Data ID	Description	Unit	Offset Bits	Comments
		Offit	Oliset Bits	
800	GPS LATLNG (1Hz)			Alternating transmission of latitude and longitude
	Latitude	degrees	0	32
	Longitude	degrees	0	32
5000	Text messages			32 Sending 4 characters at a time
	severity	N/A		Seventy on MSB of the last three bytes of the last chunk ((bit32.extract(VALUE,7,1)*1) + (bit32.extract(VALUE,15,1)*2) + (bit32.extract(VALUE,23,1)*4))
		N/A	0	
	text	N/A	U	32 MSB of each character is ignored, we use 7 bit ASCII
5001	AP STATUS (2Hz)			
	Flight mode	N/A	0	5
	Simple & supersimple	N/A	5	2
	Land_complete flag	N/A	7	1
	Armed flag	N/A	8	1
	Battery failsafe flag	N/A	9	
	EKF Failsafe	N/A	10	2
	failsafe	N/A	12	1
	Fence enabled	N/A	13	1
	Fence breach	N/A	14	1
	FREE	1671	15	
	Throttle			
		%	19	
	IMU Temp	deg C	26	6 0 means temp =< 19°, 63 means temp => 82°
5002	GPS STATUS (1Hz)			
	Num sats	# of sats	0	4 Limit to 15 max
	GPS fix	N/A	4	2 NO_GPS = 0, NO_FIX = 1, GPS_OK_FIX_2D = 2, GPS_OK_FIX_3D or GPS_OK_FIX_3D_DGPS or GPS_OK_FIX_3D_RTK_FLOAT OR GPS_OK_FIX_3D_TRK_FLOAT OR GPS_OK_FIX_3D_TRK_
		10^x	6	
-				
	Horizontal dilution of precision	decimeters	7	
	GPS extended status fix	N/A	14	2 0: no advanced fix, 1: GPS_OK_FIX_3D_DGPS, 2: GPS_OK_FIX_3D_RTK_FLOAT, 3: GPS_OK_FIX_3D_RTK_FIXED
	FREE		16	
		10^x	22	2
		decimeters	24	7
l	Altitude MSL			
		sign	31	1
5003	BATT 1 (1Hz)			
	Batt voltage	deci Volts (Vx10)	0	9
		10^x	9	1
	Current draw	deci Amps (Ax10)	10	7
	Total current draw since start-up	mAh	17	15 limit to 32767 (0x7FFF) since value is stored on 15 bits
		man	17	15 limit to 32/07 (0X7FFF) since value is stored on 15 bits
5004	HOME (2Hz)			
		10^x	0	2
	Distance between home loc and copter	meters	2	10
		10^x	12	2
		decimeters	14	10
				10
	Altitude between home loc and copter	sign	24	1
	Angle from front of vehicle to the direction of home	3 degrees	25	7
	VELANDYAW (2Hz)			
5005	VELAND IAW (202)			
5005	VELAND TAVV (2FIZ)	10^x	0	1
5005	VELANDTAVV (202)	10^x		1
5005		decimeters/s	1	1 7
5005	Vertical velocity	decimeters/s sign	1 8	1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5005	Vertical velocity	decimeters/s sign 10^x	1 8 9	1 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
5005		decimeters/s sign	1 8	1
\$005	Vertical velocity Horizontal velocity	decimeters/s sign 10^x decimeters/s	1 8 9	1
	Vertical velocity Horizontal velocity Yaw	decimeters/s sign 10^x	1 8 9	1 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz)	decimeters/s sign 10^x decimeters/s .2 degrees	1 8 9 10	
	Vertical velocity Horizontal velocity Yaw ATTIANDRING (Max Hz) Rol	decimeters/s sign 10^x decimeters/s .2 degrees	1 8 9 10 17	11
	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz)	decimeters/s sign 10"x decimeters/s 2 degrees 2 degrees 2 degrees	1 8 9 10 17	
	Vertical velocity Horizontal velocity Yaw ATTIANDRING (Max Hz) Rol	decimeters/s sign 10^x decimeters/s .2 degrees	1 8 9 10 17	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance	decimeters/s sign 10"x decimeters/s 2 degrees 2 degrees 2 degrees	1 8 9 10 17	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 2 degrees 10°x centimeters	1 8 9 10 17	11 10 1 1 10
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent & each at init)	decimeters/s sign 10^x decimeters/s 2 degrees 2 degrees 2 degrees 10^x centimeters N/A	1 8 9 10 17 0 11 21 22	11 10 1 1 10
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAY TYPE	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters NA NA	1 8 9 10 17 0 11 21 22	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. batter 1 pack capacity	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters NA NA mAh	1 8 9 10 17 0 11 21 22 0 8	11 10 10 10 10 10 10 10 10 10 10 10 10 1
5006	Vertical velocity Horizontal velocity Yaw ATITANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 4. battery 2 pack capacity	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters N/A N/A mAh mAh	1 8 9 10 17 7 7 17 17 21 22 2	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1.MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters NA NA mAh	1 8 9 10 17 0 11 21 22 0 8	11 10 10 10 10 10 10 10 10 10 10 10 10 1
5006	Vertical velocity Horizontal velocity Yaw ATITANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 4. battery 2 pack capacity	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters N/A N/A mAh mAh	1 8 9 10 17 7 7 17 17 21 22 2	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz)	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters/s 10°x centimeters/s N/A N/A MA MA h btmask	1 8 9 110 177 0 111 221 222 0 8 8 8 8 8	11 10 10 10 10 10 10 10 10 10 10 10 10 1
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1.MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees N/A N/A mAh bitmask deci Volts (Vx10)	1 8 9 10 10 177 0 11 1 21 22 0 8 8 8 8 8 0 0	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance RARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (IHz) Batt voltage	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters N/A N/A N/A m/Ah bitmask deci Volts (Vx10) 10°x	1 8 9 9 10 17 7 0 111 221 22 0 8 8 8 8 8 9 9	11 10 10 10 10 10 10 10 10 10 10 10 10 1
5006	Vertical velocity Horizontal velocity Yaw ATITANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (1Hz) Batt voltage Current draw	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters 10°x centimeters N/A N/A MA	1 8 8 9 10 10 17 17 21 22 22 0 8 8 8 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1.MAY_TYPE 2. battery 1 pack capacity 5. capabitities BATT 2 (1Hz) Batt voltage Current draw Total current draw since start-up	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters N/A N/A N/A m/Ah bitmask deci Volts (Vx10) 10°x	1 8 9 9 10 17 7 0 111 21 22 2 0 8 8 8 8 9 9	11
5006	Vertical velocity Horizontal velocity Yaw ATITANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (1Hz) Batt voltage Current draw	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters 10°x centimeters N/A N/A MA	1 8 8 9 10 10 17 17 21 22 22 0 8 8 8 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	11
5006	Vertical velocity Horizontal velocity Yaw ATTANDRNG (Max Hz) Roll Plich Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters 10°x centimeters N/A N/A MA	1 8 8 9 10 17 17 11 22 2 2 2 8 8 8 8 8 9 9 10 17 17 17 17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1.MAY_TYPE 2. battery 1 pack capacity 5. capabitities BATT 2 (1Hz) Batt voltage Current draw Total current draw since start-up	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x N/A NA MAh MAh MAh MAh MAh MAh MAh MAh MAh MA	1 8 8 9 10 177 0 0 111 221 22 2 2 8 8 8 9 9 10 177 177 177 177 177 177 177 177 177	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters N/A N/A N/A N/A M/A m/Ah bitmask deci Volts (Vx10) 10°x deci Amps (Ax10) m/Ah	1 8 9 10 17 17 11 21 22 2 8 8 8 8 9 10 17 17 10 10 10 10	11
5006	Vertical velocity Horizontal velocity Yaw ATTANDRNG (Max Hz) Roll Plich Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees 10°x N/A NA MA h bitmask deci Volts (Vx10) 10°x deci Amps (Ax10) mAh	1 8 9 10 17 17 0 0 110 17 17 10 10 10 10 112	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees 10°x N/A mAh mAh mAh mAh mAh mAh mAh mAh mAh 10°x deci Volts (Vx10) 10°x deci Amps (Ax10) mAh 10°x meters 10°x	1 8 8 9 10 17 7 17 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11
5006	Vertical velocity Horizontal velocity Yaw ATITANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees 10°x N/A NA MA h bitmask deci Volts (Vx10) 10°x deci Amps (Ax10) mAh	1 8 8 9 100 177 111 221 22 22 33	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees 10°x N/A mAh mAh mAh mAh mAh mAh mAh mAh mAh 10°x deci Volts (Vx10) 10°x deci Amps (Ax10) mAh 10°x meters 10°x	1 8 8 9 10 17 7 17 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11
5006	Vertical velocity Horizontal velocity Yaw ATITANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters N/A N/A N/A MAh hbitmask deci Volts (Vx10) 10°x deci Amps (Ax10) mAh 10°x meters 10°x meters	1 8 8 9 100 177 111 221 22 22 33	11
5006	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Plach Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FREE	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 2 degrees 10°x centimeters N/A N/A N/A MA mAh bitmask deci Volts (Vx10) 10°x deci Amps (Ax10) mAh 10°x meters 10°x	1 8 8 9 10 17 17 11 12 12 22 13 22 23 27 28 8	11
5006 5007 5008	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (1Hz) BATT 2 (1Hz) BATT voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FIEEE Waypoint bearing	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters N/A N/A N/A MAh hbitmask deci Volts (Vx10) 10°x deci Amps (Ax10) mAh 10°x meters 10°x meters	1 8 8 9 10 177 0 111 221 22 23 22 23 27	11
5008 5008	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FREE Waypoint bearing	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees 10°x N/A mAh mAh mAh mAh mAh mAh mAh 10°x deci Volts (Vx10) 10°x deci Amps (Ax10) mAh 10°x meters sign 45° sectors from COG	1 8 8 9 10 177 177 177 177 177 177 177 177 177	11
5008 5008	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (1Hz) BATT 2 (1Hz) BATT voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FIEEE Waypoint bearing	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 2 degrees 10°x centimeters N/A N/A N/A MA mAh bitmask deci Volts (Vx10) 10°x deci Amps (Ax10) mAh 10°x meters 10°x	1 8 8 9 10 17 17 11 12 12 22 13 22 23 27 28 8	11
5006 5007 5008 5008	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 5. capabilities BATT 2 (IHz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FREE Waypoint bearing FREM 2Hz rpm1 rpm2 rpm2	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees 10°x N/A mAh mAh mAh mAh mAh mAh mAh 10°x deci Volts (Vx10) 10°x deci Amps (Ax10) mAh 10°x meters sign 45° sectors from COG	1 8 8 9 10 177 177 177 177 177 177 177 177 177	11
5006 5007 5008 5008	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 5. capabilities BATT 2 (IHz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FREE Waypoint bearing FREM 2Hz rpm1 rpm2 rpm2	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x N/A N/A N/A N/A MAh bitmask deci Volts (Vx10) 10°x decimeters 10°x meters	1 8 8 9 10 177 0 0 11 22 22 27 28 29 0 0	11 10 10 11 10 18 Reserve first 8 bits for param ID 8 Reserve first 8 bits for param ID 9 14 24 24 19 11 10 10 10 10 10 10 10 10 10 10 10 10
5006 5007 5008 5008	Vertical velocity Horizontal velocity Yaw ATITANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) Batt voltage Current draw Total current draw ince start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FEREE Waypoint bearing RFM 2Hz Varypoint bearing RFM 2Hz	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x centimeters 10°x NA NA NA MA bitmask deci Volts (Vx10) 10°x deci Amps (Ax10) mAh 10°x meters sign 10°x meters sign 45° sectors from COG	1 8 8 9 10 17 17 22 2 3 3 27 28 29 0 16 16	11
5006 5007 5008 5008	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 5. capabilities BATT 2 (IHz) Batt voltage Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FREE Waypoint bearing FREM 2Hz rpm1 rpm2 rpm2	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x N/A MAh MAh MAh MAh MAh MAh MAh MAh MAh MA	1 8 8 9 10 177 0 0 111 221 22 23 27 28 8 9 16 16 0 0 0	11
5006 5007 5008 5008	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) BATT 2 (Hz) BATT 2 (Hz) BATT 2 (Hz) Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FIEEE Waypoint bearing RPM 2Hz rpmt rpmz TERRAIN DATA 2Hz	decimeters/s sign 10°x decimeters/s 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees 10°x N/A	1 8 8 9 10 177 177 177 177 177 177 177 177 177	11 10 10 11 10 18 Reserve first 8 bits for param ID 8 Reserve first 8 bits for param ID 9 14 24 24 19 11 10 10 10 10 10 10 10 10 10 10 10 10
5006 5007 5008 5008	Vertical velocity Horizontal velocity Yaw ATITANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (1Hz) Batt voltage Current draw since start-up CURRENT WAPIONIT NIFO 1Hz Current waypoint number Waypoint distance Crosstrack error FREE Waypoint bearing RPM 2Hz Terrani Data 2Hz Vehicle height above terrain	decimeters/s sign 10°x decimeters/s 2 degrees 2 degrees 10°x N/A MAh MAh MAh MAh MAh MAh MAh MAh MAh MA	1 8 8 9 10 177 0 111 211 222 23 27 28 29 0 16 0 2 2 12 22 22 23 27 28 29 10 16 10 12 12 12 12 12 12 12 12 12 12 12 12 12	11
5006 5007 5008 5008	Vertical velocity Horizontal velocity Yaw ATTIANDRNG (Max Hz) Roll Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (Hz) BATT 2 (Hz) BATT 2 (Hz) BATT 2 (Hz) Current draw Total current draw since start-up CURRENT WAYPOINT INFO 1Hz Current waypoint number Waypoint distance Crosstrack error FIEEE Waypoint bearing RPM 2Hz rpmt rpmz TERRAIN DATA 2Hz	decimeters/s sign 10°x decimeters/s 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees 10°x N/A	1 8 8 9 10 177 177 177 177 177 177 177 177 177	11
5006 5007 5008 5008	Vertical velocity Horizontal velocity Yaw ATITANDRNG (Max Hz) Rol Pitch Rangefinder distance PARAMS (sent 3x each at init) 1. MAV_TYPE 2. battery 1 pack capacity 4. battery 2 pack capacity 5. capabilities BATT 2 (1Hz) Batt voltage Current draw since start-up CURRENT WAPIONIT NIFO 1Hz Current waypoint number Waypoint distance Crosstrack error FREE Waypoint bearing RPM 2Hz Terrani Data 2Hz Vehicle height above terrain	decimeters/s sign 10°x decimeters/s 10°x decimeters/s 2 degrees 2 degrees 10°x 2 degrees 10°x N/A	1 8 8 9 10 177 0 111 211 222 23 27 28 29 0 16 0 2 2 12 22 22 23 27 28 29 10 16 10 12 12 12 12 12 12 12 12 12 12 12 12 12	11