

Overview of the stored values V4

Group	Column	Meaning	Unit
Euler angles	Time	Time	1 s
	Phi	Bank angle	1 rad
	Theta	Pitch angle	1 rad
	Psi	Yaw angle	1 rad
Rotation rates	p	Roll rate	1 rad s ⁻¹
	q	Pitch rate	1 rad s ⁻¹
	r	Yaw rate	1 rad s ⁻¹
Acceleration	acc_x	Acceleration in x	1 m s ⁻²
	acc_y	Acceleration in y	1 m s ⁻²
	acc_z	Acceleration in z	1 m s ⁻²
Magnetic	magn_x	Magnetic induction in x	1 kg A ⁻¹ s ⁻²
	magn_y	Magnetic induction in y	1 kg A ⁻¹ s ⁻²
	magn_z	Magnetic induction in z	1 kg A ⁻¹ s ⁻²
Airspeed	ias	Indicated airspeed	1 m s ⁻¹
	tas	True airspeed	1 m s ⁻¹
Barometer	static_press	Static pressure	1 kg m ⁻¹ s ⁻²
	baro_alt	Barometric altitude	1 m
Quaternions	q0	Quaternion q0	1
	q1	Quaternion q1	1
	q2	Quaternion q2	1
	q3	Quaternion q3	1
GPS	lat	Latitudinal coordinate	1°
	lon	Longitudinal coordinate	1°
	alt_msl	Altitude above sea level	1 m
	course	GPS course	1 rad
	gs	GPS ground speed	1 m s ⁻¹
	vs	GPS vertical speed	1 m s ⁻¹
Battery	discharged	Battery discharged	1 mA h
	remaining	Battery remaining	1 %
Actuators	v_tail_r	V-tail right deflection	1 rad
	v_tail_l	V-tail left deflection	1 rad
	aileron	Aileron deflection	1 rad
	thrust	Thrust	1
Controller	Controller Status	Controller (0 - off, 1 - on)	1

Group	Column	Meaning	Unit
Logdata	log_data_1	Aileron command	1 rad
	log_data_2	Bank angle command	1 rad
	log_data_3	Roll rate command	1 rad s ⁻¹
	log_data_4	Roll rate input	1 rad s ⁻¹
	log_data_5	K_PhiP	1
	log_data_6	K_PhiI	1
	log_data_7	K_xip	1
	log_data_8	Tp	1 s
	log_data_9	Phimax	1 rad
	log_data_10	K_Phi	1
	log_data_11	T_rHP	1 s
	log_data_12	T_rTP	1 s
	log_data_13	K_zeta_r	1
	log_data_14	K_zeta_xi	1
	log_data_15	K_xi_zeta	1
	log_data_16 - log_data_20	Log data	—

Overview of the control inputs

