

**# DIFF**

**###WARNING: NO CUSTOM DEFAULTS FOUND###**

**# version**

**# Betaflight / STM32F405 (S405) 4.3.1 Jul 13 2022 / 03:32:11 (8d4f005) MSP API: 1.44**

**###ERROR IN diff: NO CONFIG FOUND###**

**# start the command batch**

**batch start**

**board\_name FLYWOOF405**

**manufacturer\_id FLWO**

**# name: FLYWOO**

**# resources**

**resource BEEPER 1 C13**

**resource MOTOR 1 B00**

**resource MOTOR 2 B01**

**resource MOTOR 3 A03**

**resource MOTOR 4 A02**

**resource MOTOR 5 B05**

**resource MOTOR 6 C09**

**resource MOTOR 7 B07**

**resource MOTOR 8 C08**

**resource PPM 1 B08**

**resource LED\_STRIP 1 A09**

**resource SERIAL\_TX 1 B06**

**resource SERIAL\_TX 2 D05**

**resource SERIAL\_TX 3 B10**

**resource SERIAL\_TX 4 A00**

**resource SERIAL\_TX 6 C06**

**resource SERIAL\_RX 1 A10**

**resource SERIAL\_RX 2 D06**

**resource SERIAL\_RX 3 B11**

**resource SERIAL\_RX 4 A01**

**resource SERIAL\_RX 5 D02**

**resource SERIAL\_RX 6 C07**

**resource I2C\_SCL 1 B08**

**resource I2C\_SDA 1 B09**

**resource LED 1 C14**

**resource SPI\_SCK 1 A05**

**resource SPI\_SCK 3 C10**

**resource SPI\_MISO 1 A06**

**resource SPI\_MISO 3 C11**

**resource SPI\_MOSI 1 A07**

**resource SPI\_MOSI 3 C12**

**resource ESCSERIAL 1 B08**

**resource ADC\_BATT 1 C03**

**resource ADC\_RSSI 1 C00**

**resource ADC\_CURR 1 C02**

**resource FLASH\_CS 1 B03**

**resource OSD\_CS 1 B14**

resource GYRO\_EXTI 1 B13  
resource GYRO\_CS 1 B12  
resource USB\_DETECT 1 A08  
# timer  
timer B00 AF2  
# pin B00: TIM3 CH3 (AF2)  
timer B01 AF2  
# pin B01: TIM3 CH4 (AF2)  
timer A03 AF1  
# pin A03: TIM2 CH4 (AF1)  
timer A02 AF1  
# pin A02: TIM2 CH3 (AF1)  
timer B05 AF2  
# pin B05: TIM3 CH2 (AF2)  
timer B07 AF2  
# pin B07: TIM4 CH2 (AF2)  
timer C09 AF3  
# pin C09: TIM8 CH4 (AF3)  
timer C08 AF3  
# pin C08: TIM8 CH3 (AF3)  
timer A09 AF1  
# pin A09: TIM1 CH2 (AF1)  
# dma  
dma ADC 1 0  
# ADC 1: DMA2 Stream 0 Channel 0  
dma pin B00 0  
# pin B00: DMA1 Stream 7 Channel 5  
dma pin B01 0  
# pin B01: DMA1 Stream 2 Channel 5  
dma pin A03 1  
# pin A03: DMA1 Stream 6 Channel 3  
dma pin A02 0  
# pin A02: DMA1 Stream 1 Channel 3  
dma pin B05 0  
# pin B05: DMA1 Stream 5 Channel 5  
dma pin B07 0  
# pin B07: DMA1 Stream 3 Channel 2  
dma pin C09 0  
# pin C09: DMA2 Stream 7 Channel 7  
dma pin C08 0  
# pin C08: DMA2 Stream 2 Channel 0  
dma pin A09 0  
# pin A09: DMA2 Stream 6 Channel 0  
# feature  
feature -RX\_PARALLEL\_PWM  
feature RX\_SERIAL  
feature MOTOR\_STOP  
feature GPS

```
feature LED_STRIP
feature OSD
# serial
serial 2 1 115200 57600 0 115200
serial 4 64 115200 57600 0 115200
serial 5 2 115200 115200 0 115200
# mixer
mmix 0 1.000 -0.809 0.659 -1.000
mmix 1 1.000 -1.000 -0.659 1.000
mmix 2 1.000 0.809 0.659 1.000
mmix 3 1.000 1.000 -0.659 -1.000
# led
led 0 6,6::CO:8
led 1 7,6::CO:8
led 2 8,6::CO:8
led 3 9,6::CO:8
# aux
aux 0 0 1 1375 2100 0 0
aux 1 2 1 1700 2100 0 0
aux 2 46 3 1700 2100 0 0
aux 3 13 0 1700 2100 0 0
# rxfail
rxfail 7 s 2000
# master
set gyro_lpf1_static_hz = 312
set gyro_lpf2_static_hz = 625
set gyro_lpf1_dyn_min_hz = 312
set gyro_lpf1_dyn_max_hz = 625
set acc_calibration = 88,19,8,1
set mag_bustype = I2C
set mag_i2c_device = 1
set mag_hardware = NONE
set baro_bustype = I2C
set baro_i2c_device = 1
set serialrx_provider = SBUS
set blackbox_device = SPIFLASH
set dshot_burst = ON
set dshot_bidir = ON
set motor_pwm_protocol = DSHOT300
set motor_poles = 12
set failsafe_procedure = GPS-RESCUE
set vbat_warning_cell_voltage = 340
set current_meter = ADC
set battery_meter = ADC
set ibata_scale = 170
set beeper_inversion = ON
set beeper_od = OFF
set yaw_motors_reversed = ON
```

set gps\_provider = UBLOX  
set gps\_sbas\_mode = AUTO  
set gps\_auto\_baud = ON  
set gps\_rescue\_min\_sats = 5  
set gps\_rescue\_allow\_arwing\_without\_fix = ON  
set pid\_process\_denom = 4  
set simplified\_gyro\_filter\_multiplier = 125  
set osd\_vbat\_pos = 2305  
set osd\_rssi\_pos = 129  
set osd\_link\_quality\_pos = 2145  
set osd\_rssi\_dbm\_pos = 161  
set osd\_tim\_1\_pos = 2401  
set osd\_tim\_2\_pos = 2369  
set osd\_flymode\_pos = 2241  
set osd\_throttle\_pos = 2361  
set osd\_vtx\_channel\_pos = 2209  
set osd\_current\_pos = 2391  
set osd\_mah\_drawn\_pos = 2273  
set osd\_craft\_name\_pos = 2081  
set osd\_gps\_speed\_pos = 2264  
set osd\_gps\_lon\_pos = 2129  
set osd\_gps\_lat\_pos = 2097  
set osd\_gps\_sats\_pos = 2167  
set osd\_home\_dir\_pos = 2190  
set osd\_home\_dist\_pos = 2200  
set osd\_flight\_dist\_pos = 2232  
set osd\_altitude\_pos = 2327  
set osd\_warnings\_pos = 2441  
set osd\_avg\_cell\_voltage\_pos = 2337  
set osd\_disarmed\_pos = 2411  
set osd\_flip\_arrow\_pos = 2113  
set osd\_core\_temp\_pos = 2296  
set osd\_log\_status\_pos = 97  
set osd\_efficiency\_pos = 231  
set osd\_displayport\_device = MSP  
set system\_hse\_mhz = 8  
set max7456\_spi\_bus = 3  
set displayport\_msp\_serial = 2  
set dashboard\_i2c\_bus = 1  
set pinio\_box = 40,41,255,255  
set flash\_spi\_bus = 3  
set gyro\_1\_bustype = SPI  
set gyro\_1\_spibus = 1  
set gyro\_1\_sensor\_align = CW180FLIP  
set gyro\_1\_align\_pitch = 1800  
set gyro\_1\_align\_yaw = 1800  
set gyro\_2\_spibus = 1  
set name = FLYWOO

```
profile 0
# profile 0
set anti_gravity_gain = 5000
set iterm_relax_cutoff = 20
set p_pitch = 52
set i_pitch = 63
set d_pitch = 68
set f_pitch = 80
set p_roll = 47
set i_roll = 59
set d_roll = 63
set f_roll = 76
set p_yaw = 50
set i_yaw = 63
set f_yaw = 76
set d_min_roll = 41
set d_min_pitch = 45
set simplified_pids_mode = OFF
rateprofile 0
# end the command batch
batch end
#
SAVE
```