

```
# 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 FLYWOOF405S_AIO
manufacturer_id FLWO
# resources
resource BEEPER 1 C13
resource MOTOR 1 A03
resource MOTOR 2 B00
resource MOTOR 3 A02
resource MOTOR 4 B01
resource MOTOR 5 B05
resource MOTOR 6 B07
resource MOTOR 7 C09
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 RSSI\_ADC  
feature LED\_STRIP

## **feature OSD**

### **# serial**

**serial 2 64 115200 57600 0 115200**

**serial 5 1 115200 57600 0 115200**

### **# beacon**

**beacon RX\_SET**

### **# led**

**led 0 8,8::CB:8**

**led 1 9,8::CB:8**

**led 2 10,8::CB:8**

**led 3 11,8::CB:8**

### **# aux**

**aux 0 0 1 1300 2100 0 0**

**aux 1 2 1 1700 2100 0 0**

### **# master**

**set dyn\_notch\_count = 1**

**set dyn\_notch\_q = 500**

**set acc\_calibration = -45,19,-22,1**

**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\_idle\_value = 1200**

**set dshot\_burst = ON**

**set dshot\_bidir = ON**

**set motor\_pwm\_protocol = DSHOT300**

**set motor\_poles = 12**

**set vbat\_max\_cell\_voltage = 435**

**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 pid\_process\_denom = 4**

**set osd\_vbat\_pos = 2337**

**set osd\_link\_quality\_pos = 2145**

**set osd\_tim\_1\_pos = 2423**

**set osd\_tim\_2\_pos = 2391**

**set osd\_throttle\_pos = 2359**

**set osd\_vtx\_channel\_pos = 2177**

**set osd\_current\_pos = 2305**

**set osd\_avg\_cell\_voltage\_pos = 2401**

**set osd\_displayport\_device = MSP**

**set system\_hse\_mhz = 8**

```
set max7456_spi_bus = 3
set displayport_msp_serial = 5
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 = CW270
set gyro_1_align_yaw = 2700
set gyro_2_spibus = 1
profile 0
# profile 0
set p_pitch = 32
set i_pitch = 63
set f_pitch = 80
set p_roll = 29
set i_roll = 59
set d_roll = 42
set f_roll = 76
set p_yaw = 31
set i_yaw = 63
set f_yaw = 76
set d_min_roll = 27
set d_min_pitch = 30
rateprofile 0
# end the command batch
batch end
#
SAVE
```