PGNs	230	234	235	254	32613	32614	32616	32618	32619
	VR data to RC from AGIO	section status to AOG from RC	section widths from AOG	AutoSteer Data to RC from AGIO	rate applied from arduino to RC	settings to arduino from RC	PID to arduino from RC	Switch Positions to RC from switch box	Wemos D1 mini switches
0	128	128	128	128	101	102	104	106	107
1	129	129	129	129	127	127	127	127	127
2	source	source	source	source	rate sensor ID low 4 bits, arduino ID high 4 bits	rate sensor ID low 4 bits, arduino ID high 4 bits	rate sensor ID low 4 bits, arduino ID high 4 bits	auto, Mstr On, Mstr Off,Rate Up, Rate Down	Master On
3	AGIO PGN 0xE6 (230)	AGIO PGN 0xEA (234)	AGIO PGN 0xEB (235)	AGIO PGN 0xFE (254)	rate applied Lo, 10 X actual	relay Lo, 0-7	Kp	sw0, sw1, sw2, sw3, sw4, sw5, sw6, sw7	sw0, sw1, sw2, sw3, sw4, sw5, sw6, sw7
4	length	length	length	length	rate applied Mid	relay Hi, 8-15	MinPWM	sw8, sw9, sw10, sw11, sw12, sw13, sw14, sw15	sw8, sw9, sw10, sw11, sw12, sw13, sw14, sw15
5	rate 0 Lo	Main	bytes 5-36 sections 0-15	speed Lo - kmh X 10	rate applied Hi	rate set Lo, 10 X actual	LowMax	CRC	CRC
6	rate 0 Hi	-	2 bytes per section, width in cm	speed Hi	acc. Quantity Lo, 10 X actual	rate set Mid	HighMax		
7	rate 1 Lo	-	byte 37 # of sections	status	acc. Quantity Mid	rate set Hi	Deadband		
8	rate 1 Hi	Number of sections	byte 38 CRC	steer angle Lo	acc. Quantity Hi	flow Cal Lo	BrakePoint		
9	rate 2 Lo	On Group 0		steer angle Hi	PWM Lo	flow Cal Hi, 100 X actual	TimedAdjustment		
10	rate 2 Hi	Off Group 0		-	PWM Hi	Commands	Ki		
11	rate 3 Lo	On Group 1		Relay Lo	Status byte	power relay Lo, 0-7	CRC		
12	rate 3 Hi	Off Group 1		Relay Hi	CRC	power relay Hi, 8-15			
13	rate 4 Lo	CRC		CRC	**byte 11**	CRC			
14	rate 4 Hi				bit 0, sensor 0 connected	**byte 10**			
15	CRC				bit 1, sensor 1 connected	bit 0, reset acc. Quantity			
16						bit 1/2, control type 0-3			
						bit 3, simulate flow			
						bit 4, pulses to measure			
						bit 5, Auto On			
						bit 6, Debug On			

PGNs	32621	32622	32623	32624	32625	32626	32627	32628	32500
	pressures to RC from arduino	Teensy Config	Teensy Config 2	Teensy Pins	Nano Config	Nano Pins	Switchbox Pins	Wemos D1 Mini analog read	Teensy RC, receive config
0	109	110	111	112	113	114	115	116	244
1	127	127	127	127	127	127	127	127	126
2	arduino ID	Receiver, 0 none, 1 SimpleRTK2B, 2 Sparkfun	Minimum speed	Steer DIR	ModuleID	Flow1	Auto	AIN0 Lo	ID
3	sensor 0, Lo	NMEA serial port	Maximum speed	Steer PWM	SensorCount	Flow2	Master On	AIN0 Hi	SensorCount
4	sensor 0, Hi	RTCM serial port	Pulse Cal X 10, Lo	Steer switch	IP address	Dir1	Master Off	AIN1 Lo	IPpart3
5	sensor 1, Lo	RTCM UDP port #, Lo	pulse Cal X 10, HI	Wheel angle sensor	Commands	Dir2	Rate Up	AIN1 Hi	Relay On Signal
6	sensor 1, Hi	RTCM UDP port #, Hi	Analog Method	Steer relay	CRC	PWM1	Rate Down	AIN2 Lo	Flow On Direction
7	sensor 2, Lo	IMU, 0 none, 1 Sparkfun, 2 CMPS14, 3 Adafruit, 4 serial	RS485 port number	Work switch	**Byte 5:**	PWM2	IP address	AIN2 Hi	Relay Control Type 0-5
8	sensor 2, Hi	IMU read delay	Module ID	Current sensor	UseMCP23017	Relay Pins 0-15, bytes 8-24	switches 0-15, bytes 8-24	AIN3 Lo	Wemos Serial Port
9	sensor 3, Lo	IMU report interval	Commands	Pressure sensor	Relay on signal	byte 25, CRC	byte 25, CRC	AIN3 Hi	Sensor 0, Flow pin
10	sensor 3, Hi	WAS zero offset, Lo	CRC	Encoder	flow on signal			CRC	Sensor 0, Dir pin
11	CRC	WAS zero offset, Hi	**Byte 9:**	Rate DIR					Sensor 0, PWM pin
12		RelayControl	bit 0, Use rate control	Rate PWM					Sensor 1, Flow pin
13		IP address	bit 1, use TB6612	Speed pulse					Sensor 1, Dir pin
14		CRC	bit 2, Relay on signal	RS485 send enable					Sensor 1, PWM pin
15			bit 3, flow on signal	CRC					Relay Pins 0-15, bytes 15-30
16			bit 4, Swap pitch for roll						byte 31, CRC
			bit 5, Invert roll						
			bit 6, GyroOn						
			bit 7, Use Actuator						