



ArduPilot Hardware Report

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Firmware

ArduCopter V4.4.0 (502702df)
ChibiOS: 1ec9f168
Official release:
[Copter-4.4.0](#)

Flight Controller

CubeOrange 00380022 34305106 35383431

Board ID: 140 CUBEORANGE

IOMCU

Status read errors: 0
Flight Controller errors: 0
IOMCU errors: 0
Delayed packets: 0

Inertial Sensors

| IMU 1 | IMU 2 | IMU 3 |
|--|--|--|
| ICM20602 via SPI | ICM20948 via SPI | ICM20649 via SPI |
| Use: <input checked="" type="checkbox"/> | Use: <input checked="" type="checkbox"/> | Use: <input checked="" type="checkbox"/> |
| Accel calibration: <input checked="" type="checkbox"/> | Accel calibration: <input checked="" type="checkbox"/> | Accel calibration: <input checked="" type="checkbox"/> |
| Gyro calibration: <input checked="" type="checkbox"/> | Gyro calibration: <input checked="" type="checkbox"/> | Gyro calibration: <input checked="" type="checkbox"/> |
| Accel temperature calibration: <input checked="" type="checkbox"/> | Accel temperature calibration: <input checked="" type="checkbox"/> | Accel temperature calibration: <input checked="" type="checkbox"/> |
| Gyro temperature calibration: <input checked="" type="checkbox"/> | Gyro temperature calibration: <input checked="" type="checkbox"/> | Gyro temperature calibration: <input checked="" type="checkbox"/> |
| Position offset: <input checked="" type="checkbox"/> | Position offset: <input checked="" type="checkbox"/> | Position offset: <input checked="" type="checkbox"/> |
| Accel health: <input checked="" type="checkbox"/> | Accel health: <input checked="" type="checkbox"/> | Accel health: <input checked="" type="checkbox"/> |
| Gyro health: <input checked="" type="checkbox"/> | Gyro health: <input checked="" type="checkbox"/> | Gyro health: <input checked="" type="checkbox"/> |

Compasses

Enabled:

| Compass 1 | Compass 2 |
|--|--|
| DRONECAN bus: 0 node id: 125 sensor: 0 Name: org.ardupilot.mro_m10025 | AK09916 via SPI |
| Use: <input checked="" type="checkbox"/> | Use: <input checked="" type="checkbox"/> |
| External: <input checked="" type="checkbox"/> | External: <input checked="" type="checkbox"/> |
| Calibrated: <input checked="" type="checkbox"/> | Calibrated: <input checked="" type="checkbox"/> |
| Iron calibration: <input checked="" type="checkbox"/> | Iron calibration: <input checked="" type="checkbox"/> |
| Motor calibration: <input checked="" type="checkbox"/> | Motor calibration: <input checked="" type="checkbox"/> |
| Health: <input checked="" type="checkbox"/> | Health: <input checked="" type="checkbox"/> |

Barometers

Primary: 1

| Barometer 1 | Barometer 2 | Barometer 3 |
|---|--|--|
| DRONECAN bus: 0 node id: 125 sensor: -1 Name: org.ardupilot.mro_m10025 | MS5611 via SPI | MS5611 via SPI |
| Wind compensation: <input checked="" type="checkbox"/> | Wind compensation: <input checked="" type="checkbox"/> | Wind compensation: <input checked="" type="checkbox"/> |
| Health: <input checked="" type="checkbox"/> | Health: <input checked="" type="checkbox"/> | Health: <input checked="" type="checkbox"/> |

DroneCAN devices

Node id 125
 Name: org.ardupilot.mro_m10025
 Firmware version: 1.3

Download Parameters

Minimal Configuration

Configuration parameters excluding calibrations, flight modes, etc. You may select certain of these to be included with the check boxes below. For sharing and comparing similar vehicle configurations.

Basic Configuration Parameters

All Changed from defaults

| | | |
|---|---|--|
| Inertial Sensors <input type="checkbox"/> Gyro <input type="checkbox"/> Accel <input type="checkbox"/> Use <input type="checkbox"/> Position | Compass <input type="checkbox"/> Calibration <input type="checkbox"/> Ordering <input type="checkbox"/> IDs <input type="checkbox"/> Use <input type="checkbox"/> Declination | Barometer <input type="checkbox"/> Calibration <input type="checkbox"/> IDs <input type="checkbox"/> Wind compensation |
| Airspeed <input type="checkbox"/> Type <input type="checkbox"/> Calibration <input type="checkbox"/> Use | AHRS <input type="checkbox"/> Trim <input type="checkbox"/> Orientation | RC <input type="checkbox"/> Calibration <input type="checkbox"/> Reversals <input type="checkbox"/> Dead zone <input type="checkbox"/> Options <input type="checkbox"/> Flight modes |

Stream rates

SR 0, SR 1, SR 2, SR 3, SR 4, SR 5, SR 6

Parameters Changed During Logging

▶ MOT_THST_HOVER

Download Waypoints

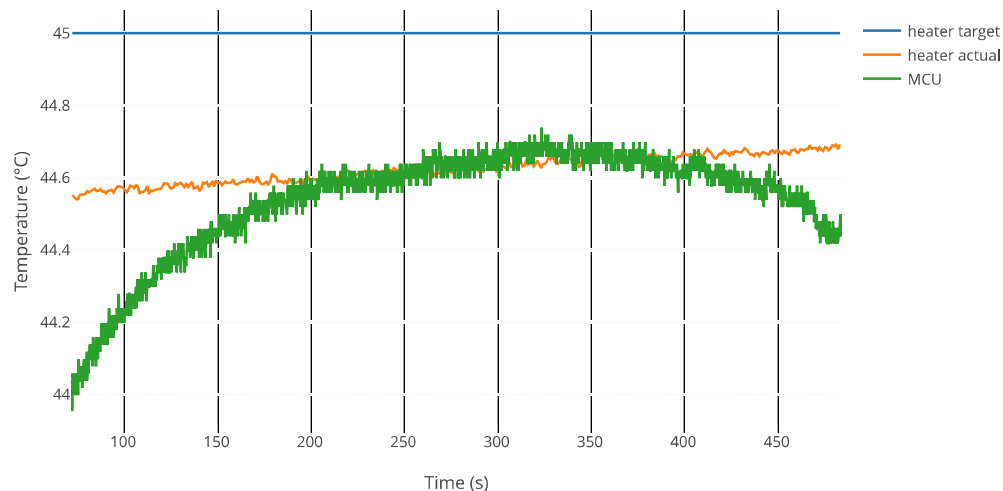
Mission

[waypoints_0.txt](#)

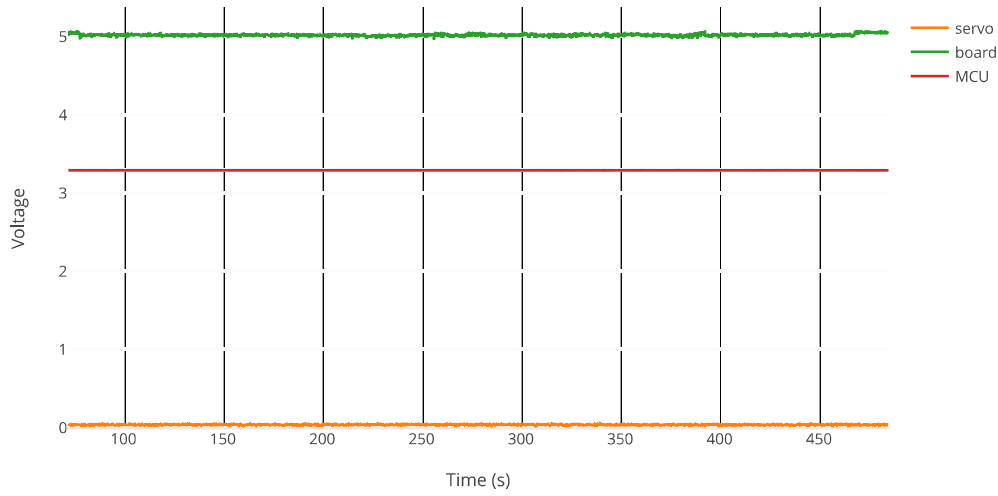
Download Files

[@SYS/uart.txt](#), [@SYS/dma.txt](#), [@SYS/memory.txt](#), [@SYS/threads.txt](#), [@SYS/timers.txt](#), [@ROMFS/hwdef.dat](#), [@SYS/storage.bin](#)

Temperature

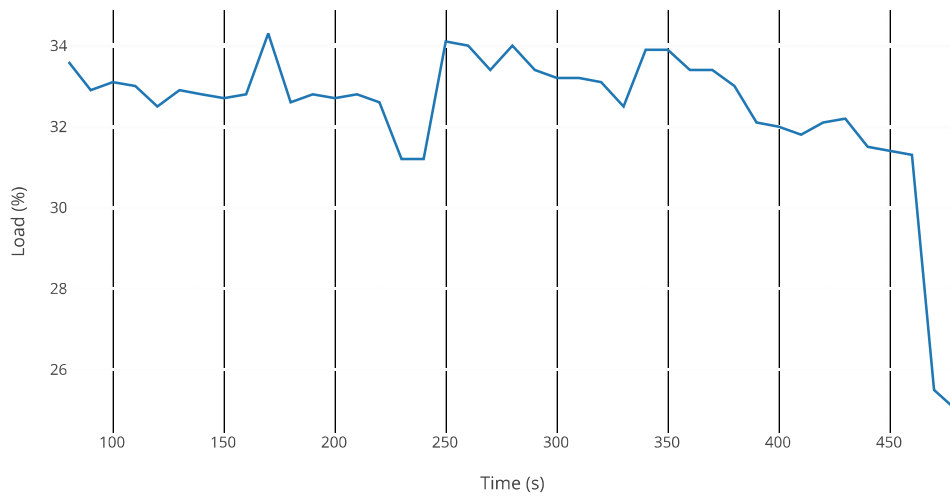


Board Voltage

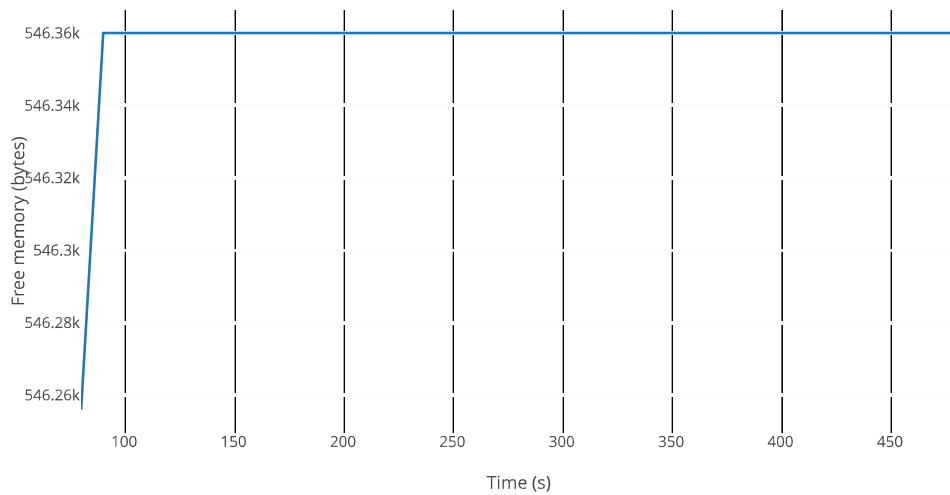


CPU

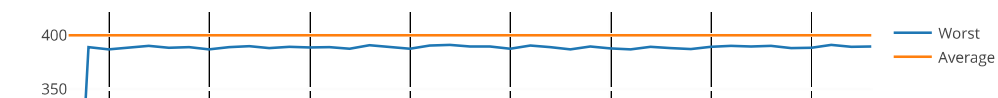
Load

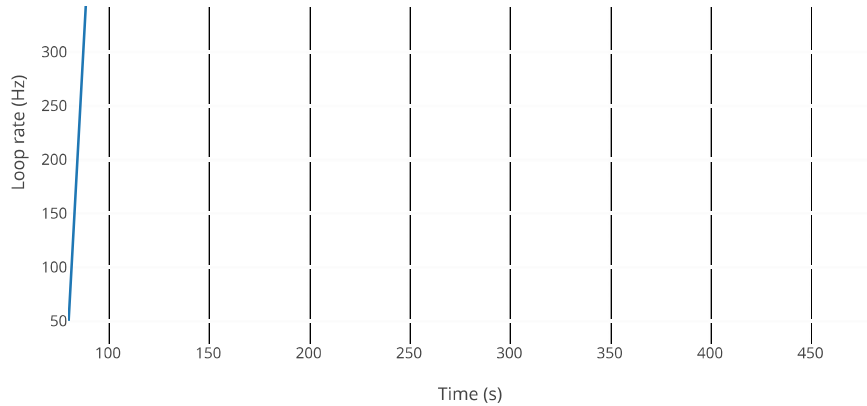


Free memory



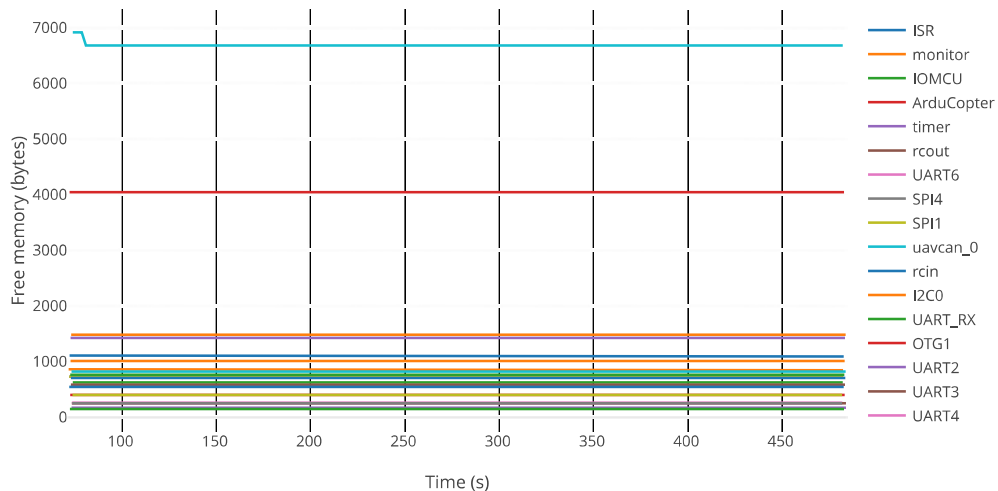
Loop times



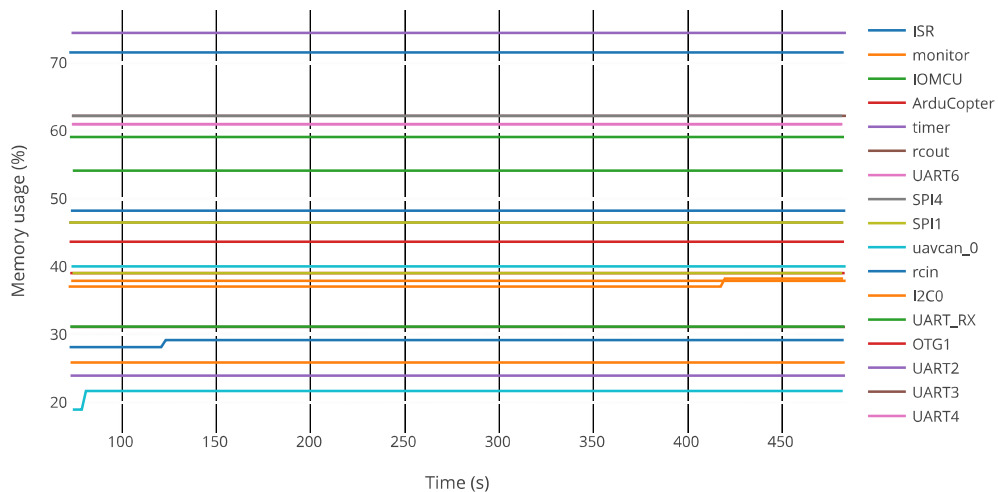


Stack

Free memory

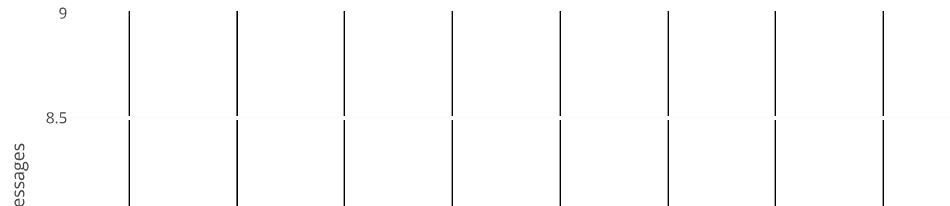


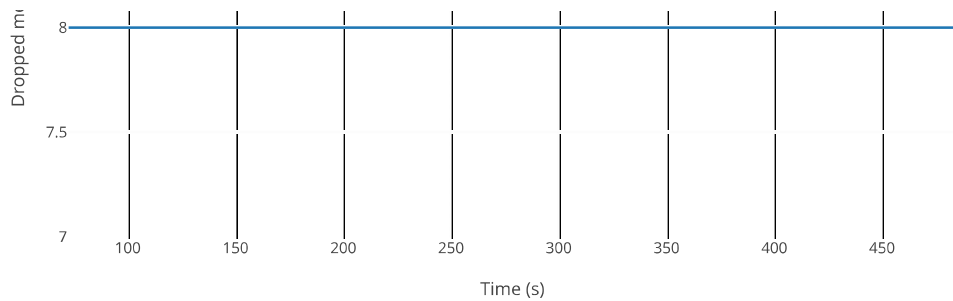
Memory usage



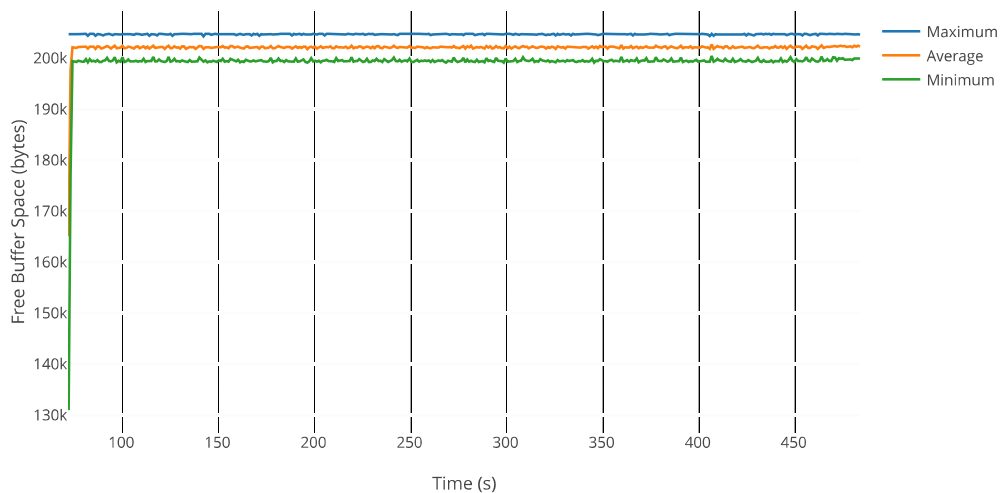
Log stats

Dropped messages





Free Buffer Space



Log Composition

Total size: 9180054 Bytes

