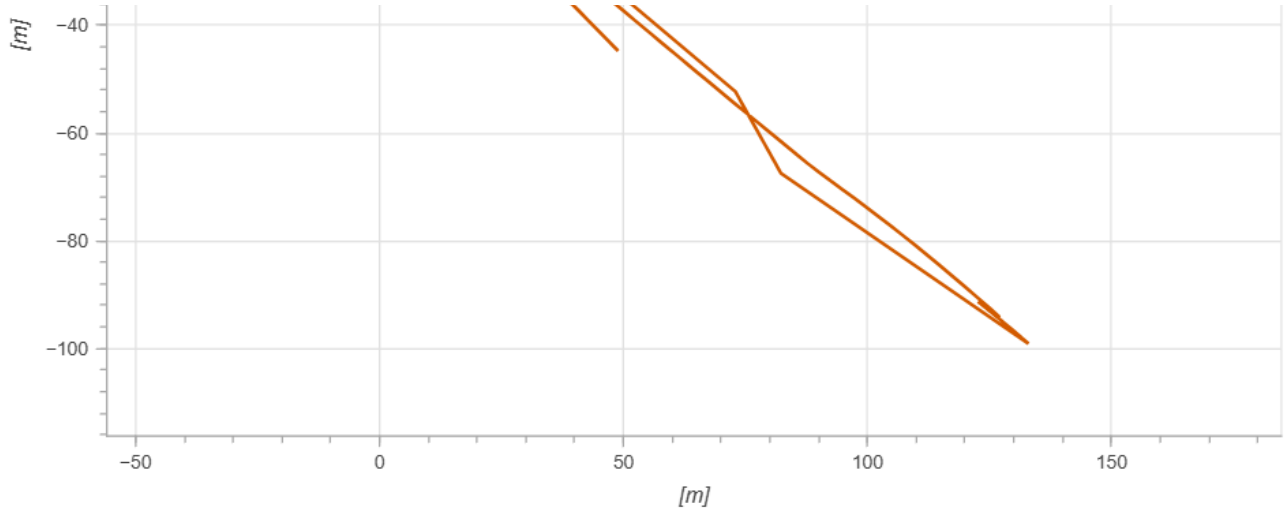
Do you need help with interpreting the plots? See here.

PX4 Quadrotor

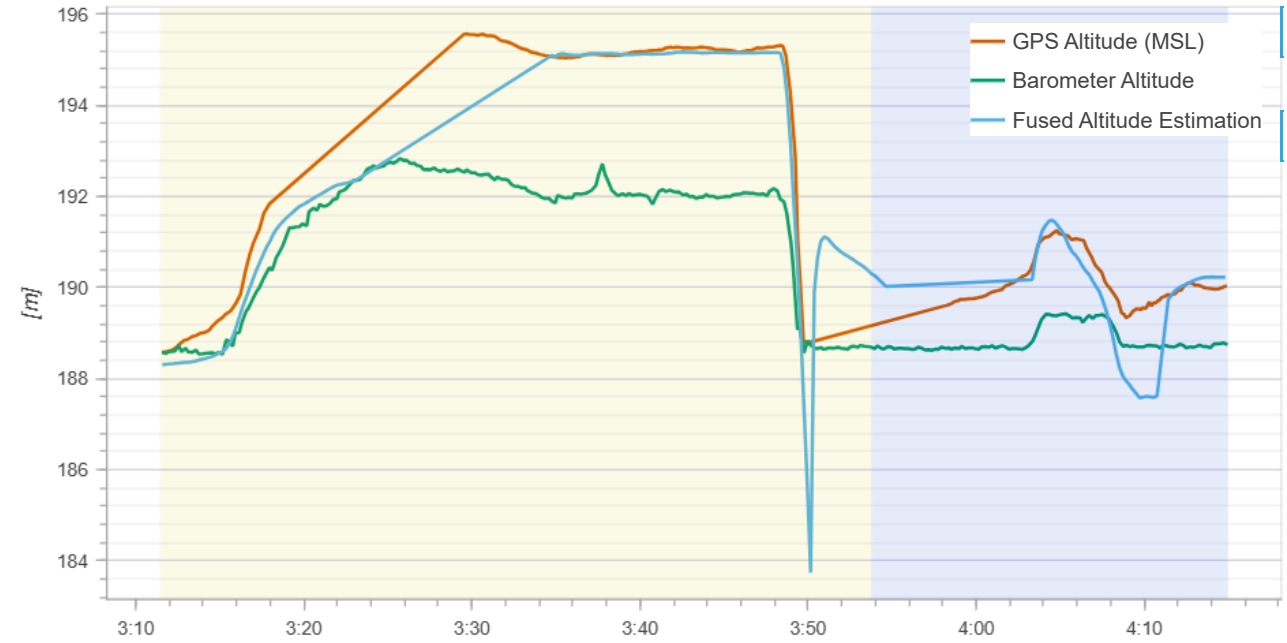
Open 3D View | Open PID Analysis

Airframe:	Generic Quadcopter Quadrotor x (4001)	Distance:	148.3 m
Hardware:	MICOAIR_H743_V2	Max Altitude Difference:	237 m
Software Version:	v1.15.4 (99c40407) branch: micoair-1.15.4	Average Speed:	12.7 km/h
OS Version:	NuttX, v11.0.0	Max Speed:	70.4 km/h
Estimator:	EKF2	Max Speed Horizontal:	70.2 km/h
Logging Start ?:	11-03-2026 11:52	Max Speed Up:	3.6 km/h
Logging Duration:	0:01:03	Max Speed Down:	36.8 km/h
Vehicle Life Flight Time:	7 minutes 43 seconds	Max Tilt Angle:	168.4 deg
Vehicle UUID:	0006000000003539383133335117004d0026		

Select Some Options

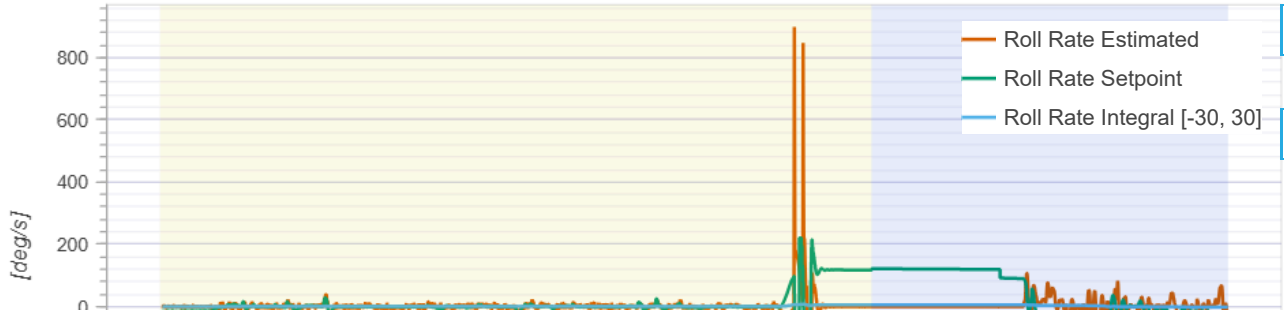


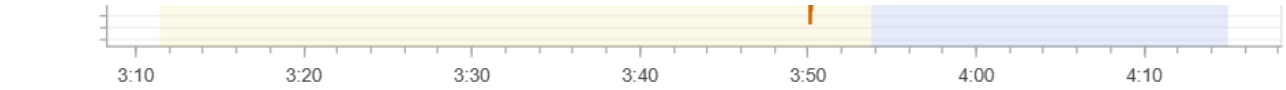
Altitude Estimate



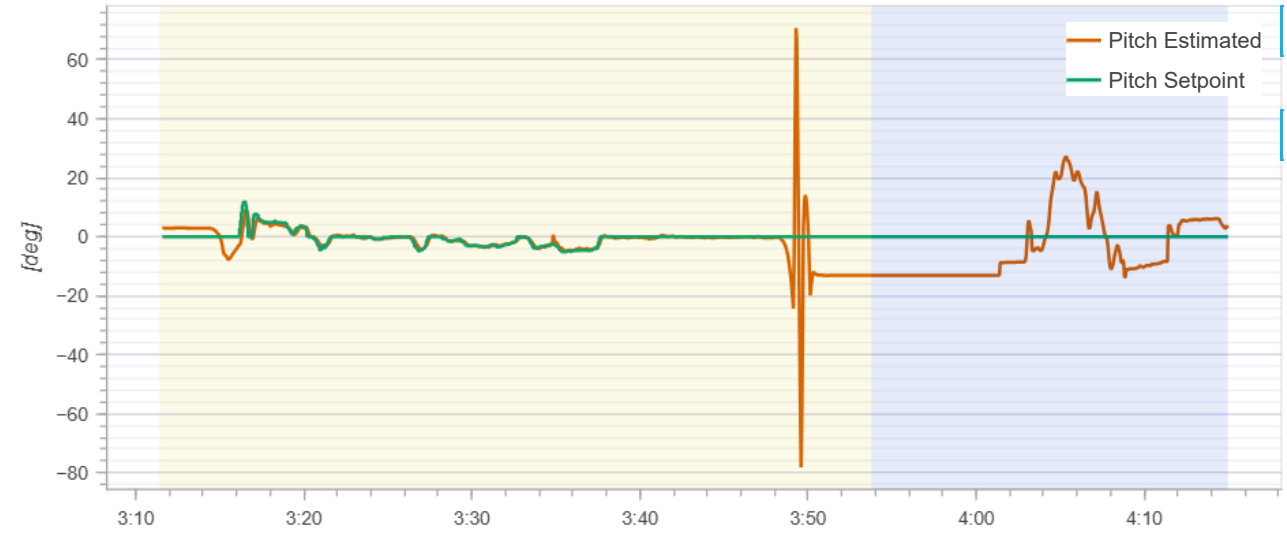
Roll Angle

Roll Angular Rate

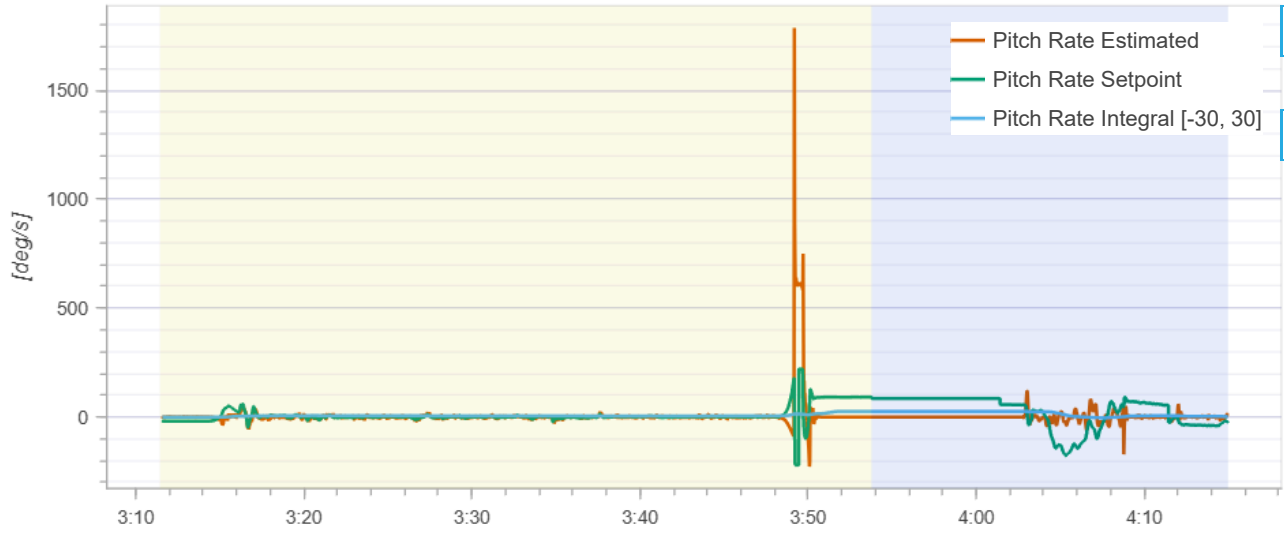




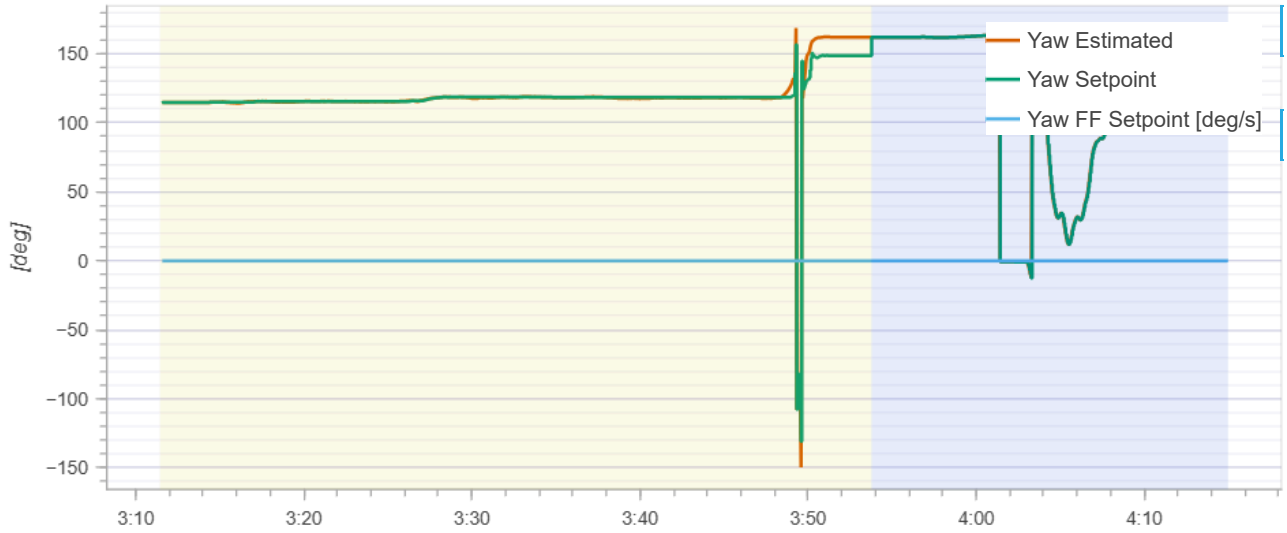
Pitch Angle



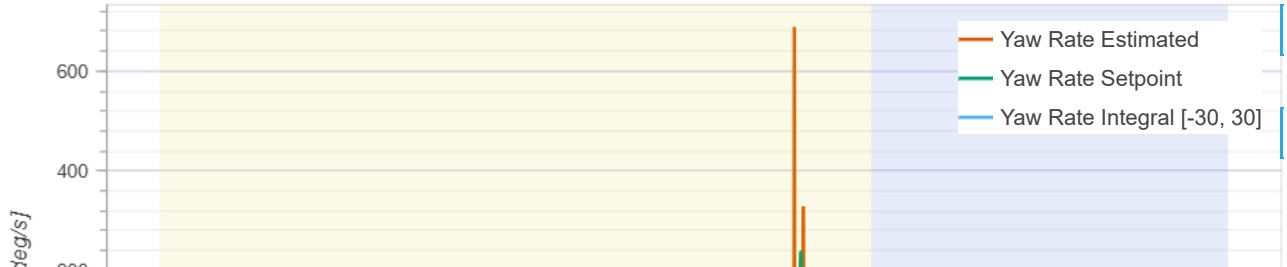
Pitch Angular Rate

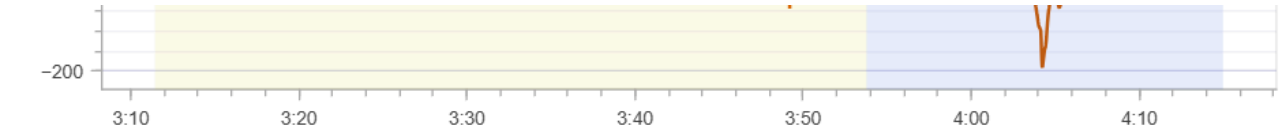


Yaw Angle

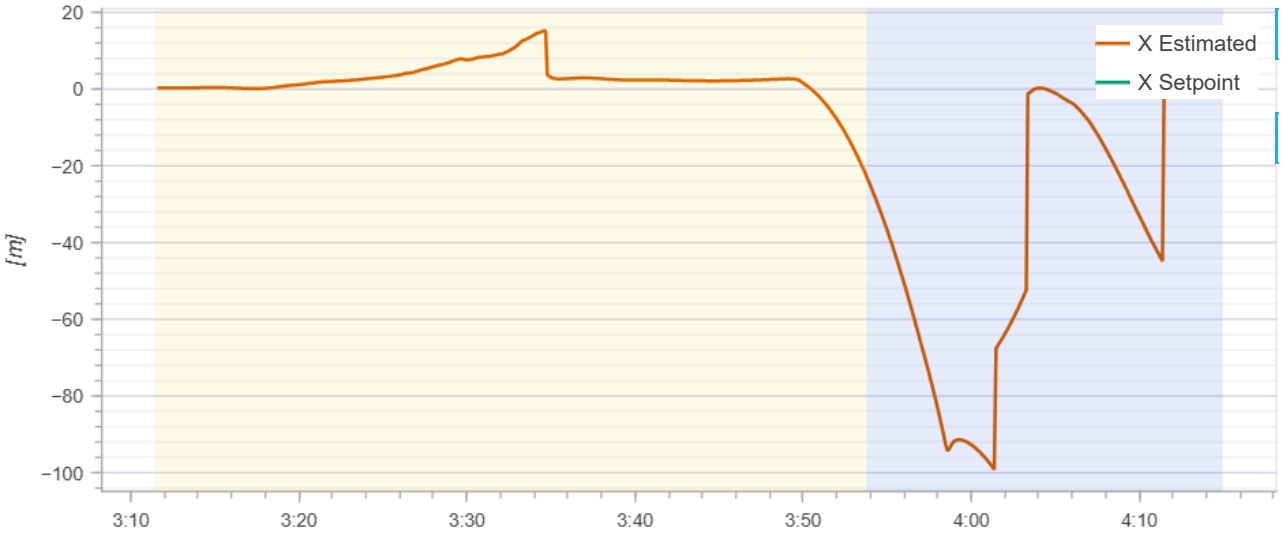


Yaw Angular Rate

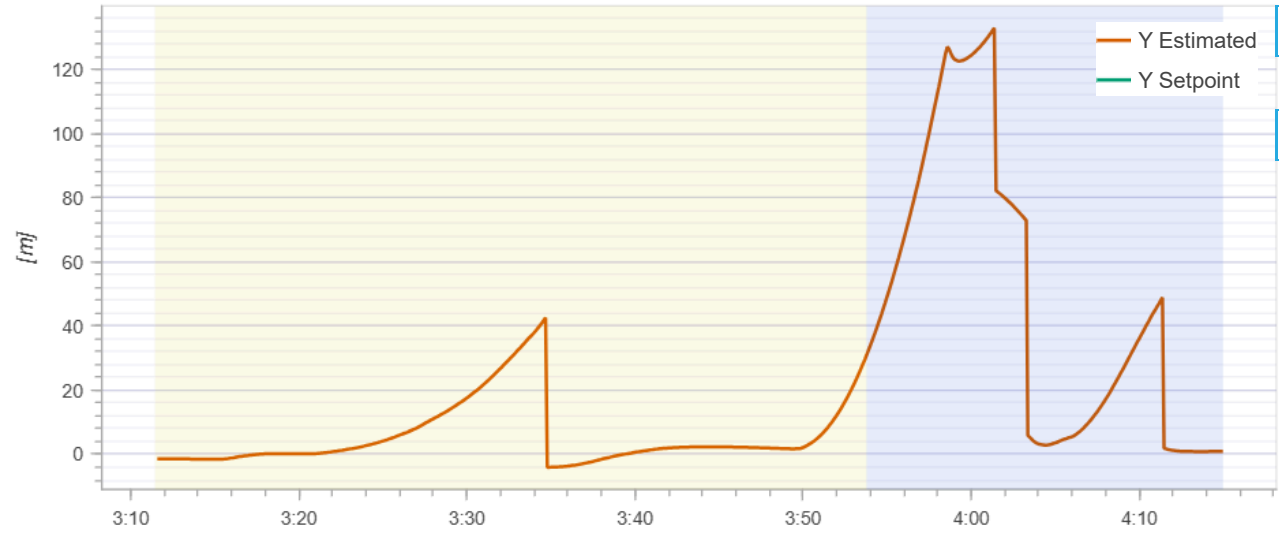




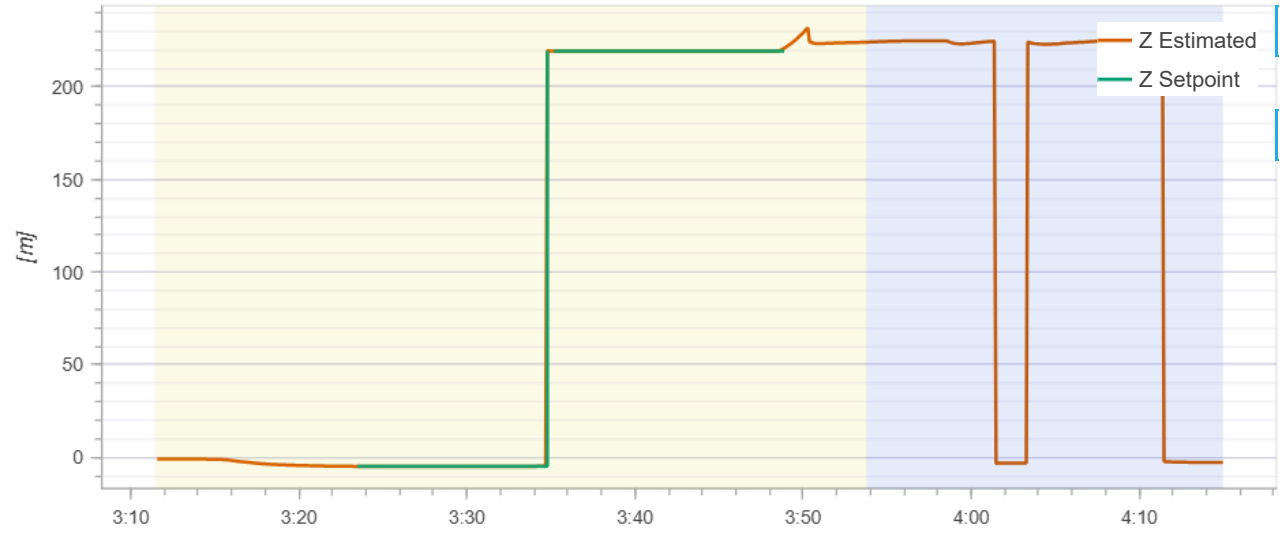
Local Position X



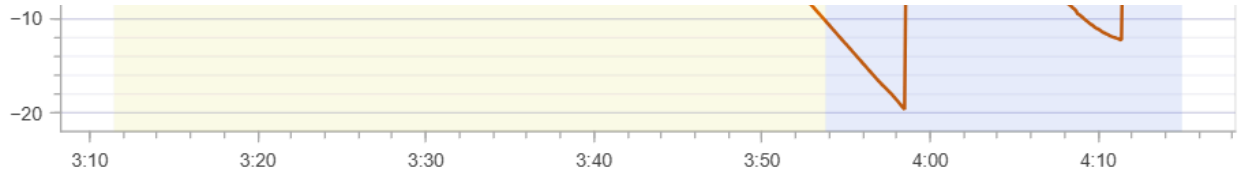
Local Position Y



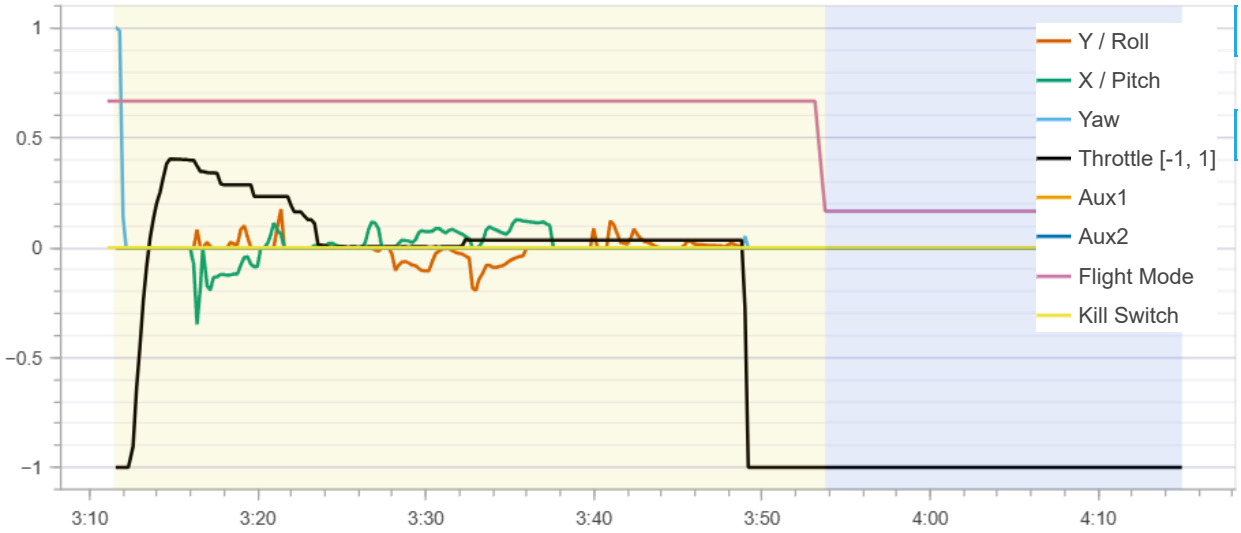
Local Position Z



Velocity

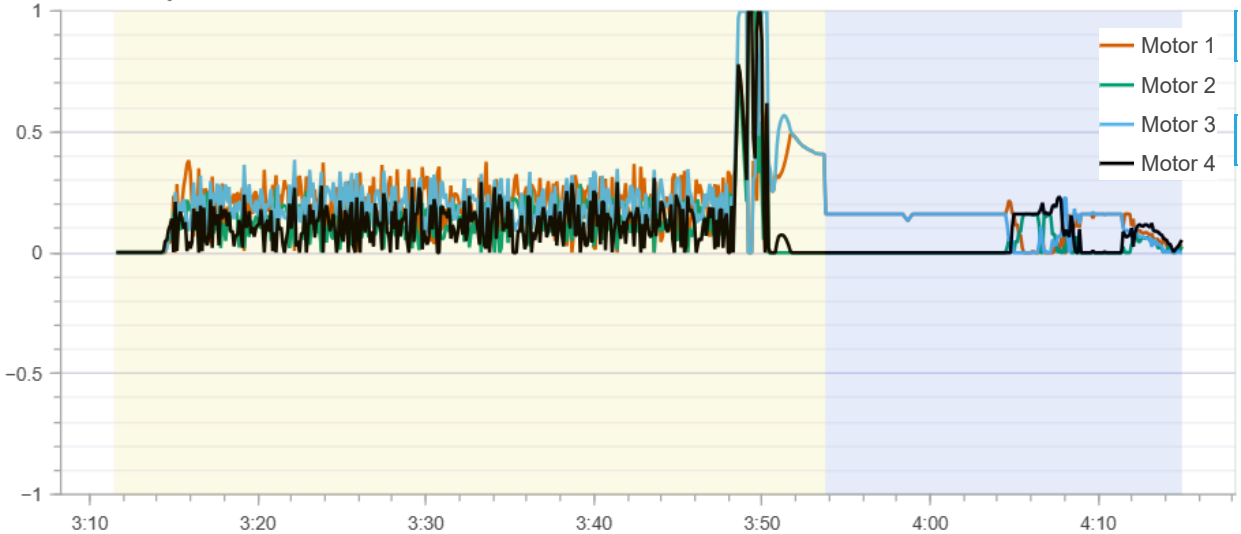


Manual Control Inputs (Radio or Joystick)

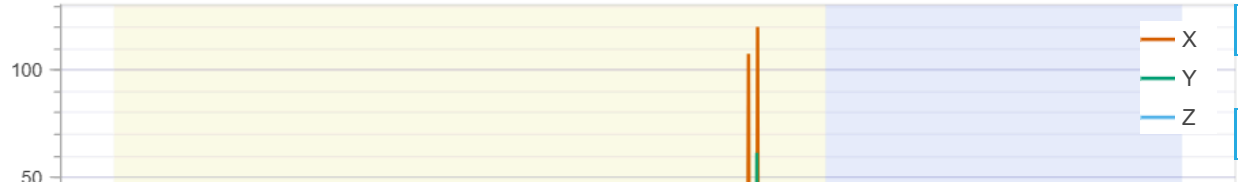


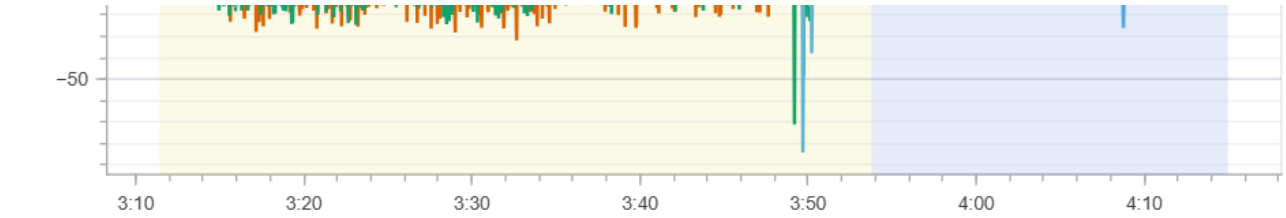
Actuator Controls

Motor Outputs

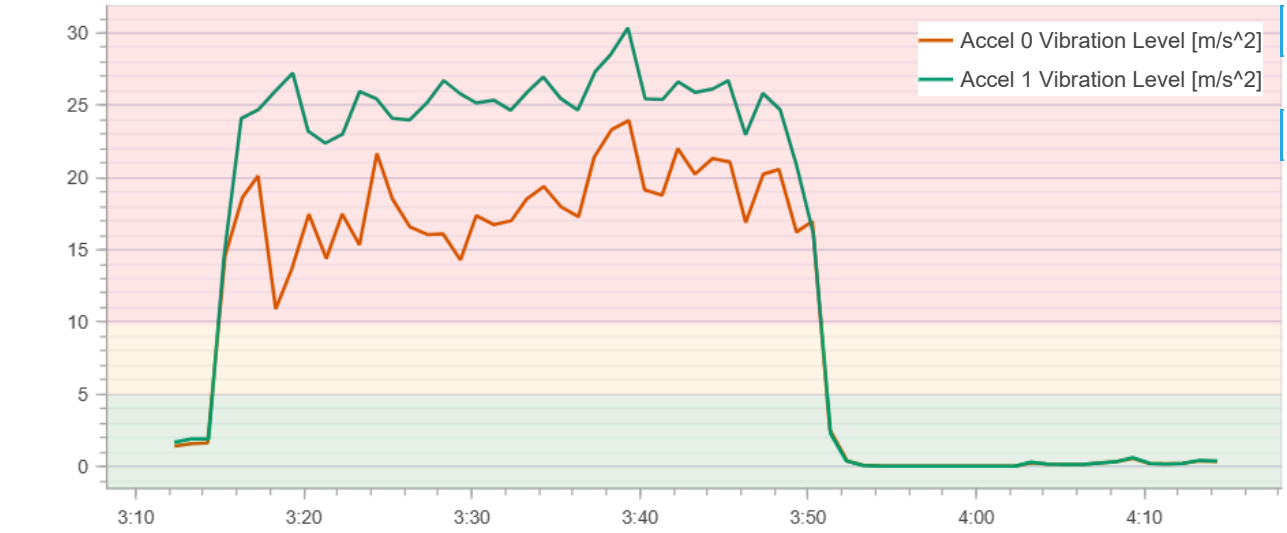


Raw Acceleration

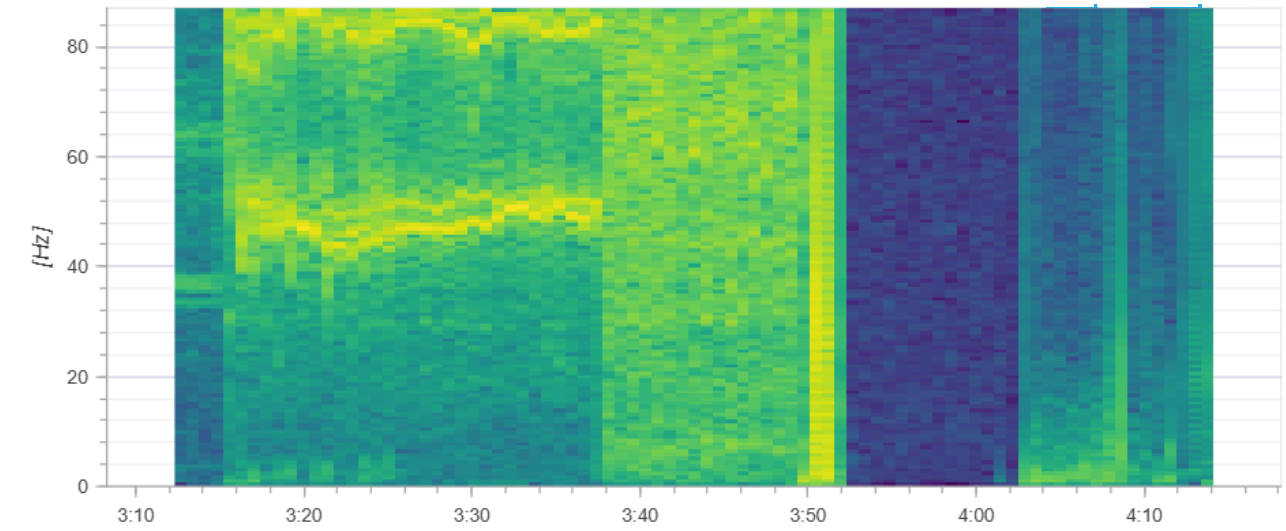




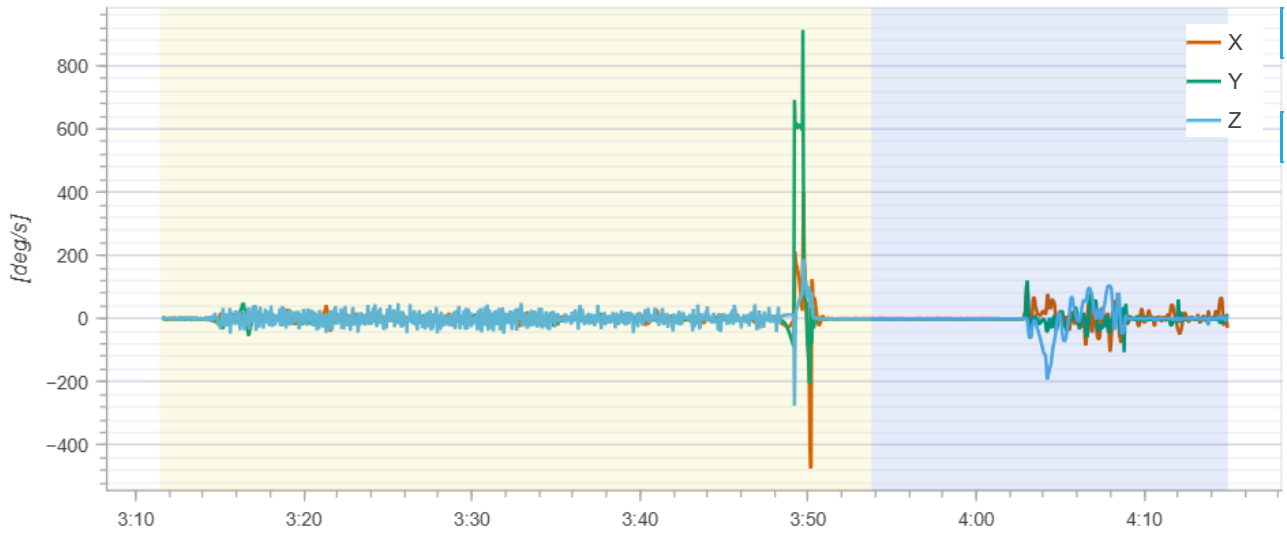
Vibration Metrics



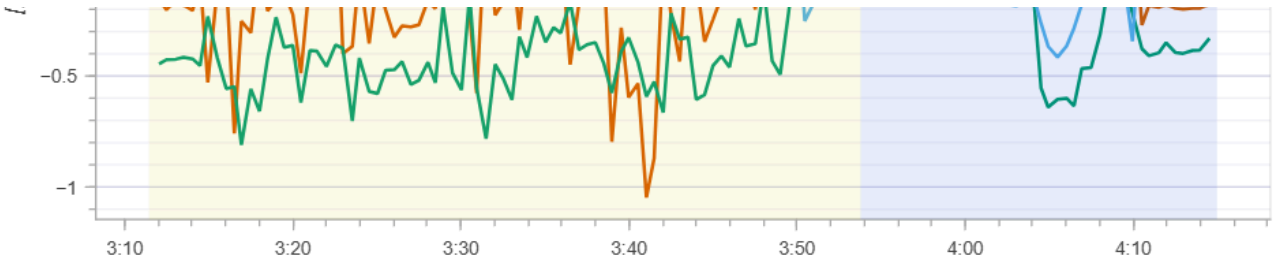
Acceleration Power Spectral Density



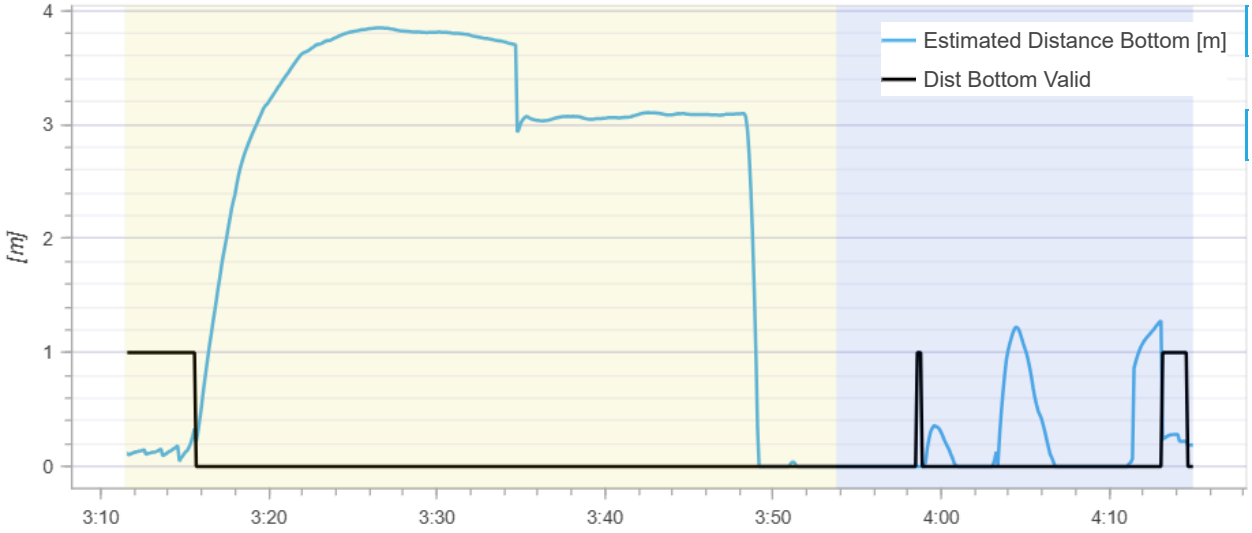
Raw Angular Speed (Gyroscope)



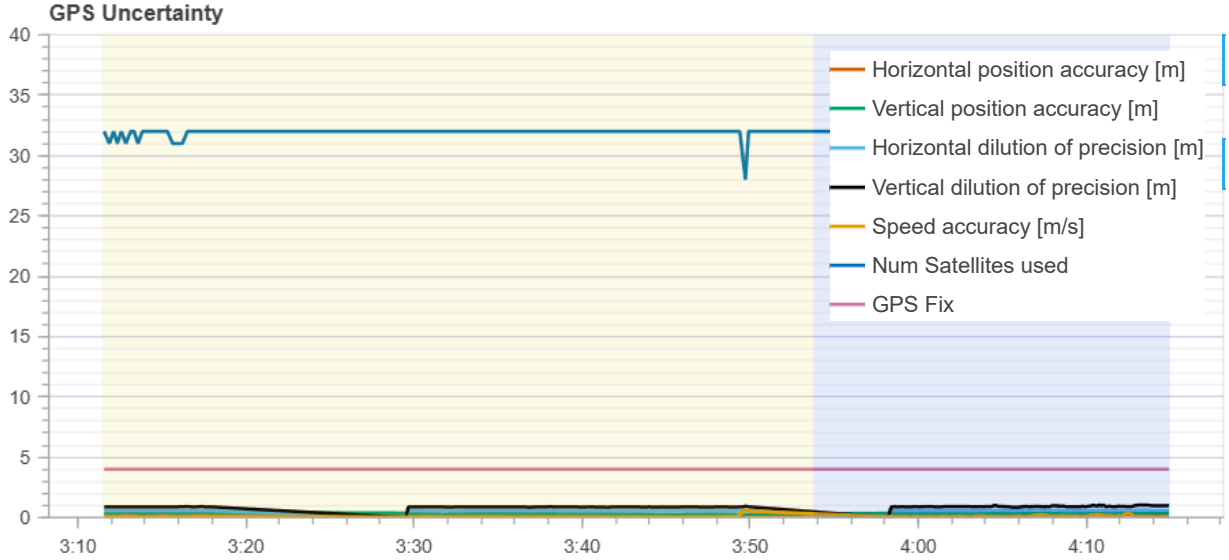
Raw Magnetic Field Strength



Distance Sensor

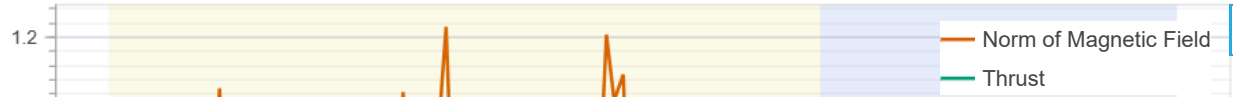


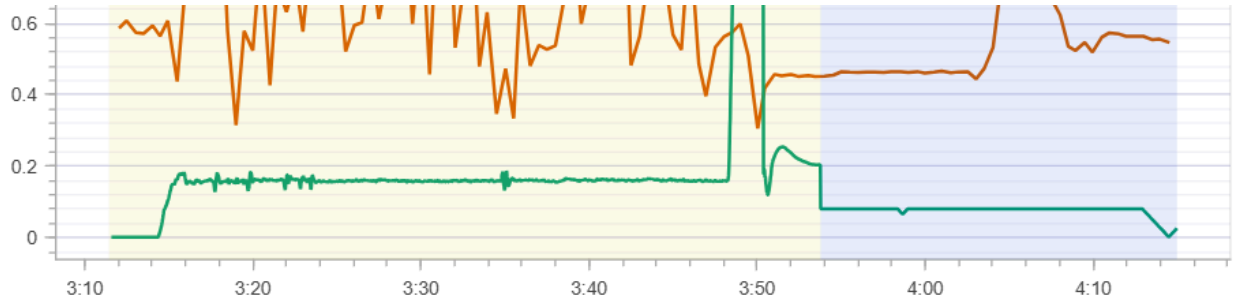
GPS Uncertainty



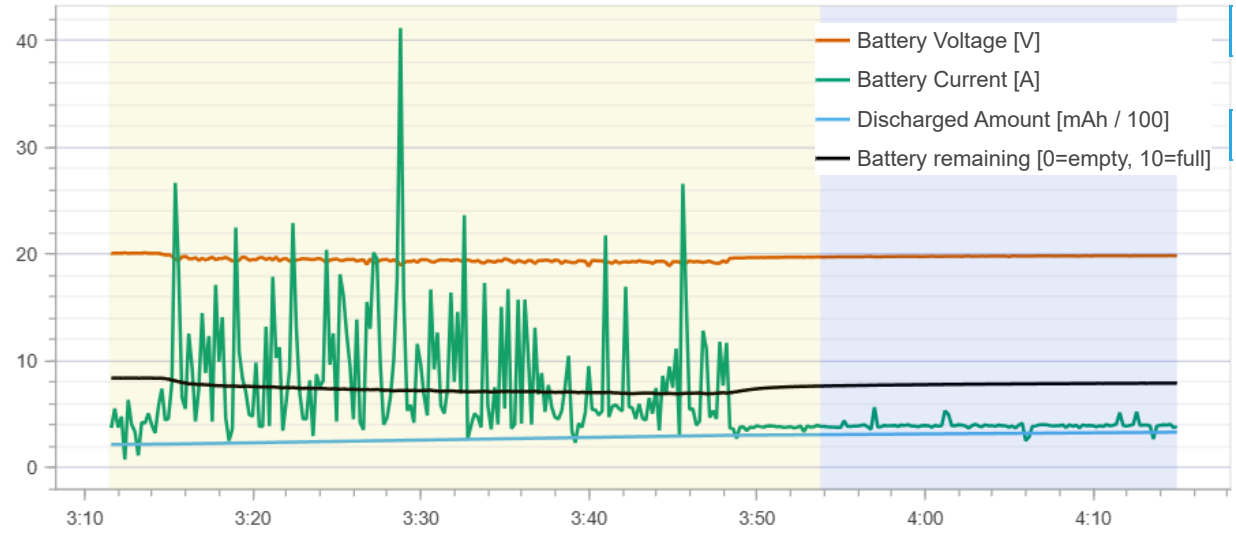
GPS Noise & Jamming

Thrust and Magnetic Field

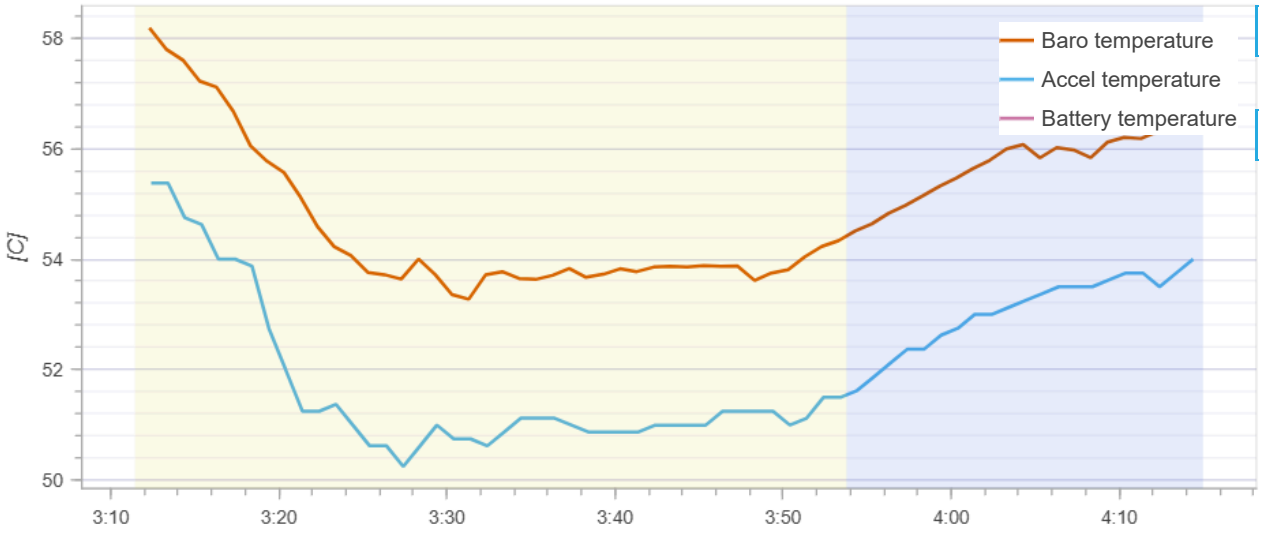




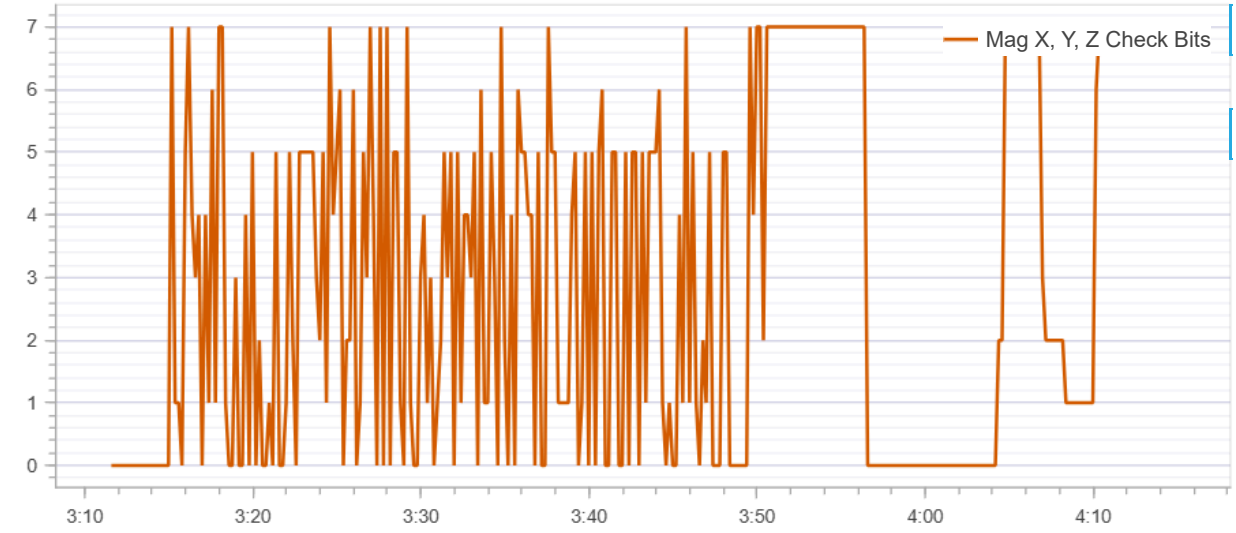
Power



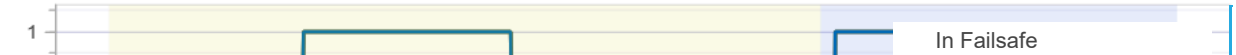
Temperature

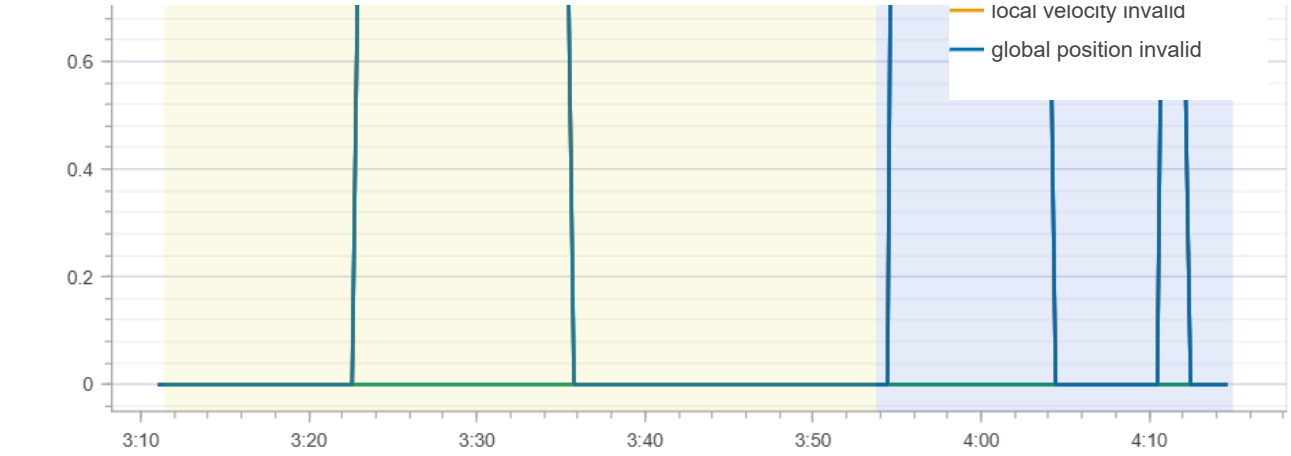


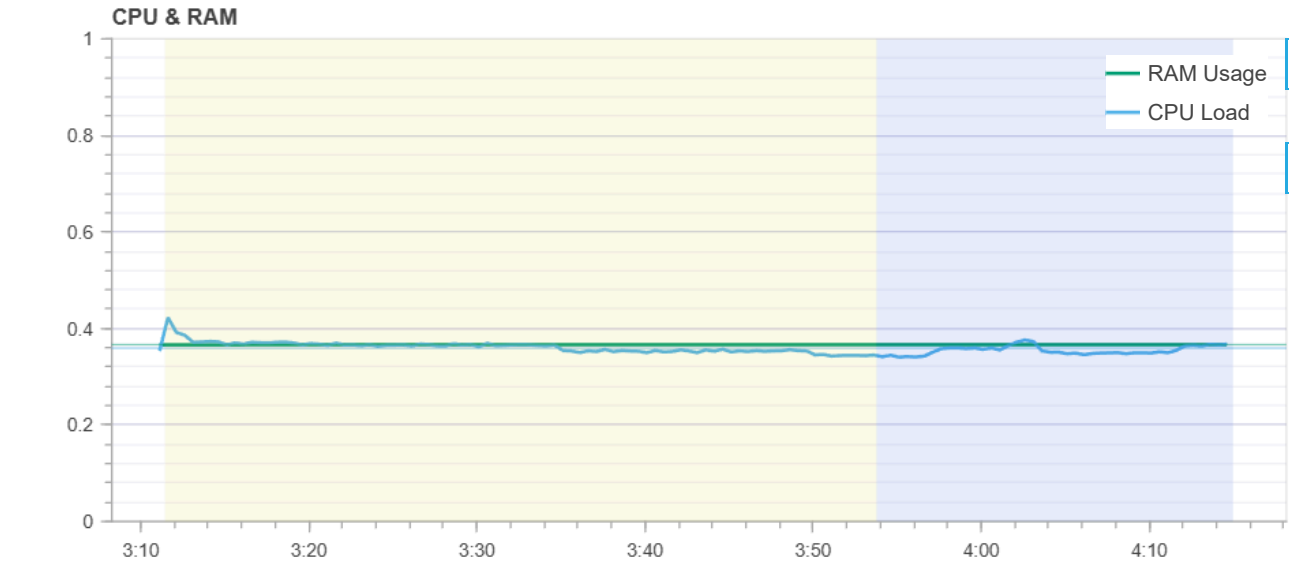
Estimator Flags

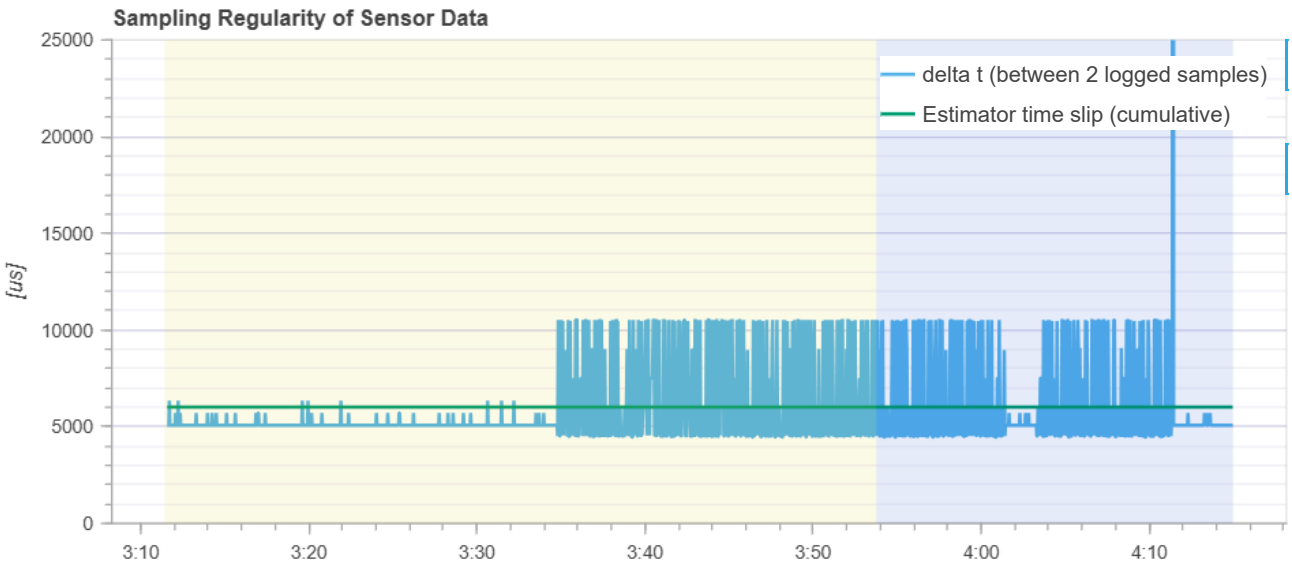


Failsafe Flags









Non-default Parameters (except RC and sensor calibration)

#	Name	Value	Frame Default	Min	Max	Description
0	BAT1_A_PER_V	40	40			(unknown)
1	BAT1_I_CHANNEL	-1	-1			(unknown)
2	BAT1_N_CELLS	5	4			Number of cells for battery 1
3	BAT1_V_CHANNEL	-1	-1			(unknown)
4	BAT1_V_CHARGED	4.2	4.2			Full cell voltage
5	BAT1_V_DIV	21.1200008392334	21.120000839			(unknown)
6	BAT1_V_EMPTY	3.2	3.2			Empty cell voltage
7	BAT1_V_LOAD_DROP	0.10000000149011…	0.1000000014			(unknown)
8	BATMON_DRIVER_EN	0				(unknown)

#	Time	Level	Message
0	0:03:11	INFO	Armed by RC
1	0:03:11	INFO	[logger] Start file log (type: full)
2	0:03:11	INFO	logging: opening log file 2026-3-11/6_22_0.ulg
3	0:03:11	INFO	[logger] Opened full log file: /fs/microsd/log/2026-03-11/06_22_00.ulg
4	0:03:15	INFO	Takeoff detected
5	0:03:24	INFO	GNSS data fusion stopped
6	0:03:28	INFO	[gps] u-blox firmware version: SPG 5.10
7	0:03:28	INFO	[gps] u-blox protocol version: 34.10
8	0:03:29	INFO	[gps] u-blox firmware version: SPG 5.10
9	0:03:29	INFO	[gps] u-blox protocol version: 34.10

Show additional Data

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