

How To Check GPS System Health on Sherpa:

- 1. Ensure your Sherpa & controller are powered up, both GPS arms are extended, drone is outdoors with a clear view of the sky and Auterion Mission Control is open.
- 2. From the Auterion main screen, rapidly press on the black arrow in the top left corner until the Advanced mode window pops up, then press on "Switch to Advanced".



3. Press once on the arrow again in the top left corner, now it will be white w/ a black outline, scroll down on the left menu and then select "Analyze".





4. Then select "MAVLink Inspector".

Vehicle Ready	Position - Disarmed •			59%	58%
E Log Download					
> MAVLink Console	1 ALTITUDE	10.1Hz	Message: Component:	MISSIO 1	N_CURRE
MAVLink Inspector	1 ATTITUDE	20.1Hz	Count:	14	
	1 ATTITUDE_TARGET	2.0Hz	Name	Value	Туре
			seq	0	uint16
	1 BATTERY_STATUS	0.8Hz	total	65535	uint16
4.	192 CELLULAR_STATUS	1.0Hz	mission_state	0	uint8_
Pro-			mission_mode	0	uint8_
	1 CURRENT_EVENT_SEQUENCE	0.2Hz	mission_id	0	uint32
· · ·	1 CURRENT_MODE	0.8Hz	fence_id	0	uint32
	1 DISTANCE_SENSOR	10.1Hz	rally_points_id	0	uint32
			0		

5. In the middle column of the screen, find and select "GPS2\_RAW". "Fix Type" should be 3 or higher, and "Count" should be any number and increasing in value. Take a photo of the screen.

Vehicle Ready	Position   Disarmed			58% <b>58%</b>
> MAVLink Console	1 CURRENT_MODE	0.8Hz	Message: Component:	GPS2_RAW (124) 1
MAVLink Inspector	1 DISTANCE_SENSOR	10.0Hz	Count:	128
	1 ESTIMATOR_STATUS	e 1.0Hz	Name	Value Type
	1 EXTENDED_SYS_STATE	1.0Hz	time_usec	2600722 uint64
			fix_type	4 uint8_
F.*	T , GLOBAL_POSITION_INT	10.0Hz	lat	3530914 int32_
	1 GPS2_RAW	5.0Hz	lon	-8085470 int32_
	1 GPS_RAW_INT	5.047	alt	253301 int32_
		5.012	eph	66 uint16
	190 HEARTBEAT	2.0Hz	epv	111 uint16
and the second s		-		



6. Change Then, find "GPS\_RAW\_INT". The "Fix Type" should be 6 or higher, and "Count" should be any number and increasing in value. Take a photo of the screen.

Vehicle Ready	Position   Disarmed	2		58% <b>58%</b>
Log Download				
> MAVLink Console	1 CURRENT_MODE	0.2Hz M	lessage:	GPS_RAW_INT (2
MAVLink Inspector	1 DISTANCE_SENSOR	10.0Hz Co	ount:	212
	1 ESTIMATOR_STATUS	1.0Hz Na	ame	Value Type
	1 EVENT	0.1Hz	me_usec	2768905 uint64
		fix	⊂type	6 uint8_
1. ·	, EXTENDED_SYS_STATE	1.0Hz lat	t	3530913 int32_
ar ge	1 GLOBAL_POSITION_INT	9.9Hz lor	n	-8085472 int32_
	1 GPS2 RAW	alt	t	252406 int32_
	, OF SZ_NAW,	5.0Hz ep	h	69 uint16
	1 GPS_RAW_INT	5.0Hz ep	W	111 uint16
and the second sec				

You can now rapidly press the arrow in the top left and set back to "normal" mode. Then exit the app. Please send both photos to <a href="mailto:support@lucidbots.com">support@lucidbots.com</a>