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# dump
# Betaflight / SPRACINGF3EVO 3.1.7 Apr  3 2017 / 22:28:08 (e1c4b5c)
name a3as
resource BEEPER 1 C15
resource MOTOR 1 A00
resource MOTOR 2 A01
resource MOTOR 3 A06
resource MOTOR 4 A03
resource MOTOR 5 NONE
resource MOTOR 6 A07
resource MOTOR 7 B00
resource MOTOR 8 B01
resource MOTOR 9 B10
resource MOTOR 10 B11
resource MOTOR 11 NONE
resource MOTOR 12 NONE
resource SERVO 1 NONE
resource SERVO 2 NONE
resource SERVO 3 NONE
resource SERVO 4 NONE
resource SERVO 5 NONE
resource SERVO 6 NONE
resource SERVO 7 NONE
resource SERVO 8 NONE
resource PPM 1 A15
resource PWM 1 NONE
resource PWM 2 NONE
resource PWM 3 NONE
resource PWM 4 NONE
resource PWM 5 NONE
resource PWM 6 NONE
resource PWM 7 NONE
resource PWM 8 NONE
resource LED_STRIP 1 A08
resource SERIAL_TX 1 A09
resource SERIAL_TX 2 A14
resource SERIAL_TX 3 B10
resource SERIAL_TX 4 NONE
resource SERIAL_TX 5 NONE
resource SERIAL_TX 6 NONE
resource SERIAL_TX 7 NONE
resource SERIAL_TX 8 NONE
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resource SERIAL_TX 9 NONE
resource SERIAL_TX 10 NONE
resource SERIAL_RX 1 A10
resource SERIAL_RX 2 A15
resource SERIAL_RX 3 B11
resource SERIAL_RX 4 NONE
resource SERIAL_RX 5 NONE
resource SERIAL_RX 6 NONE
resource SERIAL_RX 7 NONE
resource SERIAL_RX 8 NONE
resource SERIAL_RX 9 NONE
resource SERIAL_RX 10 NONE
mixer QUADX

mmix reset

servo 0 1000 2000 1500 90 90 100 -1
servo 1 1000 2000 1500 90 90 100 -1
servo 2 1000 2000 1500 90 90 100 -1
servo 3 1000 2000 1500 90 90 100 -1
servo 4 1000 2000 1500 90 90 100 -1
servo 5 1000 2000 1500 90 90 100 -1
servo 6 1000 2000 1500 90 90 100 -1
servo 7 1000 2000 1500 90 90 100 -1
smix reset

feature -RX_PPM
feature -VBAT
feature -INFLIGHT_ACC_CAL
feature -RX_SERIAL
feature -MOTOR_STOP
feature -SERVO_TILT
feature -SOFTSERIAL
feature -GPS
feature -FAILSAFE
feature -SONAR
feature -TELEMETRY
feature -CURRENT_METER
feature -3D
feature -RX_PARALLEL_PWM
feature -RX_MSP
feature -RSSI_ADC

feature -LED_STRIP
feature -DISPLAY
feature -OSD
feature -BLACKBOX
feature -CHANNEL_FORWARDING
feature -TRANSPONDER
feature -AIRMODE
feature -SDCARD
feature -VTX
feature -RX_SPI
feature -SOFTSPI
feature -ESC_SENSOR
feature -FEATURE_ANTI_GRAVITY
feature RX_PPM
feature VBAT
feature INFLIGHT_ACC_CAL
feature FAILSAFE
feature TELEMETRY
feature CURRENT_METER
feature RSSI_ADC
beeper GYRO_CALIBRATED
beeper RX_LOST
beeper RX_LOST_LANDING
beeper DISARMING
beeper ARMING
beeper ARMING_GPS_FIX
beeper BAT_CRIT_LOW
beeper BAT_LOW
beeper GPS_STATUS
beeper RX_SET
beeper ACC_CALIBRATION
beeper ACC_CALIBRATION_FAIL
beeper READY_BEEP
beeper MULTI_BEEPS
beeper DISARM_REPEAT
beeper ARMED
beeper SYSTEM_INIT
beeper ON_USB
map TAER1234
serial 20 1 115200 57600 0 115200
serial 0 0 115200 57600 0 115200
serial 1 32 115200 57600 0 115200
serial 2 0 115200 57600 0 115200

led 0 0,0::C:0
led 1 0,0::C:0
led 2 0,0::C:0
led 3 0,0::C:0
led 4 0,0::C:0
led 5 0,0::C:0
led 6 0,0::C:0
led 7 0,0::C:0
led 8 0,0::C:0
led 9 0,0::C:0
led 10 0,0::C:0
led 11 0,0::C:0
led 12 0,0::C:0
led 13 0,0::C:0
led 14 0,0::C:0
led 15 0,0::C:0
led 16 0,0::C:0
led 17 0,0::C:0
led 18 0,0::C:0
led 19 0,0::C:0
led 20 0,0::C:0
led 21 0,0::C:0
led 22 0,0::C:0
led 23 0,0::C:0
led 24 0,0::C:0
led 25 0,0::C:0
led 26 0,0::C:0
led 27 0,0::C:0
led 28 0,0::C:0
led 29 0,0::C:0
led 30 0,0::C:0
led 31 0,0::C:0
color 0 0,0,0
color 1 0,255,255
color 2 0,0,255
color 3 30,0,255
color 4 60,0,255
color 5 90,0,255
color 6 120,0,255
color 7 150,0,255
color 8 180,0,255
color 9 210,0,255
color 10 240,0,255

color 11 270,0,255
color 12 300,0,255
color 13 330,0,255
color 14 0,0,0
color 15 0,0,0
mode_color 0 0 1
mode_color 0 1 11
mode_color 0 2 2
mode_color 0 3 13
mode_color 0 4 10
mode_color 0 5 3
mode_color 1 0 5
mode_color 1 1 11
mode_color 1 2 3
mode_color 1 3 13
mode_color 1 4 10
mode_color 1 5 3
mode_color 2 0 10
mode_color 2 1 11
mode_color 2 2 4
mode_color 2 3 13
mode_color 2 4 10
mode_color 2 5 3
mode_color 3 0 8
mode_color 3 1 11
mode_color 3 2 4
mode_color 3 3 13
mode_color 3 4 10
mode_color 3 5 3
mode_color 4 0 7
mode_color 4 1 11
mode_color 4 2 3
mode_color 4 3 13
mode_color 4 4 10
mode_color 4 5 3
mode_color 5 0 9
mode_color 5 1 11
mode_color 5 2 2
mode_color 5 3 13
mode_color 5 4 10
mode_color 5 5 3
mode_color 6 0 6
mode_color 6 1 10

mode_color 6 2 1
mode_color 6 3 0
mode_color 6 4 0
mode_color 6 5 2
mode_color 6 6 3
mode_color 6 7 6
mode_color 6 8 0
mode_color 6 9 0
mode_color 6 10 0
mode_color 7 0 3
aux 0 0 0 1300 1700
aux 1 28 1 1700 2100
aux 2 1 1 900 1300
aux 3 2 1 1300 1700
aux 4 27 2 1300 2100
aux 5 17 3 1700 2100
aux 6 0 0 900 900
aux 7 0 0 900 900
aux 8 0 0 900 900
aux 9 0 0 900 900
aux 10 0 0 900 900
aux 11 0 0 900 900
aux 12 0 0 900 900
aux 13 0 0 900 900
aux 14 0 0 900 900
aux 15 0 0 900 900
aux 16 0 0 900 900
aux 17 0 0 900 900
aux 18 0 0 900 900
aux 19 0 0 900 900
adjrange 0 0 0 900 900 0 0
adjrange 1 0 0 900 900 0 0
adjrange 2 0 0 900 900 0 0
adjrange 3 0 0 900 900 0 0
adjrange 4 0 0 900 900 0 0
adjrange 5 0 0 900 900 0 0
adjrange 6 0 0 900 900 0 0
adjrange 7 0 0 900 900 0 0
adjrange 8 0 0 900 900 0 0
adjrange 9 0 0 900 900 0 0
adjrange 10 0 0 900 900 0 0
adjrange 11 0 0 900 900 0 0
adjrange 12 0 0 900 900 0 0

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adjrange 13 0 0 900 900 0 0
adjrange 14 0 0 900 900 0 0
rxrange 0 1000 2000
rxrange 1 1000 2000
rxrange 2 1000 2000
rxrange 3 1000 2000
rxfail 0 a
rxfail 1 a
rxfail 2 a
rxfail 3 a
rxfail 4 h
rxfail 5 h
rxfail 6 h
rxfail 7 h
rxfail 8 h
rxfail 9 h
rxfail 10 h
rxfail 11 h
rxfail 12 h
rxfail 13 h
rxfail 14 h
rxfail 15 h
rxfail 16 h
rxfail 17 h
set task_statistics = ON
set mid_rc = 1503
set min_check = 1100
set max_check = 1900
set rssi_channel = 0
set rssi_scale = 30
set rc_interp = AUTO
set rc_interp_ch = RP
set rc_interp_int = 19
set rssi_invert = OFF
set input_filtering_mode = OFF
set fpv_mix_degrees = 0
set max_aux_channels = 14
set debug_mode = NONE
set min_throttle = 1050
set max_throttle = 1980
set min_command = 1000
set digital_idle_percent = 4.500
set 3d_deadband_low = 1406
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set 3d_deadband_high = 1514
set 3d_neutral = 1460
set 3d_deadband_throttle = 50
set use_unsynced_pwm = ON
set motor_pwm_protocol = BRUSHED
set motor_pwm_rate = 32000
set disarm_kill_switch = ON
set gyro_cal_on_first_arm = OFF
set auto_disarm_delay = 5
set small_angle = 25
set fixedwing_althold_dir = 1
set reboot_character = 82
set serial_update_rate_hz = 100
set gps_provider = NMEA
set gps_sbas_mode = AUTO
set gps_auto_config = ON
set gps_auto_baud = OFF
set gps_wp_radius = 200
set nav_controls_heading = ON
set nav_speed_min = 100
set nav_speed_max = 300
set nav_slew_rate = 30
set beeper_inversion = ON
set beeper_od = OFF
set serialrx_provider = SPEK1024
set sbus_inversion = ON
set spektrum_sat_bind = 0
set spektrum_sat_bind_autorst = 1
set tlm_switch = OFF
set tlm_inversion = ON
set sport_halfduplex = ON
set frsky_default_lat = 0.000
set frsky_default_long = 0.000
set frsky_gps_format = 0
set frsky_unit = IMPERIAL
set frsky_vfas_precision = 0
set frsky_vfas_cell_voltage = OFF
set hott_alarm_int = 5
set pid_in_tlm = OFF
set bat_capacity = 0
set vbat_scale = 110
set vbat_max_cell_voltage = 43
set vbat_min_cell_voltage = 33

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set vbat_warning_cell_voltage = 35
set vbat_hysteresis = 1
set ibat_scale = 100
set ibat_offset = 0
set mwii_ibat_output = OFF
set current_meter_type = ADC
set battery_meter_type = ADC
set bat_detect_thresh = 55
set use_vbat_alerts = ON
set use_cbat_alerts = OFF
set cbat_alert_percent = 10
set align_gyro = DEFAULT
set align_acc = DEFAULT
set align_mag = DEFAULT
set align_board_roll = 0
set align_board_pitch = 0
set align_board_yaw = 0
set gyro_lpf = OFF
set gyro_sync_denom = 1
set gyro_isr_update = OFF
set gyro_use_32khz = OFF
set gyro_lowpass_type = PT1
set gyro_lowpass = 90
set gyro_notch1_hz = 400
set gyro_notch1_cut = 300
set gyro_notch2_hz = 200
set gyro_notch2_cut = 100
set moron_threshold = 48
set imu_dcm_kp = 2500
set imu_dcm_ki = 0
set alt_hold_deadband = 40
set alt_hold_fast_change = ON
set deadband = 10
set yaw_deadband = 10
set thr_corr_value = 0
set thr_corr_angle = 800
set yaw_control_direction = 1
set yaw_motor_direction = 1
set servo_center_pulse = 1500
set tri_unarmed_servo = ON
set servo_lowpass_hz = 400
set servo_lowpass = OFF
set servo_pwm_rate = 50
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set gimbal_mode = NORMAL
set channel_forwarding_start = 4
set airmode_start_throttle = 1350
set failsafe_delay = 10
set failsafe_off_delay = 10
set failsafe_throttle = 1000
set failsafe_kill_switch = OFF
set failsafe_throttle_low_delay = 100
set failsafe_procedure = DROP
set rx_min_usec = 885
set rx_max_usec = 2115
set acc_hardware = AUTO
set acc_lpf_hz = 10
set accxy_deadband = 40
set accz_deadband = 40
set acc_unarmedcal = ON
set acc_trim_pitch = -4
set acc_trim_roll = 4
set baro_tab_size = 21
set baro_noise_lpf = 0.600
set baro_cf_vel = 0.985
set baro_cf_alt = 0.965
set baro_hardware = NONE
set mag_hardware = NONE
set mag_declination = 0
set pid_process_denom = 1
set blackbox_rate_num = 1
set blackbox_rate_denom = 1
set blackbox_device = SDCARD
set blackbox_on_motor_test = OFF
set magzero_x = 0
set magzero_y = 0
set magzero_z = 0
set ledstrip_visual_beeper = OFF
set sdcard_dma = OFF
set displayport_msp_col_adjust = 0
set displayport_msp_row_adjust = 0
profile 0

set gps_pos_p = 15
set gps_pos_i = 0
set gps_pos_d = 0
set gps_posr_p = 34

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set gps_posr_i = 14
set gps_posr_d = 53
set gps_nav_p = 25
set gps_nav_i = 33
set gps_nav_d = 83
set pidsum_limit = 0.500
set pidsum_limit_yaw = 0.500
set d_lowpass_type = PT1
set d_lowpass = 100
set d_notch_hz = 260
set d_notch_cut = 160
set vbat_pid_gain = OFF
set pid_at_min_throttle = ON
set anti_gravity_thresh = 350
set anti_gravity_gain = 3.000
set setpoint_relax_ratio = 100
set d_setpoint_weight = 60
set yaw_accel_limit = 10.000
set accel_limit = 0.000
set itemp_windup = 50
set yaw_lowpass = 0
set p_pitch = 100
set i_pitch = 120
set d_pitch = 5
set p_roll = 100
set i_roll = 120
set d_roll = 5
set p_yaw = 100
set i_yaw = 120
set d_yaw = 20
set p_alt = 50
set i_alt = 0
set d_alt = 0
set p_level = 50
set i_level = 50
set d_level = 100
set p_vel = 55
set i_vel = 55
set d_vel = 75
set level_sensitivity = 50
set level_limit = 30
rateprofile 0
rateprofile 0
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set rc_rate = 80
set rc_rate_yaw = 78
set rc_expo = 20
set rc_yaw_expo = 10
set thr_mid = 30
set thr_expo = 40
set roll_srate = 87
set pitch_srate = 87
set yaw_srate = 87
set tpa_rate = 50
set tpa_breakpoint = 1950
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