

Parameter	Source	Sample Rate	Derived Parameter	Saved Parameters
Time	GPS	100 Hz		Time
Pitch Angle	AHRS	100 Hz		* Pitch Angle
Roll Angle	AHRS	100 Hz		* Roll Angle
Yaw Angle (heading)	AHRS	100 Hz		* Yaw Angle (heading)
Pitch Rate	AHRS	100 Hz		Pitch Rate
Roll Rate	AHRS	100 Hz		Roll Rate
Yaw Rate	AHRS	100 Hz		Yaw Rate
Normal Accel	AHRS	100 Hz		Normal Accel
Lateral Accel	AHRS	100 Hz		Lateral Accel
Longitudinal Accel	AHRS	100 Hz		Longitudinal Accel
Total Pressure	Press Xducer	20 Hz	Airspeed	* Airspeed
Static Pressure	Press Xducer	20 Hz	Altitude	* Altitude
OAT (outside air temp.)	Thermocouple	20 Hz		OAT
Latitude	GPS	20 Hz		Latitude
Longitude	GPS	20 Hz		Longitude
North Velocity	GPS	20 Hz		North Velocity
East Velocity	GPS	20 Hz		East Velocity
Down Velocity	GPS	20 Hz		Down Velocity
Eng. RPM	Elec. Ignition	20 Hz		* Eng. RPM
Thrust	Load Cell	20 Hz		Thrust
Eng. Torque	Load Cell	20 Hz		* Eng. Torque
Lt Aileron Force	Load Cell?	100 Hz		Lt Aileron Force
Rt Aileron Force	Load Cell?	100 Hz		Rt Aileron Force
Lt Aileron Position	Servo	100 Hz		Lt Aileron Position
Rt Aileron Position	Servo	100 Hz		Rt Aileron Position
Lt Elevator Force	Load Cell?	100 Hz	Elevator Force	Elevator Force
Rt Elevator Force	Load Cell?	100 Hz		
Lt Elevator Position	Servo	100 Hz	Elevator Position	Elevator Position
Rt Elevator Position	Servo	100 Hz		
Rudder Force	Load Cell?	100 Hz		Rudder Force
Rudder Position	Servo	100 Hz		Rudder Position
Lt Flap Force	Load Cell?	20Hz	Flap Force	Flap Force
Rt Flap Force	Load Cell?	20Hz		
Lt Flap Position	Servo	20Hz	Flap Position	* Flap Position
Rt Flap Position	Servo	20Hz		

* Note: These parameters must be displayed real-time on the ground station. A reduced sample rate for real-time display is acceptable.