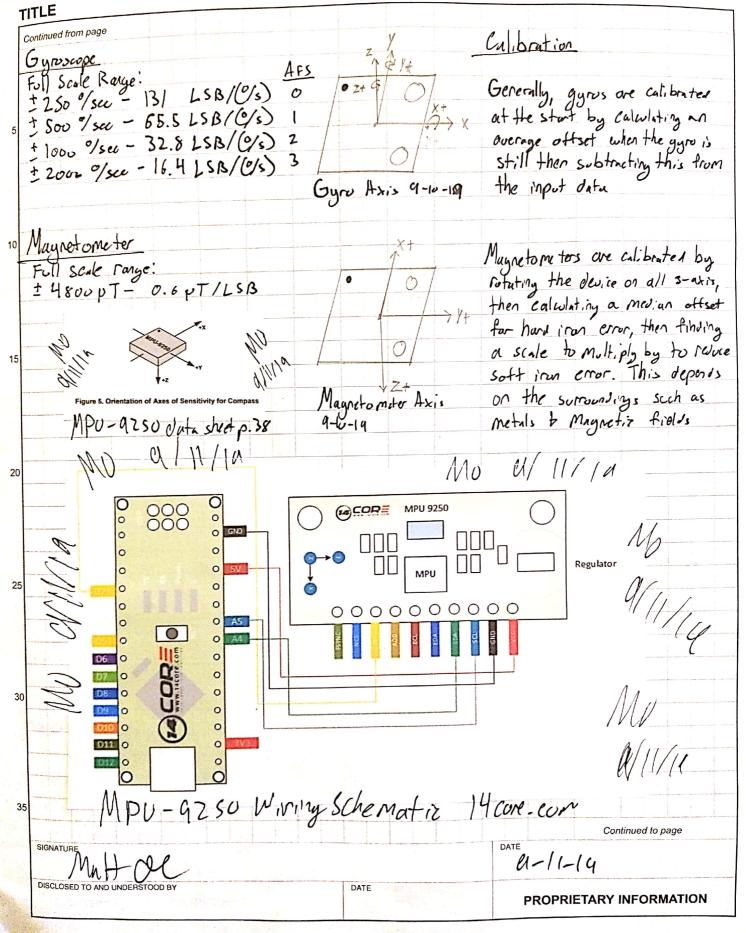
TITLE

**PROJECT** 

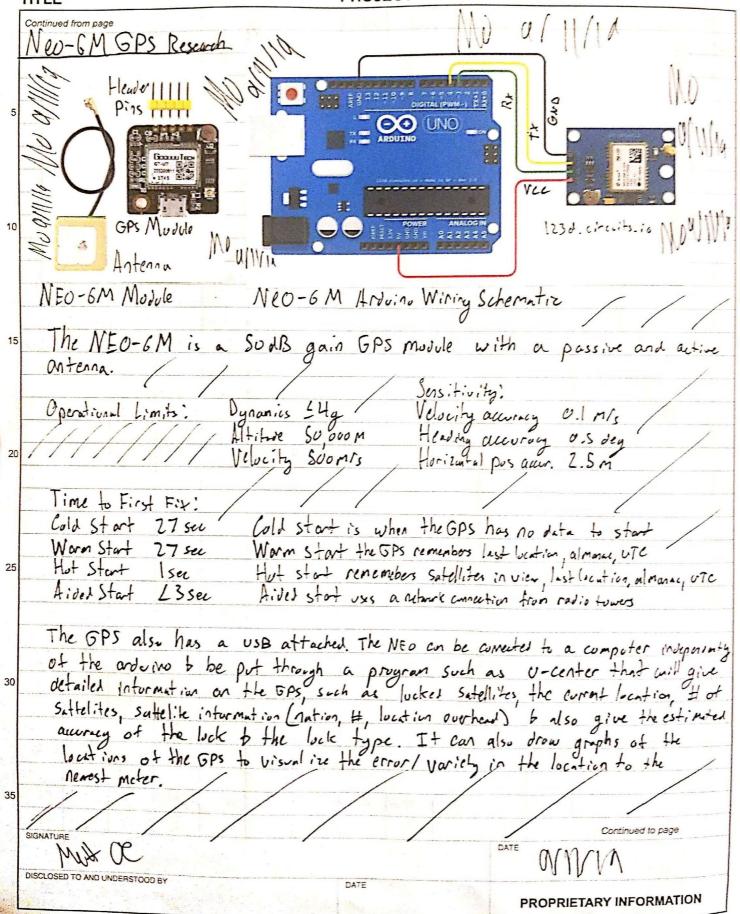
	IIILE	1 1100						
	Continued from page Ardvino Flight Con	npute	r [	esign	9-	10-14		
	Philipping							
İ	The objective of this project is + IMU Sensors to develop a com	to	US	e, the	arduit	no base	d CH language	e
	+ IMU Sensors to develop a com	puta	1	hat	can kn	ow it's	relevent	
5	Position, oriontation, direction of	true	vel.	veloci	ty, are	accele	ention to	
	Position, oriontation, direction of create a 3D plot of the flig	ht ac	MP	uters	path.			
			1		1			
	Materials bist							
10	- Arduino Nano (3 for \$13.99	or A	M42.	M)	0			
	- MPU-9250 gyroscope accelerameter mugnetometer (\$18.49 cm Amuzon) - NEO-GM GPS Madule (\$12.94 on Amuzon)							
	- NEO-GM GRS Module (\$12.94 on Amazon)							
	- BMP-280 baruncter (\$11.10 on Am	WZU)						
	- Brandboard & Jumper Wire Kit C\$10			Mazon	)			
15	1 H			b		Sour	ue:	
	Nano Reseach		Pi	1 Desc	riptions	The E	Engineering Projects.com	
	GND RXD	19	Vi	1-7-	-12V 1	Dower s	Supply	
	Atmega328 Digital Pins RST TXD Crystal 16(MHa)	12	51	r - rey	ulated 1	Dower Si	upply	
	A put of Dissol Do So of Dr Dr Drop of Figure 1 (Cost TX LEO (White)	2	3.3 v - regulated power supply  3.3 v - Minimum voltage from regulator  E. GND - ground pins					
20	Mini - USB Jack  Analog	1/2						
	Reference Digital Pin 13		Res	et - Res	sets boa	rd when	1 Supplies power	
	3.3V Output  Analog Input Pins  5V GND Reset Button RST Vin		AO-A7 - analog pins for measuring onalog voltage					
	Arduino Nano Source www.TheEngineeringProjects.c	Kx, 1x - Serial com. Transmission + recieving						
	Man District IS- Built in LED pin							
25	11010. HIS 15 X		HK	tr-re	ternie vi	oltage fur	input voltage	
	scale runge in +)	<u>e</u>	PW	M- pi	ns 3,5,6,	9,10,11	Pelse Wilth Modulat	ian
	MPU-9250 Research pro	gram	Inf	emupts-	- Pins 2	3 stups	program bruns speed	oil
	Acelerometer			•			,	
	Power Comme Pull Scale range:					TAP		
30	IZC (South and a			AES	/ • V	0/0	Accelerometers e	10
	$\frac{1}{2}$ $\frac{1}$	LSB.	19	G			× not require cal.b	zst.o
-		LSBI				2/	but are usually	
	Inter-pt - OINT + &g - 4096	LSBI	g	2			run through a	
,	- 16g - 2048	LSB	/g	3	Acceler	ometer	filter to remove	
35	0		0			9-10-14	vibrations	
	SIGNATURE						Continued to page	
9	Ma				DATE .	-10-19		
-	DISCLOSED TO AND UNDERSTOOD BY		A Gal		[ (0 14)			
		DATE			P	ROPRIETA	ARY INFORMATION	
			100				The state of the s	

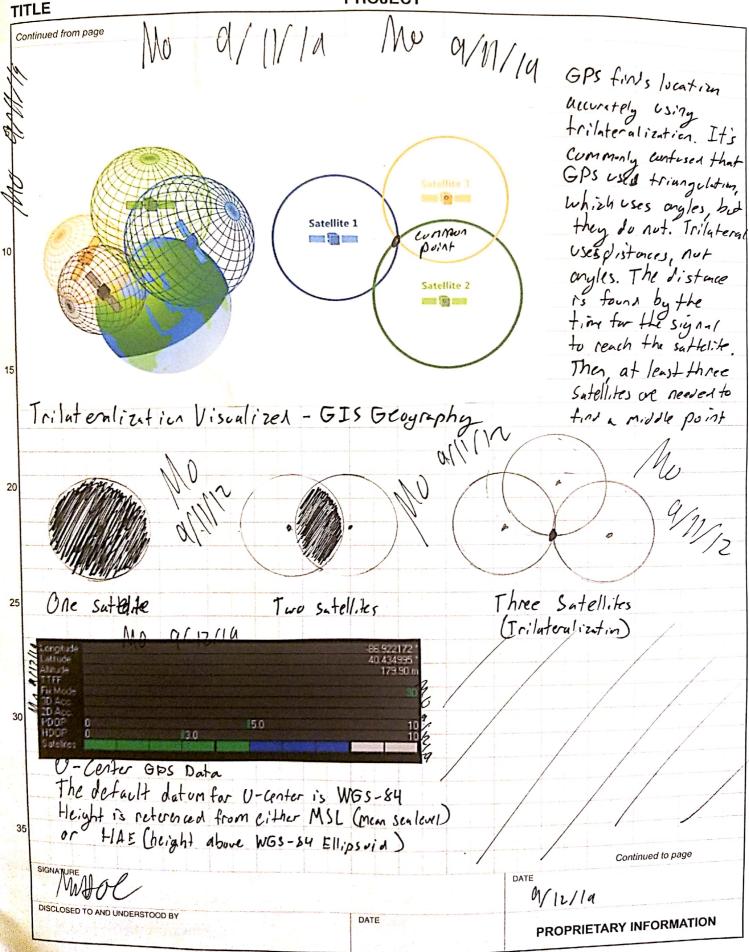
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To Be Updated