

ACRO\_LOCKING,0  
ACRO\_PITCH\_RATE,180  
ACRO\_ROLL\_RATE,180  
ACRO\_YAW\_RATE,0  
AHRS\_COMP\_BETA,0.1  
AHRS\_EKF\_TYPE,3  
AHRS\_GPS\_GAIN,1  
AHRS\_GPS\_MINSATS,6  
AHRS\_GPS\_USE,1  
AHRS\_OPTIONS,0  
AHRS\_ORIENTATION,0  
AHRS\_RP\_P,0.2  
AHRS\_TRIM\_X,0.000105588  
AHRS\_TRIM\_Y,0.0008867632  
AHRS\_TRIM\_Z,0  
AHRS\_WIND\_MAX,0  
AHRS\_YAW\_P,0.2  
AIRSPEED\_CRUISE,12  
AIRSPEED\_MAX,22  
AIRSPEED\_MIN,9  
ALT\_OFFSET,0  
ARMING\_ACCTHRESH,0.75  
ARMING\_CHECK,1  
ARMING\_MAGTHRESH,100  
ARMING\_MIS\_ITEMS,0  
ARMING\_OPTIONS,0  
ARMING\_REQUIRE,1  
ARMING\_RUDDER,2  
ARSPD\_AUTOCAL,0  
ARSPD\_BUS,1  
ARSPD\_DEVID,0  
ARSPD\_OFF\_PCNT,0  
ARSPD\_OFFSET,0  
ARSPD\_OPTIONS,11  
ARSPD\_PIN,15  
ARSPD\_PRIMARY,0  
ARSPD\_PSI\_RANGE,1  
ARSPD\_RATIO,2  
ARSPD\_SKIP\_CAL,0  
ARSPD\_TUBE\_ORDR,2  
ARSPD\_TYPE,1  
ARSPD\_USE,0  
ARSPD\_WIND\_GATE,5  
ARSPD\_WIND\_MAX,0  
ARSPD\_WIND\_WARN,0  
ARSPD2\_TYPE,0  
AUTOTUNE\_AXES,7  
AUTOTUNE\_LEVEL,6  
AUTOTUNE\_OPTIONS,0  
BARO\_ALT\_OFFSET,0  
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BARO\_EXT\_BUS,-1  
BARO\_FLTR\_RNG,0  
BARO\_GND\_TEMP,0

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BARO\_PROBE\_EXT,0  
BARO1\_DEVID,816897  
BARO1\_GND\_PRESS,98427.52  
BARO2\_DEVID,0  
BARO2\_GND\_PRESS,0  
BARO3\_DEVID,0  
BARO3\_GND\_PRESS,0  
BATT\_AMP\_OFFSET,0  
BATT\_AMP\_PERVLT,26.7  
BATT\_ARM\_MAH,0  
BATT\_ARM\_VOLT,0  
BATT\_CAPACITY,3300  
BATT\_CRT\_MAH,0  
BATT\_CRT\_VOLT,0  
BATT\_CURR\_PIN,11  
BATT\_FS\_CRT\_ACT,0  
BATT\_FS\_LOW\_ACT,0  
BATT\_FS\_VOLTSRC,0  
BATT\_LOW\_MAH,0  
BATT\_LOW\_TIMER,10  
BATT\_LOW\_VOLT,0  
BATT\_MONITOR,4  
BATT\_OPTIONS,0  
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BATT4\_MONITOR,0  
BATT5\_MONITOR,0  
BATT6\_MONITOR,0  
BATT7\_MONITOR,0  
BATT8\_MONITOR,0  
BATT9\_MONITOR,0  
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BRD\_OPTIONS,1  
BRD\_RTC\_TYPES,1  
BRD\_RTC\_TZ\_MIN,0  
BRD\_SAFETY\_DEFLT,0  
BRD\_SAFETY\_MASK,0  
BRD\_SAFETYOPTION,3  
BRD\_SD\_SLOWDOWN,0  
BRD\_SERIAL\_NUM,0  
BTN\_ENABLE,0  
CAM\_AUTO\_ONLY,0  
CAM\_MAX\_ROLL,0  
CAM\_RC\_TYPE,0  
CAM1\_TYPE,0  
CAM2\_TYPE,0  
CHUTE\_ENABLED,0

COMPASS\_AUTO\_ROT,2  
COMPASS\_AUTODEC,1  
COMPASS\_CAL\_FIT,16  
COMPASS\_DEC,0  
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COMPASS\_DEV\_ID2,0  
COMPASS\_DEV\_ID3,0  
COMPASS\_DEV\_ID4,0  
COMPASS\_DEV\_ID5,0  
COMPASS\_DEV\_ID6,0  
COMPASS\_DEV\_ID7,0  
COMPASS\_DEV\_ID8,0  
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COMPASS\_DIA\_Y,1.035624  
COMPASS\_DIA\_Z,0.9527295  
COMPASS\_DIA2\_X,1  
COMPASS\_DIA2\_Y,1  
COMPASS\_DIA2\_Z,1  
COMPASS\_DIA3\_X,1  
COMPASS\_DIA3\_Y,1  
COMPASS\_DIA3\_Z,1  
COMPASS\_DISBLMSK,0  
COMPASS\_ENABLE,1  
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COMPASS\_EXTERN3,0  
COMPASS\_EXTERNAL,1  
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COMPASS\_MOT\_Y,0  
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COMPASS\_MOT3\_X,0  
COMPASS\_MOT3\_Y,0  
COMPASS\_MOT3\_Z,0  
COMPASS\_MOTCT,0  
COMPASS\_ODI\_X,0.009575205  
COMPASS\_ODI\_Y,-0.07875066  
COMPASS\_ODI\_Z,0.0714375  
COMPASS\_ODI2\_X,0  
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COMPASS\_ODI2\_Z,0  
COMPASS\_ODI3\_X,0  
COMPASS\_ODI3\_Y,0  
COMPASS\_ODI3\_Z,0  
COMPASS\_OFFS\_MAX,1800  
COMPASS\_OFS\_X,510.5788  
COMPASS\_OFS\_Y,114.9314  
COMPASS\_OFS\_Z,-121.4626  
COMPASS\_OFS2\_X,0  
COMPASS\_OFS2\_Y,0  
COMPASS\_OFS2\_Z,0

COMPASS\_OFS3\_X,0  
COMPASS\_OFS3\_Y,0  
COMPASS\_OFS3\_Z,0  
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COMPASS\_ORIENT2,0  
COMPASS\_ORIENT3,0  
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COMPASS\_PRIO2\_ID,0  
COMPASS\_PRIO3\_ID,0  
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COMPASS\_SCALE2,0  
COMPASS\_SCALE3,0  
COMPASS\_USE,1  
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COMPASS\_USE3,1  
CRASH\_ACC\_THRESH,0  
CRASH\_DETECT,0  
CRUISE\_ALT\_FLOOR,0  
CUST\_ROT\_ENABLE,0  
DSPOILER\_AILMTCH,100  
DSPOILER\_CROW\_W1,0  
DSPOILER\_CROW\_W2,0  
DSPOILER\_OPTS,3  
DSPOILR\_RUD\_RATE,100  
EK3\_ABIAS\_P\_NSE,0.02  
EK3\_ACC\_BIAS\_LIM,1  
EK3\_ACC\_P\_NSE,0.35  
EK3\_AFFINITY,0  
EK3\_ALT\_M\_NSE,3  
EK3\_BCN\_DELAY,50  
EK3\_BCN\_I\_GTE,500  
EK3\_BCN\_M\_NSE,1  
EK3\_BETA\_MASK,0  
EK3\_CHECK\_SCALE,100  
EK3\_DRAG\_BCOEF\_X,0  
EK3\_DRAG\_BCOEF\_Y,0  
EK3\_DRAG\_M\_NSE,0.5  
EK3\_DRAG\_MCOEF,0  
EK3\_EAS\_I\_GATE,400  
EK3\_EAS\_M\_NSE,1.4  
EK3\_ENABLE,1  
EK3\_ERR\_THRESH,0.2  
EK3\_FLOW\_DELAY,10  
EK3\_FLOW\_I\_GATE,500  
EK3\_FLOW\_M\_NSE,0.15  
EK3\_FLOW\_USE,2  
EK3\_GBIAS\_P\_NSE,0.001  
EK3\_GLITCH\_RAD,25  
EK3\_GND\_EFF\_DZ,4  
EK3\_GPS\_CHECK,31  
EK3\_GPS\_VACC\_MAX,0  
EK3\_GSF\_RST\_MAX,2

EK3\_GSF\_RUN\_MASK,3  
EK3\_GSF\_USE\_MASK,3  
EK3\_GYRO\_P\_NSE,0.015  
EK3\_HGT\_DELAY,60  
EK3\_HGT\_I\_GATE,500  
EK3\_HRT\_FILT,2  
EK3\_IMU\_MASK,1  
EK3\_LOG\_LEVEL,0  
EK3\_MAG\_CAL,0  
EK3\_MAG\_EF\_LIM,50  
EK3\_MAG\_I\_GATE,300  
EK3\_MAG\_M\_NSE,0.05  
EK3\_MAG\_MASK,0  
EK3\_MAGB\_P\_NSE,0.0001  
EK3\_MAGE\_P\_NSE,0.001  
EK3\_MAX\_FLOW,2.5  
EK3\_NOAID\_M\_NSE,10  
EK3\_OGN\_HGT\_MASK,0  
EK3\_OGNM\_TEST\_SF,2  
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EK3\_POSNE\_M\_NSE,0.5  
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EK3\_RNG\_I\_GATE,500  
EK3\_RNG\_M\_NSE,0.5  
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EK3\_RNG\_USE\_SPD,2  
EK3\_SRC\_OPTIONS,1  
EK3\_SRC1\_POSXY,3  
EK3\_SRC1\_POSZ,1  
EK3\_SRC1\_VELXY,3  
EK3\_SRC1\_VELZ,3  
EK3\_SRC1\_YAW,1  
EK3\_SRC2\_POSXY,0  
EK3\_SRC2\_POSZ,1  
EK3\_SRC2\_VELXY,0  
EK3\_SRC2\_VELZ,0  
EK3\_SRC2\_YAW,0  
EK3\_SRC3\_POSXY,0  
EK3\_SRC3\_POSZ,1  
EK3\_SRC3\_VELXY,0  
EK3\_SRC3\_VELZ,0  
EK3\_SRC3\_YAW,0  
EK3\_TAU\_OUTPUT,25  
EK3\_TERR\_GRAD,0.1  
EK3\_VEL\_I\_GATE,500  
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EK3\_VELNE\_M\_NSE,0.5  
EK3\_VIS\_VERR\_MAX,0.9  
EK3\_VIS\_VERR\_MIN,0.1  
EK3\_WENC\_VERR,0.1  
EK3\_WIND\_P\_NSE,0.1  
EK3\_WIND\_PSCALE,1  
EK3\_YAW\_I\_GATE,300  
EK3\_YAW\_M\_NSE,0.5

ESC\_TLM\_MAV\_OFS,0  
FBWB\_CLIMB\_RATE,2  
FBWB\_ELEV\_REV,0  
FENCE\_ACTION,1  
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FENCE\_RET\_RALLY,0  
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FLAP\_1\_PERCNT,0  
FLAP\_1\_SPEED,0  
FLAP\_2\_PERCNT,0  
FLAP\_2\_SPEED,0  
FLAP\_SLEWRATE,75  
FLIGHT\_OPTIONS,0  
FLTMODE\_CH,8  
FLTMODE\_GCSBLOCK,0  
FLTMODE1,19  
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FLTMODE3,5  
FLTMODE4,5  
FLTMODE5,21  
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FRSKY\_DNLINK\_ID,27  
FRSKY\_DNLINK1\_ID,20  
FRSKY\_DNLINK2\_ID,7  
FRSKY\_OPTIONS,0  
FRSKY\_UPLINK\_ID,13  
FS\_EKF\_THRESH,0.8  
FS\_GCS\_ENABL,0  
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FS\_LONG\_TIMEOUT,5  
FS\_SHORT\_ACTN,0  
FS\_SHORT\_TIMEOUT,1.5  
FWD\_BAT\_IDX,0  
FWD\_BAT\_VOLT\_MAX,0  
FWD\_BAT\_VOLT\_MIN,0  
GCS\_PID\_MASK,0  
GLIDE\_SLOPE\_MIN,15  
GLIDE\_SLOPE\_THR,5  
GPS\_AUTO\_CONFIG,1  
GPS\_AUTO\_SWITCH,1  
GPS\_BLEND\_MASK,5  
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GPS\_DELAY\_MS2,0  
GPS\_DRV\_OPTIONS,4  
GPS\_GNSS\_MODE,0

GPS\_GNSS\_MODE2,0  
GPS\_INJECT\_TO,127  
GPS\_MIN\_DGPS,100  
GPS\_MIN\_ELEV,-100  
GPS\_NAVFILTER,8  
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GPS\_POS1\_Y,0  
GPS\_POS1\_Z,0  
GPS\_POS2\_X,0  
GPS\_POS2\_Y,0  
GPS\_POS2\_Z,0  
GPS\_PRIMARY,0  
GPS\_RATE\_MS,200  
GPS\_RATE\_MS2,200  
GPS\_RAW\_DATA,0  
GPS\_SAVE\_CFG,2  
GPS\_SBAS\_MODE,2  
GPS\_TYPE,1  
GPS\_TYPE2,0  
GROUND\_STEER\_ALT,0  
GROUND\_STEER\_DPS,90  
HOME\_RESET\_ALT,0  
INITIAL\_MODE,0  
INS\_ACC\_BODYFIX,2  
INS\_ACC\_ID,3408138  
INS\_ACCEL\_FILTER,20  
INS\_ACCOFFS\_X,0.7580433  
INS\_ACCOFFS\_Y,0.4263867  
INS\_ACCOFFS\_Z,-0.008310318  
INS\_ACCSCAL\_X,1  
INS\_ACCSCAL\_Y,1  
INS\_ACCSCAL\_Z,1  
INS\_ENABLE\_MASK,127  
INS\_FAST\_SAMPLE,1  
INS\_GYR\_CAL,1  
INS\_GYR\_ID,3408138  
INS\_GYRO\_FILTER,20  
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INS\_GYROFFS\_Y,0.0123062  
INS\_GYROFFS\_Z,0.0005349471  
INS\_HNTC2\_ENABLE,0  
INS\_HNTCH\_ENABLE,0  
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INS\_LOG\_BAT\_OPT,0  
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INS\_POS1\_Z,0  
INS\_RAW\_LOG\_OPT,0  
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INS\_TRIM\_OPTION,1

INS\_USE,1  
KFF\_RDDRMIX,0.5  
KFF\_THR2PTCH,0  
LAND\_ABORT\_DEG,0  
LAND\_ABORT\_THR,0  
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LAND\_FLARE\_SEC,2  
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LAND\_PF\_SEC,6  
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LAND\_THR\_SLEW,0  
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LOG\_BACKEND\_TYPE,4  
LOG\_BITMASK,65535  
LOG\_BLK\_RATEMAX,0  
LOG\_DARM\_RATEMAX,0  
LOG\_DISARMED,0  
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LOG\_FILE\_DSRMROT,0  
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LOG\_FILE\_RATEMAX,0  
LOG\_FILE\_TIMEOUT,5  
LOG\_MAV\_BUFSIZE,8  
LOG\_MAV\_RATEMAX,0  
LOG\_MAX\_FILES,500  
LOG\_REPLAY,0  
MAN\_EXPO\_PITCH,0  
MAN\_EXPO\_ROLL,0  
MAN\_EXPO\_RUDDER,0  
MANUAL\_RCMASK,0  
MIN\_GROUNDSPEED,0  
MIS\_OPTIONS,0  
MIS\_RESTART,0  
MIS\_TOTAL,0  
MIXING\_GAIN,0.5  
MIXING\_OFFSET,0  
MSP\_OPTIONS,0  
MSP\_OSD\_NCELLS,0  
NAVL1\_DAMPING,0.75  
NAVL1\_LIM\_BANK,0  
NAVL1\_PERIOD,17  
NAVL1\_XTRACK\_I,0.02  
NTF\_BUZZ\_ON\_LVL,1  
NTF\_BUZZ\_PIN,-1  
NTF\_BUZZ\_TYPES,1



NTF\_BUZZ\_VOLUME,100  
NTF\_LED\_BRIGHT,3  
NTF\_LED\_LEN,1  
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NTF\_LED\_TYPES,122887  
ONESHOT\_MASK,0  
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OSD\_W\_AVGCELLV,3.6  
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OSD\_W\_RESTVOLT,10  
OSD\_W\_RSSI,30  
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OSD1\_CRSSHAIR\_X,0  
OSD1\_CRSSHAIR\_Y,0  
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OSD1\_CURRENT2\_EN,0  
OSD1\_CURRENT2\_X,0  
OSD1\_CURRENT2\_Y,0  
OSD1\_DIST\_EN,0  
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OSD1\_HOME\_Y,1  
OSD1\_HOMEDIR\_EN,1  
OSD1\_HOMEDIR\_X,1  
OSD1\_HOMEDIR\_Y,1  
OSD1\_HOMEDIST\_EN,1  
OSD1\_HOMEDIST\_X,1  
OSD1\_HOMEDIST\_Y,1  
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OSD1\_RESTVOLT\_Y,2  
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OSD1\_RSSI\_Y,1  
OSD1\_SATS\_EN,1  
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OSD1\_SATS\_Y,3  
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OSD1\_SIDEBARS\_Y,5  
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OSD1\_WIND\_EN,0  
OSD1\_WIND\_X,2  
OSD1\_WIND\_Y,12  
OSD1\_XTRACK\_EN,0  
OSD1\_XTRACK\_X,0  
OSD1\_XTRACK\_Y,0  
OSD2\_ENABLE,0  
OSD2\_FONT,0  
OSD2\_LINK\_Q\_EN,0  
OSD2\_LINK\_Q\_X,1  
OSD2\_LINK\_Q\_Y,1  
OSD2\_TXT\_RES,0  
OSD3\_ENABLE,0  
OSD3\_FONT,0  
OSD3\_LINK\_Q\_EN,0  
OSD3\_LINK\_Q\_X,1  
OSD3\_LINK\_Q\_Y,1  
OSD3\_TXT\_RES,0  
OSD4\_ENABLE,0

OSD4\_FONT,0  
OSD4\_LINK\_Q\_EN,0  
OSD4\_LINK\_Q\_X,1  
OSD4\_LINK\_Q\_Y,1  
OSD4\_TXT\_RES,0  
OSD5\_ENABLE,0  
OSD6\_ENABLE,0  
PTCH\_LIM\_MAX\_DEG,20  
PTCH\_LIM\_MIN\_DEG,-25  
PTCH\_RATE\_D,0  
PTCH\_RATE\_D\_FF,0  
PTCH\_RATE\_FF,0.345  
PTCH\_RATE\_FLTD,12  
PTCH\_RATE\_FLTE,0  
PTCH\_RATE\_FLTT,3  
PTCH\_RATE\_I,0.15  
PTCH\_RATE\_IMAX,0.666  
PTCH\_RATE\_P,0.04  
PTCH\_RATE\_PDMX,0  
PTCH\_RATE\_SMAX,150  
PTCH\_TRIM\_DEG,0  
PTCH2SRV\_RLL,1  
PTCH2SRV\_RMAX\_DN,0  
PTCH2SRV\_RMAX\_UP,0  
PTCH2SRV\_TCONST,0.5  
Q\_A\_ACCEL\_P\_MAX,40000  
Q\_A\_ACCEL\_R\_MAX,40000  
Q\_A\_ACCEL\_Y\_MAX,10000  
Q\_A\_ANG\_LIM\_TC,1  
Q\_A\_ANG\_PIT\_P,4.5  
Q\_A\_ANG\_RLL\_P,4.5  
Q\_A\_ANG\_YAW\_P,4.5  
Q\_A\_ANGLE\_BOOST,1  
Q\_A\_INPUT\_TC,0.2  
Q\_A\_RAT\_PIT\_D,0.0036  
Q\_A\_RAT\_PIT\_D\_FF,0  
Q\_A\_RAT\_PIT\_FF,0  
Q\_A\_RAT\_PIT\_FLTD,10  
Q\_A\_RAT\_PIT\_FLTE,0  
Q\_A\_RAT\_PIT\_FLTT,20  
Q\_A\_RAT\_PIT\_I,0.25  
Q\_A\_RAT\_PIT\_IMAX,0.5  
Q\_A\_RAT\_PIT\_P,0.25  
Q\_A\_RAT\_PIT\_PDMX,0  
Q\_A\_RAT\_PIT\_SMAX,50  
Q\_A\_RAT\_RLL\_D,0.0036  
Q\_A\_RAT\_RLL\_D\_FF,0  
Q\_A\_RAT\_RLL\_FF,0  
Q\_A\_RAT\_RLL\_FLTD,10  
Q\_A\_RAT\_RLL\_FLTE,0  
Q\_A\_RAT\_RLL\_FLTT,20  
Q\_A\_RAT\_RLL\_I,0.25  
Q\_A\_RAT\_RLL\_IMAX,0.5  
Q\_A\_RAT\_RLL\_P,0.25

Q\_A\_RAT\_RLL\_PDMX,0  
Q\_A\_RAT\_RLL\_SMAX,50  
Q\_A\_RAT\_YAW\_D,0  
Q\_A\_RAT\_YAW\_D\_FF,0  
Q\_A\_RAT\_YAW\_FF,0  
Q\_A\_RAT\_YAW\_FLTD,20  
Q\_A\_RAT\_YAW\_FLTE,2.5  
Q\_A\_RAT\_YAW\_FLTT,20  
Q\_A\_RAT\_YAW\_I,0.018  
Q\_A\_RAT\_YAW\_IMAX,0.5  
Q\_A\_RAT\_YAW\_P,0.18  
Q\_A\_RAT\_YAW\_PDMX,0  
Q\_A\_RAT\_YAW\_SMAX,50  
Q\_A\_RATE\_FF\_ENAB,1  
Q\_A\_RATE\_P\_MAX,75  
Q\_A\_RATE\_R\_MAX,75  
Q\_A\_RATE\_Y\_MAX,75  
Q\_A\_SLEW\_YAW,6000  
Q\_A\_THR\_G\_BOOST,0  
Q\_A\_THR\_MIX\_MAN,0.1  
Q\_A\_THR\_MIX\_MAX,0.5  
Q\_A\_THR\_MIX\_MIN,0.1  
Q\_ACRO\_PIT\_RATE,180  
Q\_ACRO\_RLL\_RATE,360  
Q\_ACRO\_YAW\_RATE,90  
Q\_ANGLE\_MAX,2000  
Q\_ASSIST\_ALT,0  
Q\_ASSIST\_ANGLE,30  
Q\_ASSIST\_DELAY,0.5  
Q\_ASSIST\_SPEED,15  
Q\_BACKTRANS\_MS,3000  
Q\_BCK\_PIT\_LIM,10  
Q\_ENABLE,1  
Q\_ESC\_CAL,0  
Q\_FRAME\_CLASS,1  
Q\_FRAME\_TYPE,1  
Q\_FW\_LND\_APR\_RAD,0  
Q\_FWD\_MANTHR\_MAX,0  
Q\_FWD\_PIT\_LIM,3  
Q\_FWD\_THR\_GAIN,2  
Q\_FWD\_THR\_USE,0  
Q\_GUIDED\_MODE,0  
Q\_LAND\_ALTCHG,0.2  
Q\_LAND\_FINAL\_ALT,6  
Q\_LAND\_FINAL\_SPD,0.5  
Q\_LAND\_ICE\_CUT,1  
Q\_LOIT\_ACC\_MAX,250  
Q\_LOIT\_ANG\_MAX,15  
Q\_LOIT\_BRK\_ACCEL,50  
Q\_LOIT\_BRK\_DELAY,1  
Q\_LOIT\_BRK\_JERK,250  
Q\_LOIT\_SPEED,500  
Q\_M\_BAT\_CURR\_MAX,0  
Q\_M\_BAT\_CURR\_TC,5

Q\_M\_BAT\_IDX,0  
Q\_M\_BAT\_VOLT\_MAX,0  
Q\_M\_BAT\_VOLT\_MIN,0  
Q\_M\_BOOST\_SCALE,0  
Q\_M\_HOVER\_LEARN,2  
Q\_M\_OPTIONS,0  
Q\_M\_PWM\_MAX,2100  
Q\_M\_PWM\_MIN,1000  
Q\_M\_PWM\_TYPE,0  
Q\_M\_SAFE\_DISARM,0  
Q\_M\_SAFE\_TIME,1  
Q\_M\_SLEW\_DN\_TIME,0  
Q\_M\_SLEW\_UP\_TIME,0  
Q\_M\_SPIN\_ARM,0.1  
Q\_M\_SPIN\_MAX,0.95  
Q\_M\_SPIN\_MIN,0.15  
Q\_M\_SPOOL\_TIM\_DN,0  
Q\_M\_SPOOL\_TIME,0.25  
Q\_M\_THST\_EXPO,0.65  
Q\_M\_THST\_HOVER,0.35  
Q\_M\_YAW\_HEADROOM,200  
Q\_MAV\_TYPE,0  
Q\_NAVALT\_MIN,0  
Q\_OPTIONS,0  
Q\_P\_ACCZ\_D,0  
Q\_P\_ACCZ\_D\_FF,0  
Q\_P\_ACCZ\_FF,0  
Q\_P\_ACCZ\_FLTD,0  
Q\_P\_ACCZ\_FLTE,10  
Q\_P\_ACCZ\_FLTT,0  
Q\_P\_ACCZ\_I,1  
Q\_P\_ACCZ\_IMAX,800  
Q\_P\_ACCZ\_P,0.3  
Q\_P\_ACCZ\_PDMX,0  
Q\_P\_ACCZ\_SMAX,0  
Q\_P\_ANGLE\_MAX,0  
Q\_P\_JERK\_XY,2  
Q\_P\_JERK\_Z,5  
Q\_P\_POSXY\_P,0.5  
Q\_P\_POSZ\_P,1  
Q\_P\_VELXY\_D,0.17  
Q\_P\_VELXY\_FF,0  
Q\_P\_VELXY\_FLTD,5  
Q\_P\_VELXY\_FLTE,5  
Q\_P\_VELXY\_I,0.35  
Q\_P\_VELXY\_IMAX,1000  
Q\_P\_VELXY\_P,0.7  
Q\_P\_VELZ\_D,0  
Q\_P\_VELZ\_FF,0  
Q\_P\_VELZ\_FLTD,5  
Q\_P\_VELZ\_FLTE,5  
Q\_P\_VELZ\_I,0  
Q\_P\_VELZ\_IMAX,1000  
Q\_P\_VELZ\_P,5

Q\_PILOT\_ACCEL\_Z,2.5  
Q\_PILOT\_SPD\_DN,0  
Q\_PILOT\_SPD\_UP,2.5  
Q\_PLT\_Y\_EXPO,0.25  
Q\_PLT\_Y\_RATE,100  
Q\_PLT\_Y\_RATE\_TC,0.25  
Q\_RC\_SPEED,490  
Q\_RTL\_ALT,15  
Q\_RTL\_ALT\_MIN,10  
Q\_RTL\_MODE,0  
Q\_TAILSIT\_ENABLE,0  
Q\_THROTTLE\_EXPO,0.2  
Q\_TILT\_ENABLE,0  
Q\_TKOFF\_ARSP\_LIM,0  
Q\_TKOFF\_FAIL\_SCL,0  
Q\_TRAN\_PIT\_MAX,3  
Q\_TRANS\_DECEL,2  
Q\_TRANS\_FAIL,0  
Q\_TRANS\_FAIL\_ACT,0  
Q\_TRANSITION\_MS,5000  
Q\_TRIM\_PITCH,0  
Q\_VFWD\_ALT,0  
Q\_VFWD\_GAIN,0  
Q\_WP\_ACCEL,100  
Q\_WP\_ACCEL\_C,0  
Q\_WP\_ACCEL\_Z,100  
Q\_WP\_JERK,1  
Q\_WP\_RADIUS,200  
Q\_WP\_RFND\_USE,1  
Q\_WP\_SPEED,500  
Q\_WP\_SPEED\_DN,150  
Q\_WP\_SPEED\_UP,250  
Q\_WP\_TER\_MARGIN,10  
Q\_WVANE\_ANG\_MIN,1  
Q\_WVANE\_ENABLE,1  
Q\_WVANE\_GAIN,0  
Q\_WVANE\_HGT\_MIN,0  
Q\_WVANE\_LAND,-1  
Q\_WVANE\_OPTIONS,0  
Q\_WVANE\_SPD\_MAX,0  
Q\_WVANE\_TAKEOFF,-1  
Q\_WVANE\_VELZ\_MAX,0  
RALLY\_INCL\_HOME,0  
RALLY\_LIMIT\_KM,5  
RALLY\_TOTAL,0  
RC\_OPTIONS,32  
RC\_OVERRIDE\_TIME,3  
RC\_PROTOCOLS,1  
RC1\_DZ,30  
RC1\_MAX,2011  
RC1\_MIN,988  
RC1\_OPTION,0  
RC1\_REVERSED,0  
RC1\_TRIM,1500



RC10\_DZ,0  
RC10\_MAX,1900  
RC10\_MIN,1100  
RC10\_OPTION,0  
RC10\_REVERSED,0  
RC10\_TRIM,1500  
RC11\_DZ,0  
RC11\_MAX,1900  
RC11\_MIN,1100  
RC11\_OPTION,0  
RC11\_REVERSED,0  
RC11\_TRIM,1500  
RC12\_DZ,0  
RC12\_MAX,1900  
RC12\_MIN,1100  
RC12\_OPTION,0  
RC12\_REVERSED,0  
RC12\_TRIM,1500  
RC13\_DZ,0  
RC13\_MAX,1900  
RC13\_MIN,1100  
RC13\_OPTION,0  
RC13\_REVERSED,0  
RC13\_TRIM,1500  
RC14\_DZ,0  
RC14\_MAX,1900  
RC14\_MIN,1100  
RC14\_OPTION,0  
RC14\_REVERSED,0  
RC14\_TRIM,1500  
RC15\_DZ,0  
RC15\_MAX,2011  
RC15\_MIN,1980  
RC15\_OPTION,0  
RC15\_REVERSED,0  
RC15\_TRIM,2011  
RC16\_DZ,0  
RC16\_MAX,1900  
RC16\_MIN,1100  
RC16\_OPTION,0  
RC16\_REVERSED,0  
RC16\_TRIM,1500  
RC2\_DZ,30  
RC2\_MAX,2011  
RC2\_MIN,988  
RC2\_OPTION,0  
RC2\_REVERSED,1  
RC2\_TRIM,1500  
RC3\_DZ,30  
RC3\_MAX,2011  
RC3\_MIN,988  
RC3\_OPTION,0  
RC3\_REVERSED,0  
RC3\_TRIM,988

RC4\_DZ,30  
RC4\_MAX,2011  
RC4\_MIN,988  
RC4\_OPTION,0  
RC4\_REVERSED,0  
RC4\_TRIM,1499  
RC5\_DZ,0  
RC5\_MAX,1900  
RC5\_MIN,1100  
RC5\_OPTION,0  
RC5\_REVERSED,0  
RC5\_TRIM,1500  
RC6\_DZ,0  
RC6\_MAX,1900  
RC6\_MIN,1100  
RC6\_OPTION,0  
RC6\_REVERSED,0  
RC6\_TRIM,1500  
RC7\_DZ,0  
RC7\_MAX,1900  
RC7\_MIN,1100  
RC7\_OPTION,0  
RC7\_REVERSED,0  
RC7\_TRIM,1500  
RC8\_DZ,0  
RC8\_MAX,2000  
RC8\_MIN,999  
RC8\_OPTION,0  
RC8\_REVERSED,0  
RC8\_TRIM,999  
RC9\_DZ,0  
RC9\_MAX,2000  
RC9\_MIN,999  
RC9\_OPTION,0  
RC9\_REVERSED,0  
RC9\_TRIM,999  
RCMAP\_PITCH,2  
RCMAP\_ROLL,1  
RCMAP\_THROTTLE,4  
RCMAP\_YAW,3  
RELAY1\_FUNCTION,0  
RELAY2\_FUNCTION,0  
RELAY3\_FUNCTION,0  
RELAY4\_FUNCTION,0  
RELAY5\_FUNCTION,0  
RELAY6\_FUNCTION,0  
RLL\_RATE\_D,0  
RLL\_RATE\_D\_FF,0  
RLL\_RATE\_FF,0.345  
RLL\_RATE\_FLTD,12  
RLL\_RATE\_FLTE,0  
RLL\_RATE\_FLTT,3  
RLL\_RATE\_I,0.15  
RLL\_RATE\_IMAX,0.666

RLL\_RATE\_P,0.08  
RLL\_RATE\_PDMX,0  
RLL\_RATE\_SMAX,150  
RLL2SRV\_RMAX,0  
RLL2SRV\_TCONST,0.5  
RNGFND\_LANDING,0  
RNGFND1\_TYPE,0  
RNGFND2\_TYPE,0  
RNGFND3\_TYPE,0  
RNGFND4\_TYPE,0  
RNGFND5\_TYPE,0  
RNGFND6\_TYPE,0  
RNGFND7\_TYPE,0  
RNGFND8\_TYPE,0  
RNGFND9\_TYPE,0  
RNGFNDA\_TYPE,0  
ROLL\_LIMIT\_DEG,45  
RPM1\_TYPE,0  
RPM2\_TYPE,0  
RSSI\_TYPE,0  
RTL\_ALTITUDE,50  
RTL\_AUTOLAND,0  
RTL\_CLIMB\_MIN,0  
RTL\_RADIUS,0  
RUDD\_DT\_GAIN,10  
RUDDER\_ONLY,0  
SCALING\_SPEED,15  
SCHED\_DEBUG,0  
SCHED\_LOOP\_RATE,300  
SCHED\_OPTIONS,0  
SERIAL\_PASS1,0  
SERIAL\_PASS2,-1  
SERIAL\_PASSTIMO,15  
SERIAL0\_BAUD,115  
SERIAL0\_PROTOCOL,2  
SERIAL1\_BAUD,57  
SERIAL1\_OPTIONS,0  
SERIAL1\_PROTOCOL,2  
SERIAL2\_BAUD,57  
SERIAL2\_OPTIONS,0  
SERIAL2\_PROTOCOL,2  
SERIAL3\_BAUD,230  
SERIAL3\_OPTIONS,0  
SERIAL3\_PROTOCOL,5  
SERIAL4\_BAUD,230  
SERIAL4\_OPTIONS,0  
SERIAL4\_PROTOCOL,5  
SERIAL5\_BAUD,57  
SERIAL5\_OPTIONS,0  
SERIAL5\_PROTOCOL,-1  
SERIAL6\_BAUD,115  
SERIAL6\_OPTIONS,0  
SERIAL6\_PROTOCOL,23  
SERVO\_AUTO\_TRIM,1

SERVO\_BLH\_3DMASK,0  
SERVO\_BLH\_AUTO,0  
SERVO\_BLH\_BDMASK,0  
SERVO\_BLH\_DEBUG,0  
SERVO\_BLH\_MASK,8  
SERVO\_BLH\_OTYPE,0  
SERVO\_BLH\_POLES,14  
SERVO\_BLH\_PORT,0  
SERVO\_BLH\_RVMASK,0  
SERVO\_BLH\_TEST,0  
SERVO\_BLH\_TMOU,0  
SERVO\_BLH\_TRATE,10  
SERVO\_DSHOT\_ESC,0  
SERVO\_DSHOT\_RATE,0  
SERVO\_GPIO\_MASK,0  
SERVO\_RATE,50  
SERVO\_RC\_FS\_MSK,0  
SERVO1\_FUNCTION,4  
SERVO1\_MAX,2000  
SERVO1\_MIN,1000  
SERVO1\_REVERSED,1  
SERVO1\_TRIM,1500  
SERVO10\_FUNCTION,0  
SERVO10\_MAX,1900  
SERVO10\_MIN,1100  
SERVO10\_REVERSED,0  
SERVO10\_TRIM,1500  
SERVO11\_FUNCTION,0  
SERVO11\_MAX,1900  
SERVO11\_MIN,1100  
SERVO11\_REVERSED,0  
SERVO11\_TRIM,1500  
SERVO12\_FUNCTION,0  
SERVO12\_MAX,1900  
SERVO12\_MIN,1100  
SERVO12\_REVERSED,0  
SERVO12\_TRIM,1500  
SERVO13\_FUNCTION,0  
SERVO13\_MAX,1900  
SERVO13\_MIN,1100  
SERVO13\_REVERSED,0  
SERVO13\_TRIM,1500  
SERVO14\_FUNCTION,0  
SERVO14\_MAX,1900  
SERVO14\_MIN,1100  
SERVO14\_REVERSED,0  
SERVO14\_TRIM,1500  
SERVO15\_FUNCTION,0  
SERVO15\_MAX,1900  
SERVO15\_MIN,1100  
SERVO15\_REVERSED,0  
SERVO15\_TRIM,1500  
SERVO16\_FUNCTION,0  
SERVO16\_MAX,1900

SERVO16\_MIN,1100  
SERVO16\_REVERSED,0  
SERVO16\_TRIM,1500  
SERVO2\_FUNCTION,19  
SERVO2\_MAX,2100  
SERVO2\_MIN,900  
SERVO2\_REVERSED,0  
SERVO2\_TRIM,1500  
SERVO3\_FUNCTION,21  
SERVO3\_MAX,2100  
SERVO3\_MIN,900  
SERVO3\_REVERSED,0  
SERVO3\_TRIM,1500  
SERVO4\_FUNCTION,70  
SERVO4\_MAX,2100  
SERVO4\_MIN,900  
SERVO4\_REVERSED,0  
SERVO4\_TRIM,900  
SERVO5\_FUNCTION,33  
SERVO5\_MAX,2000  
SERVO5\_MIN,1100  
SERVO5\_REVERSED,0  
SERVO5\_TRIM,1500  
SERVO6\_FUNCTION,34  
SERVO6\_MAX,2000  
SERVO6\_MIN,1100  
SERVO6\_REVERSED,0  
SERVO6\_TRIM,1500  
SERVO7\_FUNCTION,35  
SERVO7\_MAX,2000  
SERVO7\_MIN,1100  
SERVO7\_REVERSED,0  
SERVO7\_TRIM,1500  
SERVO8\_FUNCTION,36  
SERVO8\_MAX,2000  
SERVO8\_MIN,1100  
SERVO8\_REVERSED,0  
SERVO8\_TRIM,1500  
SERVO9\_FUNCTION,0  
SERVO9\_MAX,2100  
SERVO9\_MIN,900  
SERVO9\_REVERSED,0  
SERVO9\_TRIM,1500  
SOAR\_ENABLE,0  
SR0\_ADSB,5  
SR0\_EXT\_STAT,2  
SR0\_EXTRA1,4  
SR0\_EXTRA2,4  
SR0\_EXTRA3,2  
SR0\_PARAMS,10  
SR0\_POSITION,2  
SR0\_RAW\_CTRL,1  
SR0\_RAW\_SENS,2  
SR0\_RC\_CHAN,2

SR1\_ADSB,5  
SR1\_EXT\_STAT,1  
SR1\_EXTRA1,1  
SR1\_EXTRA2,1  
SR1\_EXTRA3,1  
SR1\_PARAMS,10  
SR1\_POSITION,1  
SR1\_RAW\_CTRL,1  
SR1\_RAW\_SENS,1  
SR1\_RC\_CHAN,1  
SR2\_ADSB,5  
SR2\_EXT\_STAT,1  
SR2\_EXTRA1,1  
SR2\_EXTRA2,1  
SR2\_EXTRA3,1  
SR2\_PARAMS,10  
SR2\_POSITION,1  
SR2\_RAW\_CTRL,1  
SR2\_RAW\_SENS,1  
SR2\_RC\_CHAN,1  
SR3\_ADSB,5  
SR3\_EXT\_STAT,1  
SR3\_EXTRA1,1  
SR3\_EXTRA2,1  
SR3\_EXTRA3,1  
SR3\_PARAMS,10  
SR3\_POSITION,1  
SR3\_RAW\_CTRL,1  
SR3\_RAW\_SENS,1  
SR3\_RC\_CHAN,1  
SR4\_ADSB,5  
SR4\_EXT\_STAT,1  
SR4\_EXTRA1,1  
SR4\_EXTRA2,1  
SR4\_EXTRA3,1  
SR4\_PARAMS,10  
SR4\_POSITION,1  
SR4\_RAW\_CTRL,1  
SR4\_RAW\_SENS,1  
SR4\_RC\_CHAN,1  
STAB\_PITCH\_DOWN,2  
STALL\_PREVENTION,1  
STAT\_BOOTCNT,30  
STAT\_FLTTIME,22  
STAT\_RESET,1  
STAT\_RUNTIME,21044  
STEER2SRV\_D,0.005  
STEER2SRV\_DRTFCT,10  
STEER2SRV\_DRTMIN,4500  
STEER2SRV\_DRTSPD,0  
STEER2SRV\_FF,0  
STEER2SRV\_I,0.2  
STEER2SRV\_IMAX,1500  
STEER2SRV\_MINSPD,1

STEER2SRV\_P,1.8  
STEER2SRV\_TCONST,0.75  
STICK\_MIXING,1  
SYSID\_ENFORCE,0  
SYSID\_MYGCS,255  
SYSID\_THISMAV,1  
TECS\_APPR\_SMAX,0  
TECS\_CLMB\_MAX,5  
TECS\_FLARE\_HGT,1  
TECS\_HDEM\_TCONST,3  
TECS\_HGT\_OMEGA,3  
TECS\_INTEG\_GAIN,0.3  
TECS\_LAND\_ARSPD,-1  
TECS\_LAND\_DAMP,0.5  
TECS\_LAND\_IGAIN,0  
TECS\_LAND\_PDAMP,0  
TECS\_LAND\_PMAX,10  
TECS\_LAND\_SINK,0.25  
TECS\_LAND\_SPDWGT,-1  
TECS\_LAND\_SRC,0  
TECS\_LAND\_TCONST,2  
TECS\_LAND\_TDAMP,0  
TECS\_LAND\_THR,-1  
TECS\_OPTIONS,0  
TECS\_PITCH\_MAX,15  
TECS\_PITCH\_MIN,0  
TECS\_PTCH\_DAMP,0.3  
TECS\_PTCH\_FF\_K,0  
TECS\_PTCH\_FF\_V0,12  
TECS\_RLL2THR,10  
TECS\_SINK\_MAX,5  
TECS\_SINK\_MIN,2  
TECS\_SPD\_OMEGA,2  
TECS\_SPDWEIGHT,1  
TECS\_SYNAIRSPEED,0  
TECS\_THR\_DAMP,0.5  
TECS\_TIME\_CONST,5  
TECS\_TKOFF\_IGAIN,0  
TECS\_VERT\_ACC,7  
TELEM\_DELAY,0  
THR\_FAILSAFE,1  
THR\_FS\_VALUE,950  
THR\_MAX,100  
THR\_MIN,0  
THR\_PASS\_STAB,0  
THR\_SLEWRATE,100  
THR\_SUPP\_MAN,0  
THROTTLE\_NUDGE,1  
TKOFF\_ACCEL\_CNT,1  
TKOFF\_ALT,50  
TKOFF\_DIST,200  
TKOFF\_FLAP\_PCNT,0  
TKOFF\_GND\_PITCH,5  
TKOFF\_LVL\_ALT,5

TKOFF\_LVL\_PITCH,15  
TKOFF\_PLIM\_SEC,2  
TKOFF\_ROTATE\_SPD,0  
TKOFF\_TDRAG\_ELEV,0  
TKOFF\_TDRAG\_SPD1,0  
TKOFF\_THR\_DELAY,2  
TKOFF\_THR\_MAX,0  
TKOFF\_THR\_MAX\_T,4  
TKOFF\_THR\_MINACC,0  
TKOFF\_THR\_MINSPD,0  
TKOFF\_THR\_SLEW,0  
TKOFF\_TIMEOUT,0  
TRIM\_THROTTLE,45  
TUNE\_CHAN,0  
TUNE\_CHAN\_MAX,2000  
TUNE\_CHAN\_MIN,1000  
TUNE\_ERR\_THRESH,0.15  
TUNE\_MODE\_REVERT,1  
TUNE\_PARAM,0  
TUNE\_RANGE,2  
TUNE\_SELECTOR,0  
USE\_REV\_THRUST,2  
VTX\_ENABLE,0  
WP\_LOITER\_RAD,60  
WP\_MAX\_RADIUS,0  
WP\_RADIUS,90  
YAW\_RATE\_ENABLE,0  
YAW2SRV\_DAMP,0  
YAW2SRV\_IMAX,1500  
YAW2SRV\_INT,0  
YAW2SRV\_RLL,1  
YAW2SRV\_SLIP,0