



Appendix A:

GPS/IMU Statistics, Flight Logs, and Base Station Logs

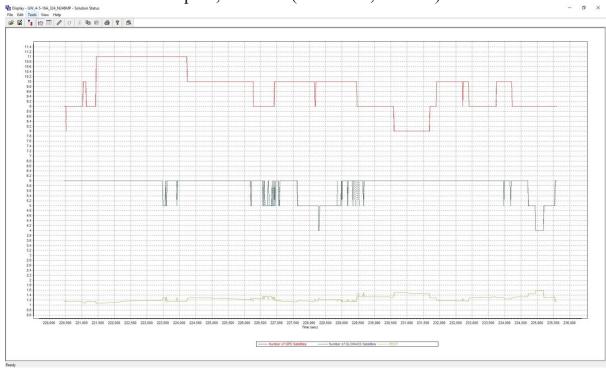
There were six total lifts (five were used). Graph reports generated from processing software, flight logs, and base station logs are found on the following pages.

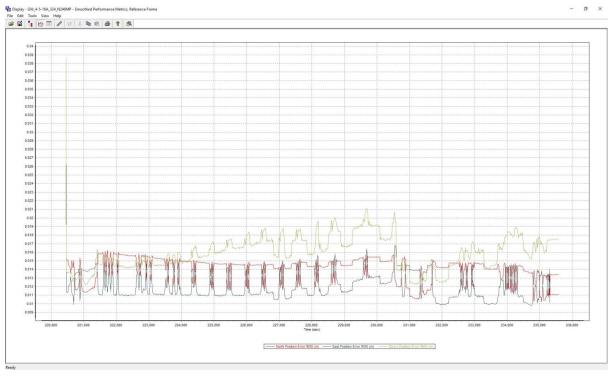
Apr 5, 2016-A (N246MP, SN324)	2
Apr 12, 2016-A (N246MP, SN324)	
Apr 13, 2016-A (N246MP, SN324)	
Apr 13, 2016-B (N246MP, SN324)	
Apr 14, 2016-A (N246MP, SN324)	
Apr 14, 2016-B (N246MP, SN324)	28





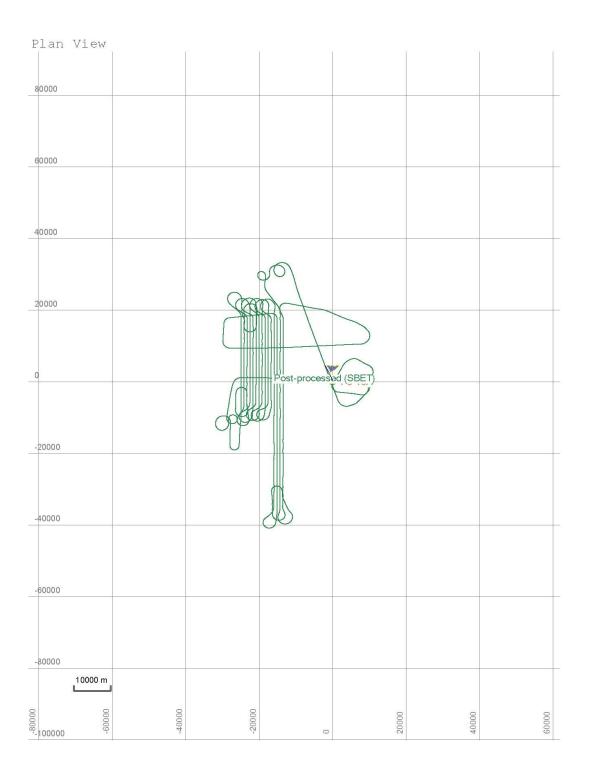






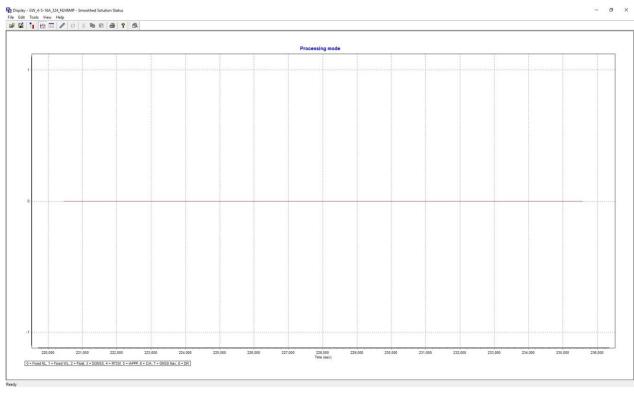


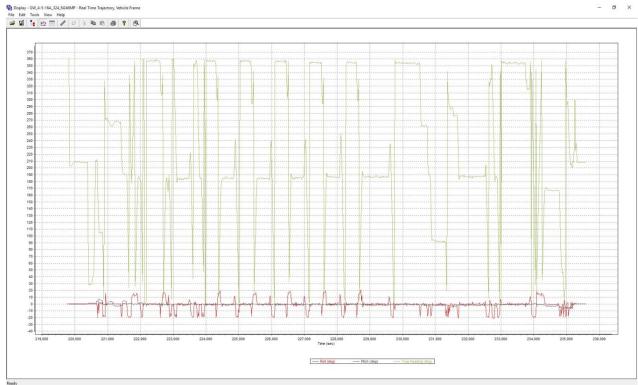






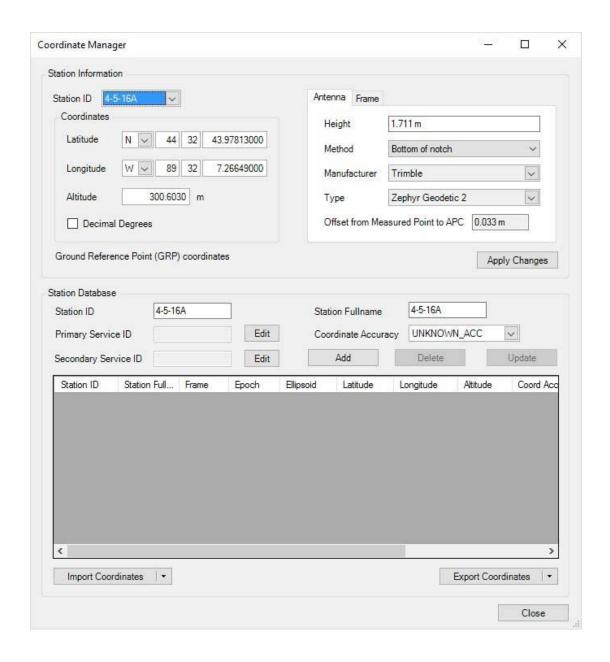












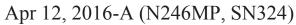


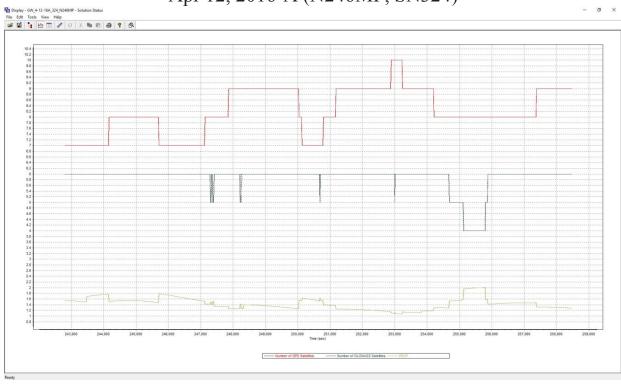


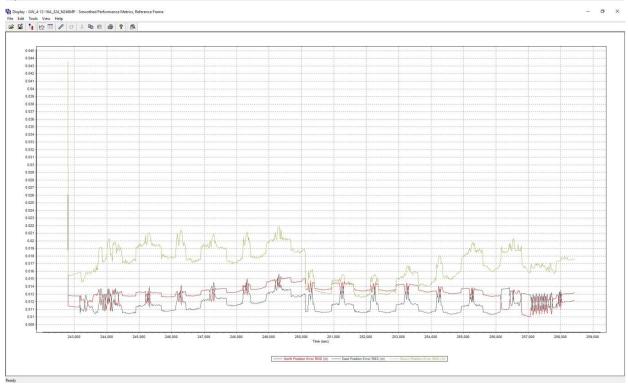
Date: 4/5/16		Tech: NELSON	Tot Time Aloft: 5,3	Sta2) [7: [2 (2)	Sta2)	Beg Storage GB Name/s	6 4 4 8 7		e, partial, etc) + 13-15(2)		1													GND OF ACT		
	ا تِيَ	5	Arr	N /(X)	Flyovers: Y / N If Y, times: Sta1) AT KSTE	r begin: 30.38	(H) Max (HD)	Pulse 225 Power LICH PPSM 2 +	FLIGHT LINE NOTES – visibility, clouds, smoke, partial, etc	河	GAMO 3 TEST FINES	on In	ALT									QUING SOUTH END OF ADI		SSFLIGHT	6 NMI SOUTH	2 Mob Time: 2, Notes:	
IDAR Data Collection Log Sheet :: Quantum Spatial, Inc)	15:941,7 End Hobbs: 947,0 Total: S	Dep Time (Lal); (3:45 (Z); 11:45 Arr Apt: KSTE	Sta 2:	Sta 2:	3 °c OAT beg: °c End:	AGL 1700 Alte 2050	MpiA Y / N Pulses 3	Gd Spd PDOP/=Sats GPS Altifude Crab (0,-,+)			135 101/2 1660 3	0691	40 101781680 3	35 19-18 1690 5	40 1.01711690 3	35 13 1690 4	10/01/10/10/10	35 13/8/6/07	75 18 190	35 1.36 170 S	9069184818	146 116 170 6	160 1.3 1680 X	25 7 20 5 CLD	Lines Remain: 48 Onlir	
Airborne LiDAR I	Roc	Aircraft: 1246 MP Begin Hobbs: 941		CORS: Y/N Sta 1: STPT	GPS Unit: Y / N Sta 1: KSTE	Gd Temp beg: - C c End:	Type LEDRA Serial # OBEGN	0	C): End (UTC):			105 21 1250 105	19011891199	0	59 18 14 22 14 27 1	-	19-40	1 1	15.05	10015161511	いいい	51 18015:33 15451	10:31 055 10:01	X-FUT F 16:08/6/15	18 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6	Total Proj Lines: (6) Lines Flown:	





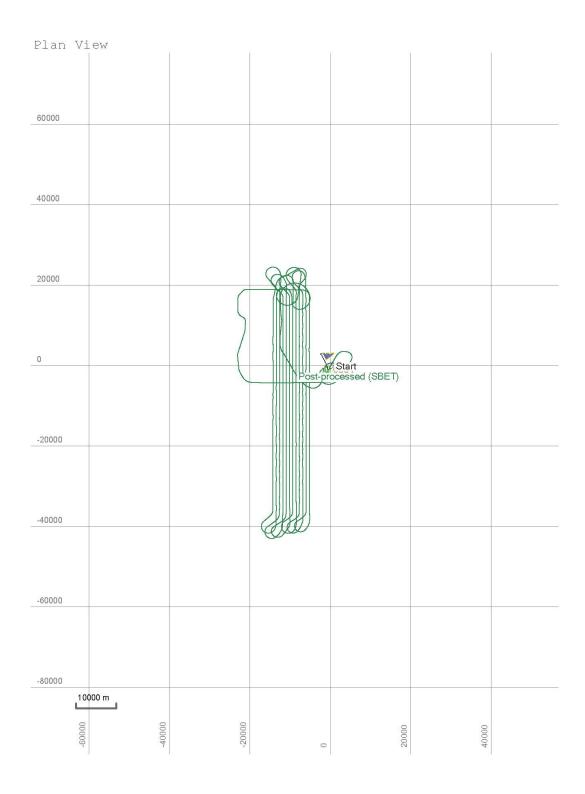






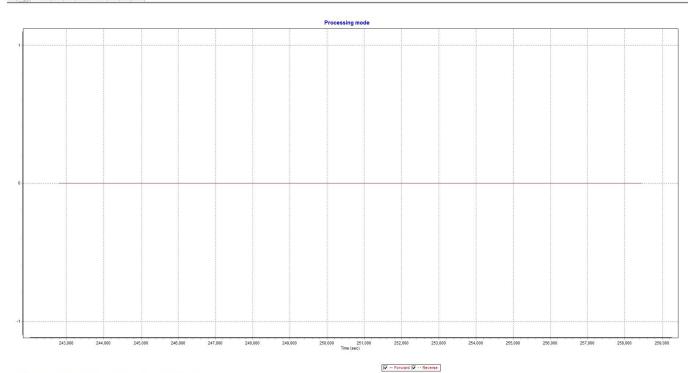








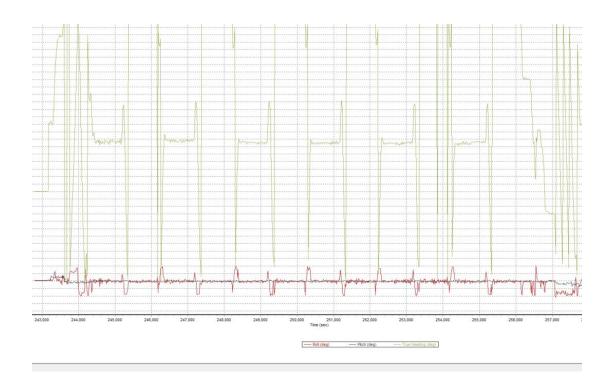


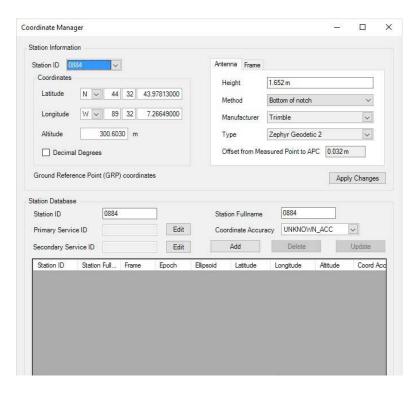


0 = Fixed NL, 1 = Fixed WL, 2 = Float, 3 = DGNSS, 4 = RTCM, 5 = IAPPP, 6 = C/A, 7 = GNSS Nav, 8 = DR











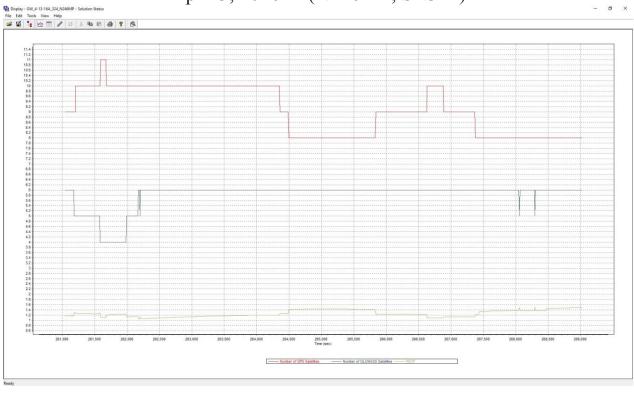


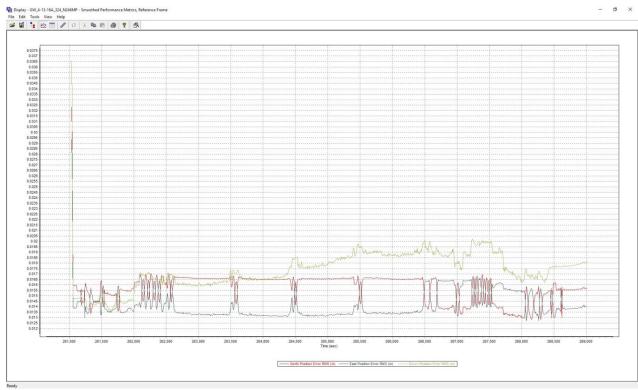
Flight Mgmt Flue: 201604 12 A	Plot: Cory Me Dougla Co-Plot: Cary Tax	Arr Time (Local): 6:38 (Z): 23:38 Tot Time Aloft:	N If Y, times: Sta1) Sta2)	N If Y, times: Sta1) Sta2)	@8hy :pue	Odepd 140kthopedny 2,19 19:12-19:19 Con Codepd 14:15-15-15 Con Test 2.19 19:40 Con	FLIGHT LINE NOTES – visibility, clouds, smoke, partial, etc.	I'M TITE AT FISHER 4-6 NU GON POR												Lessife		thing storm from west ; RTB	
AVRES 3DEP Proj#: 27131 Fugi	End Hobbs: 954.0 Total: 4.1	1 (Z): 19: 3 ATTAPE: 1/5/12	Sta 2: Flyovers: Y / N	Sta 2: Flyovers: Y / N	OAT beg: °c End: °c Altimeter begin:	AG. MOON AND LOCOM HE 300M C	POOP/sses GPS Attende Grab (n. 4)		40	14/7 2000 -8°	1.37/ 2010m 40	20lom	125/4 2015m 3,5	135/17 20Bn -3,5	1.35/17 2017m 4°	135/18 2010m -4°	100	116/16 200m -45°	144/14 20/7m 67	1200n	Too. X	Act Apronting	
Project: 27121 W.R.o.C. AYRES	Ĭ	Dep Apt. 12 STE Dep Time (Lol): 23	CORS: CLIN Sta 1: 5+PT	GPS Unit: (Y) N Sta 1: ASTE	Gd Temp beg: *c End: *c	19/38 Free 524	190	Jesel 12:40	N 20:10 20:22	5 20:27 20:39 1	N 20.44 20:57 128	2/30 2113 138	21:30 132	5 21.34 21.46 138	25:02 (38	2206 22:19 B	134	\$ 22:33 22:53 134	Z	E 23:20 23:25			





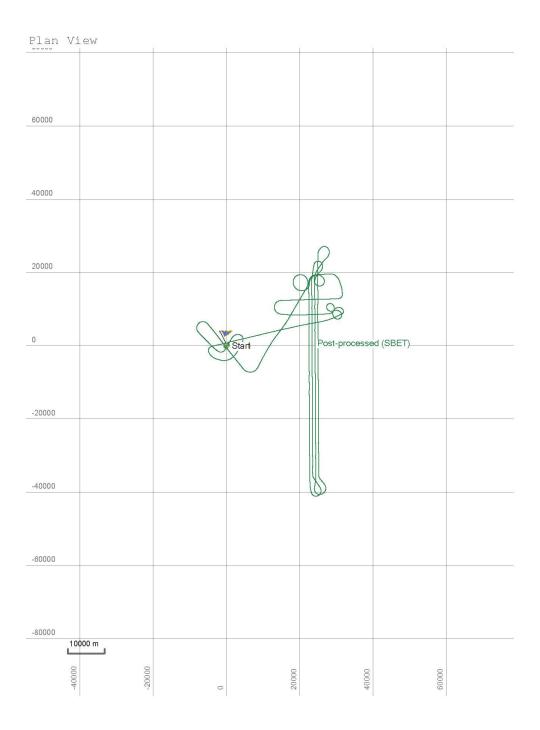
Apr 13, 2016-A (N246MP, SN324)







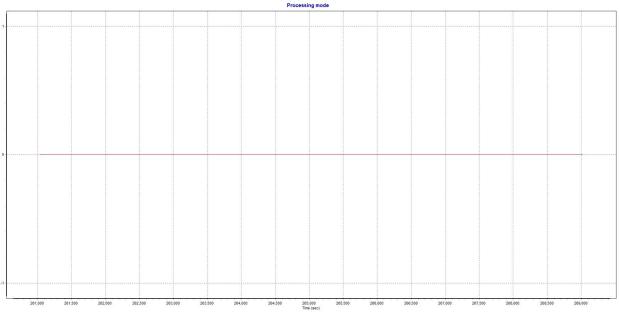






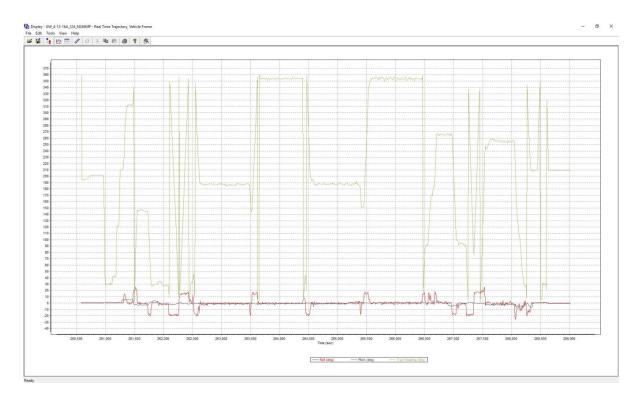


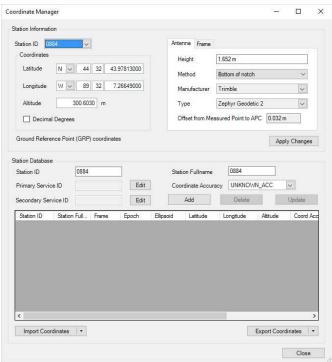




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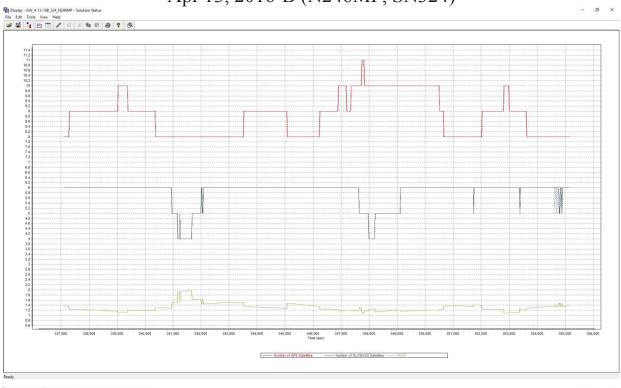


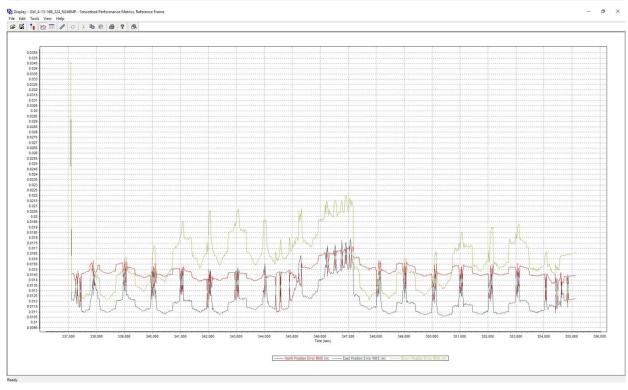
Project: POINTY		email log daily	on_list@quantumspatial.com)	Clivilian	LINE A B C D E Pg of
Aircraft: N24/MP	Begin Hobbs: 9 54	Froj #: 2 / こ Begin Hobbs: 9 くし Total:	0	Pilot: M. Daylor Co-Pilot:	Tech: NELSON)
>	Dep Time (Lcl.) 9:30 (Z): 0:30	30 tz 0:30 A		Arr Time (Local): 2/20 (Z): 2/30	Tot Time Aloft: 2
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GPS Unit: (P) N Sta 1:	1: KSTE	Sta 2:	Flyovers: Y / N If Y,	Flyovers: Y / N If Y, times: Sta1) STARZTUP Sta2)	ta2)
Gd Temp beg: 💪 °c	End: 5	OAT beg: °c End:	°c Altimeter begin: 30.26 end: 30.76	30.76 end: 30.76	GB HTT Namele
LIDAR FOV 3 &	Serial # 32 4	AGL 5600 AMS. 6700 MPIA Y / N PULBES 3	0	Max Avg Pt 2.2 Spacing 2.2 Prower HTCH PPSM 2.6	2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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	-	7000	PREC	PREC INCREASENCE VIPLY	IPLA
2.00		X Sila	CROSSPITCH CONSTITUTE	FREC >>	DOCA
27 7 27	2:15 35	72 8 4	いるところれ	580 KJ	
			RTB		
Total Proj Lines:	Lines Flown:	Lines Remain:	Online Time: 1, 3 Mob Time: 0.	O.7 Notes:	





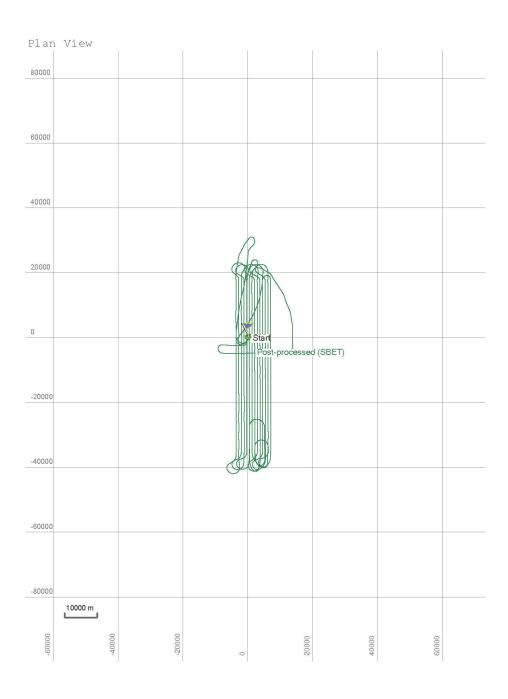
Apr 13, 2016-B (N246MP, SN324)















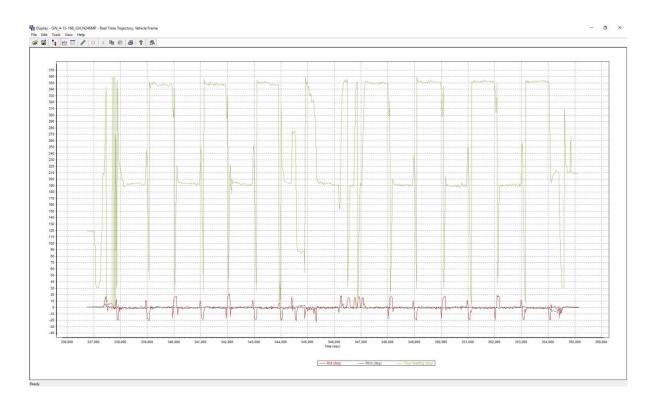
Processing mode

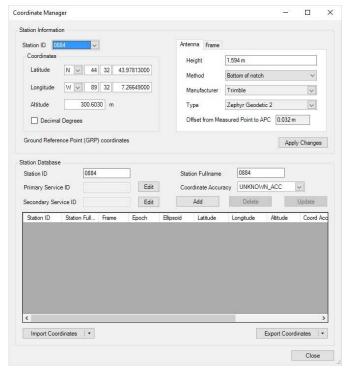
▼ — Forward ▼ ·· Reverse

0 = Fixed NL, 1 = Fixed WL, 2 = Float, 3 = DGNSS, 4 = RTCM, 5 = IAPPP, 6 = C/A, 7 = GNSS Nav, 8 = DR













	WROC - AYRES	- 3DEP	Proj #: 2713	Proj #: 27/31	Flight Mgmt File:	201604138/ANRES.	3DEP Portage (700)
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GPS Unit: Y / N		376	Sta 2:	Flyovers:	Flyovers: Y / N If Y, times: Sta1)	Sta2)	*
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LIDAR FOV R/38	Origin H Serial	324	ALE ALE ANSI. APIA VI N PULSOS	2030 AVETO	Hax Avg Pt Gdapd 140 Spading PPSH	24 750	135N 100 331/1
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	21.56 2:53	*		5	wen into	15+ 1.ne	
				Clouds	200	-	114.10
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N S			2011n	0 6			
34 5	22:29.22.42	1 120	116/16,2010x -1420	20			
	22.46.22.5	2	1.31	0 611			
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	3:19 23:3	120	1.23		Start when looking a	[AS Proview?	- Sietly stort Ser
2R S 1	33 2.40	138	126/16 2000 m	2 - Refly start	of to	Partial Norther 9	J. 20
XXX E Z	343 23.48	1/40	122/16 2008m 23	0	口口		
3	3.56 00:09	-	117/17 2009 m-1450	0			
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Z	0:26 00:46	0 130	12/17 2004m 10.2 -				
28 S Q	00:43 00:55	0/1/0	12/8 2002m-45	0	smoke from fire 8.	R.SNM from	L.O. N
Z	00:5001:13	3 126	1/8/1 DI3m 860	0			1013
S	1, M61-20		01-2001 11/1E	9			
25 NO	O1:33 01277	97	19/5 2015m 9.4	+ /			

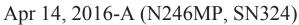


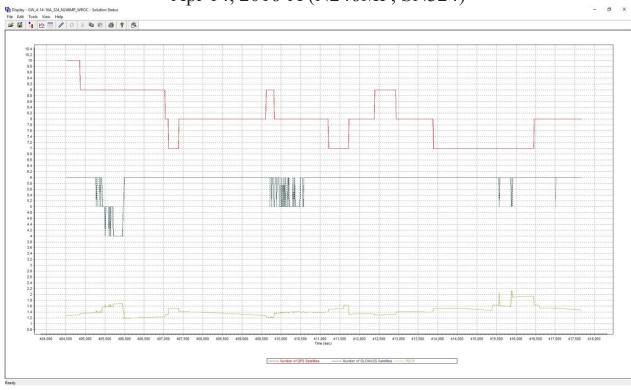


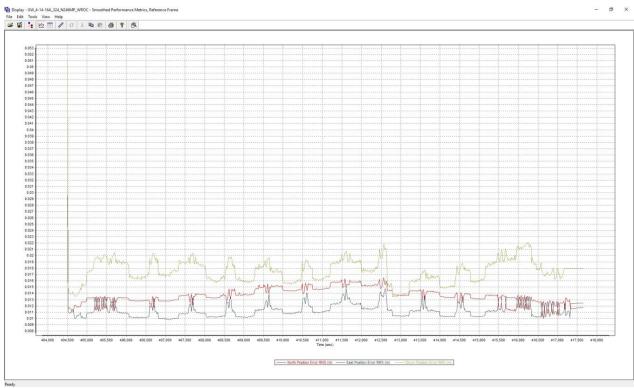
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	AYKES 3DEP	Piloti (any Mc Donal of Co-Pilot:	Ë	: Sta1)	Sta1)	end:	Avg Pt 2./9	FLIGHT LINE NOTES - visibility, clouds smoke partial etc			diapine -2					
[email log daily to flight_log_distribution_list@quantumgastal.com]	Flight Mgmt File:	Piloti Cory Me	Arr Time (Local):	N If Y, times: Sta1)	N If Y, times: Sta1)	.pegin:	Chipd 140	FUGHTUNEN			budge ling					
email log daily to flight_log_distribution_list@quantumspatial.com)		Total: 4-8		Flyovers: Y / N	Flyovers: Y / N	°c Altimeter begin:	2030m Ht 300m Gapd 140			-	(bud)					
t_log_distribution_list		End Hobbe: 966, 8	Arr Apt:	10	1	°c End:	The second second	le Crab Turb	10	24 -						
email log daily to fligh			Ü	Sta 2:	Sta 2:	OAT beg:	AGE (700m ANSI MPIAN) N Pulses	PDOP/eSats GPS Altitude Crab	The Bodon	WETOT 11/2						
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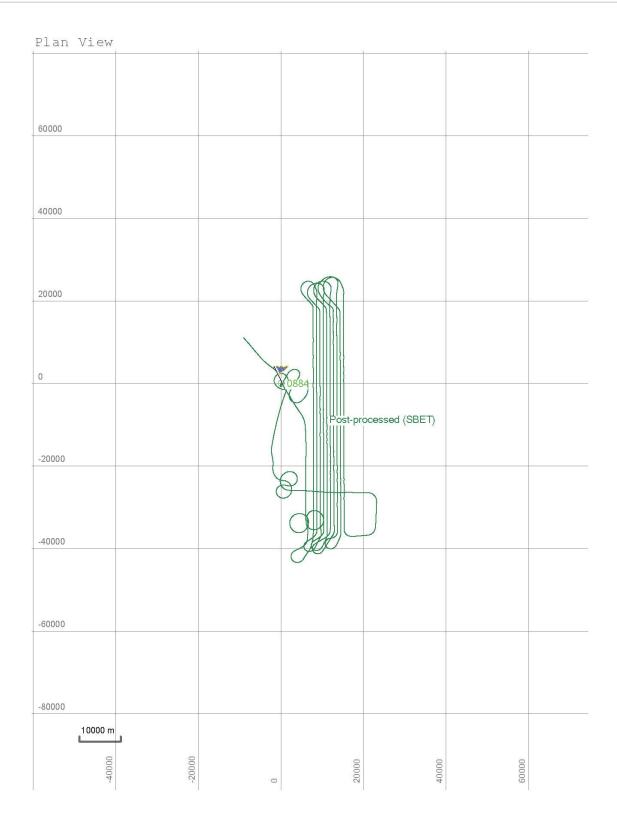






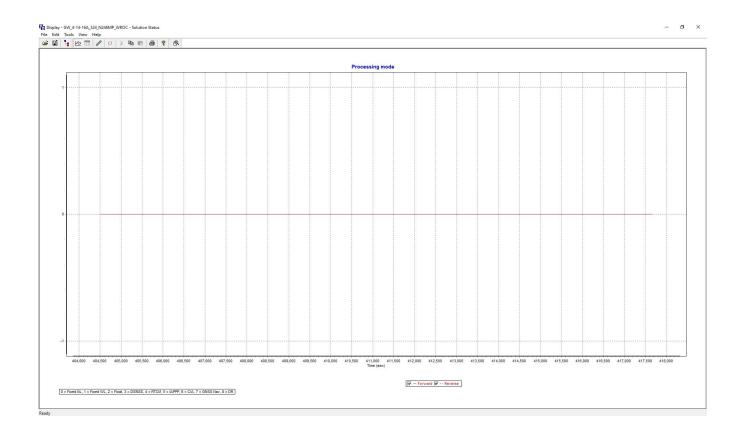






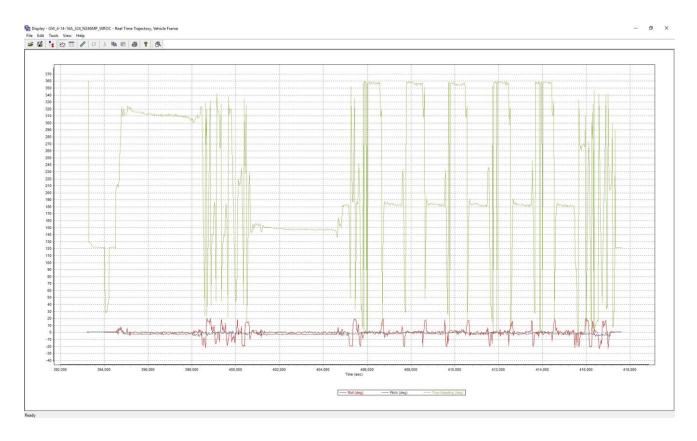


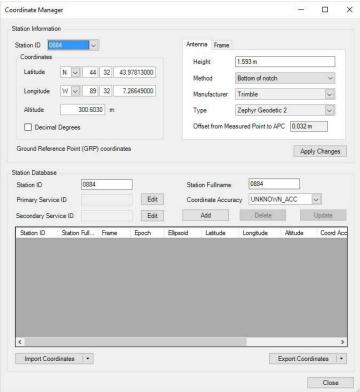












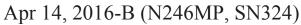


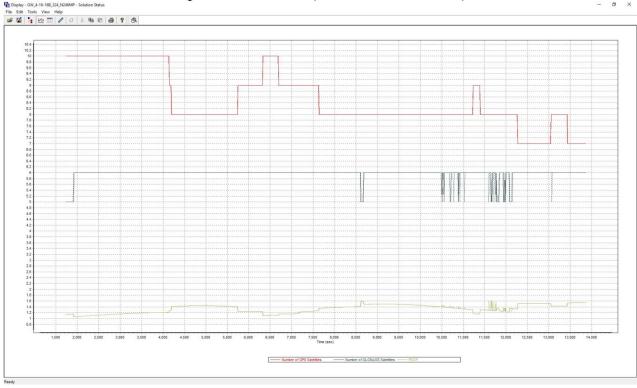


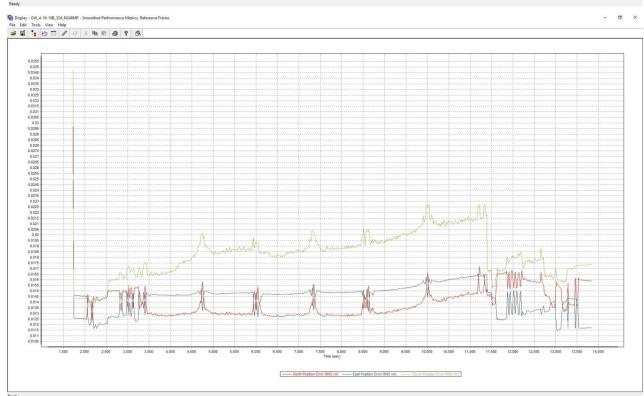
Collection Log Sheet :: Cluantum Spatial, Inc Collection Log dark Date:	19 100	
AIPDOTHE LIDAK Data COLLECTION LO LOS CANDENCES CANDENCES CONSTITUTE AIRCRAFT: N246MP Begin Hobbs: 9636 End Hobbs: Dep Apt: K57E Dep Time (Lct): 17:36 (Z): 16:36 CORS: (V) N Sta 1: 57PT Sta 2: GPS Unit: (V) N Sta 1: K57E Sta 2: GATEMP beg: 1 ° c End: 17 ° c OAT beg: ° CATEMP beg: 1 ° C End: 17 ° C OAT beg: ° CATEMP beg: 1 ° C End: 17 ° C OAT beg: ° CATEMP beg: 1 ° C End: 17 ° C OAT beg: ° CATEMP beg: 1 ° C End: 17 ° C OAT beg: ° CATEMP beg: 1 ° C End: 17 ° C OAT beg: 1 ° C End: 17 ° C OAT beg: 1 ° C End: 17 ° C OAT beg: 1 ° C End: 17 ° C OAT beg: 1 ° C End: 17 ° C OAT beg: 1 ° C End: 17	17. 0 16.44 16.56 135 12.0 0 17.18 135 12.0 0 17.18 135 12.18 135 12.0 0 17.18 135 12.18 135 12.0 0 17.18 135 12.18 135 12.18 135 12.18 135 135 135 135 135 135 135 135 135 135	





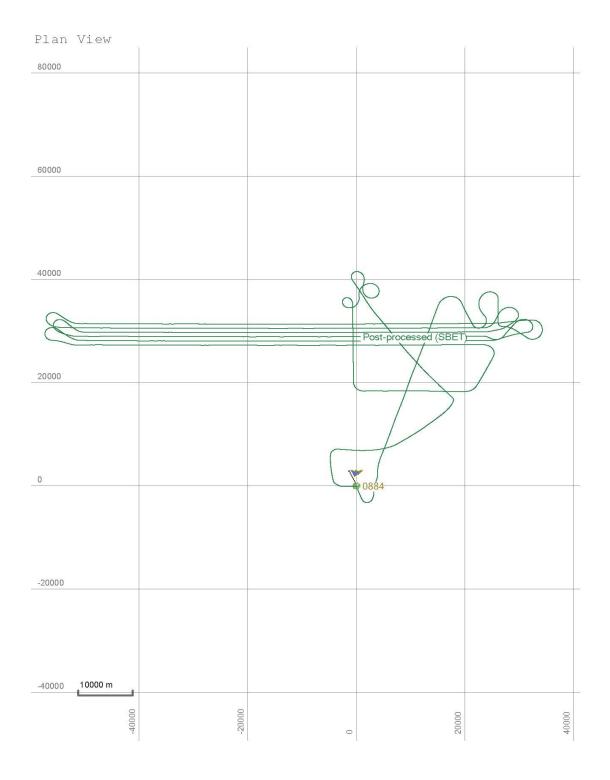






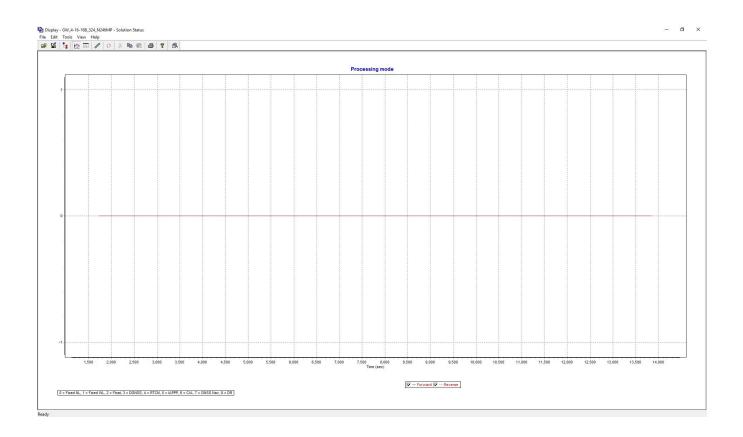






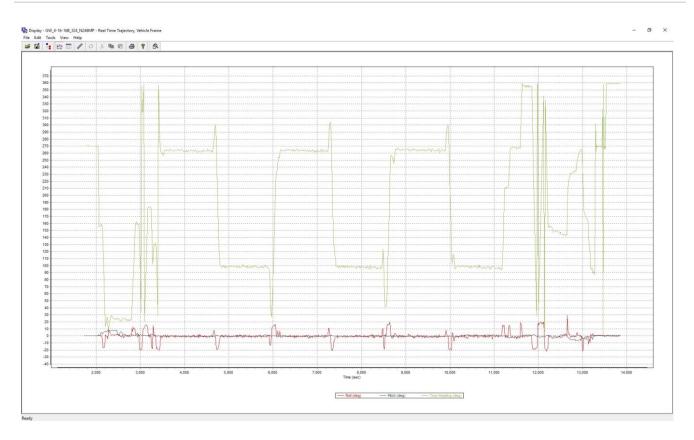


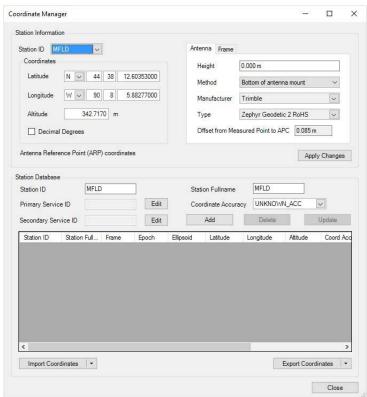
















Sta 2: 571 & Fly "C OAT beg: "C End: "C Sta 2: 571 & Fly Sta 3: 571 & Fly Sta 4: 571 & Fly Sta 3:	Total: C.O. Pilot: C.r., M. Donald Co-Pilot: Tech: C.o. Prof. C. C. C. C. C. Prof. C.
03.43 00:48; 1.4/6/201/6.10 (R. 03.43 00:48; 1.4/6/201/6.10 [F.g.	Fig 8 recedent 101 +027° bank after Fig 8 x





JCO-PILOT:
47 Zt. 02:47 Tot Time Aloft: 6.0hr
- 1
Flyovers: Y / N HY, times: Sta1) Sta2)
l'anno
He Hoov Gaps 140 Spains 2-19 End One 22.5 Power PSM 267 Gas
FUGHT LINE NOTES - visibility, clouds, smoke, partial, etc.
5TL & Colle for Taylor Genty
6
The 27 2100 GPS. It
Taylor County ANTX
7 +
Ayour of Sto Colx
RostTE /