

# Appendix A:

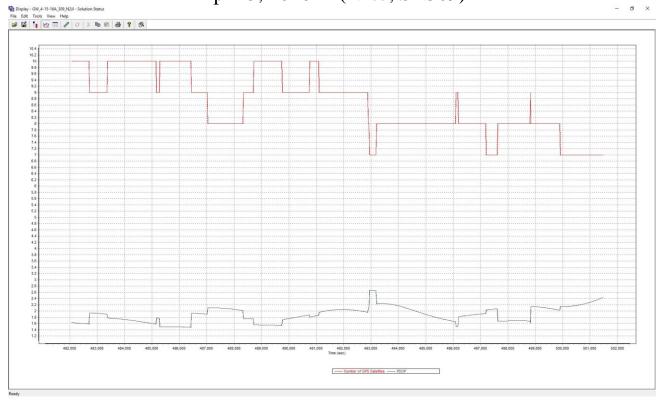
## GPS/IMU Statistics, Flight Logs, and Base Station Logs

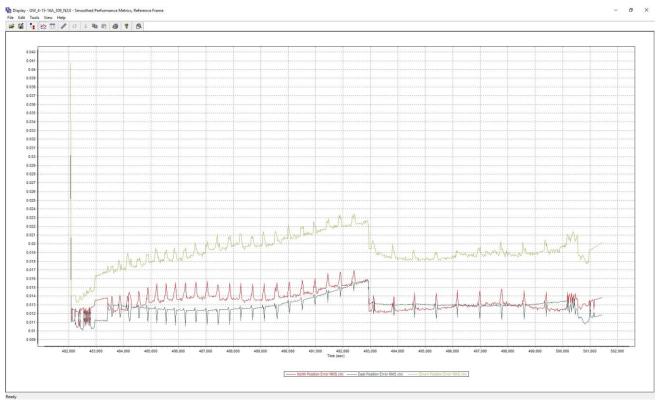
There were two total lifts. Graph reports generated from processing software, flight logs, and base station logs are found on the following pages.

Apr 15, 2016-A (N2JJ, SN309)	2
Apr 15, 2016-B (N2JJ, SN309)	{



### Apr 15, 2016-A (N2JJ, SN309)

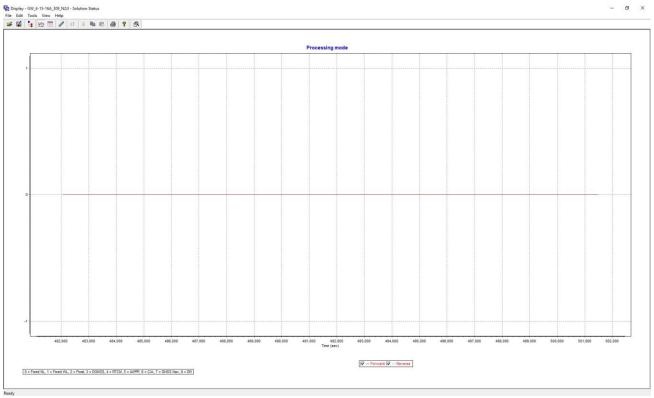


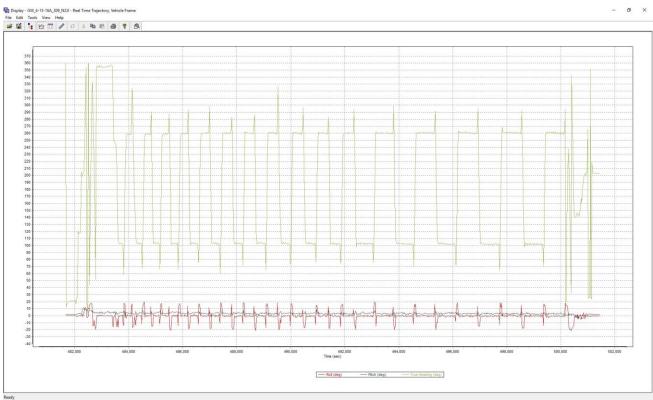




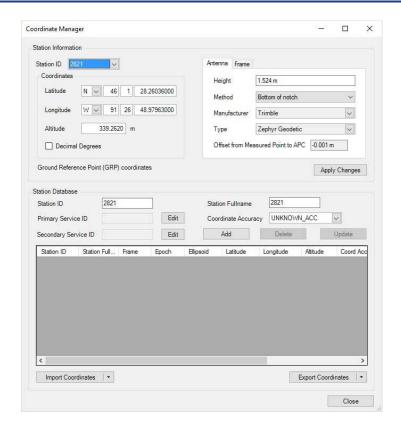














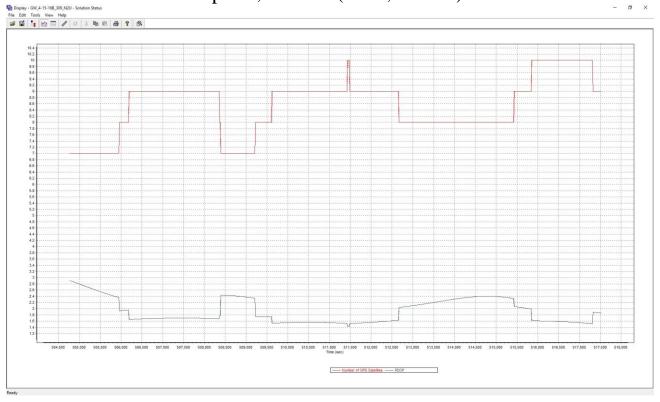
	relot	rsen				Nemal																						
2	20160415. Awarec-sen 304 - n 2)]. Bertrelor	I ear: Tetersen	Tot Time Aloft:					동 전																				
Utt A B C D E	-ser309-		Tot 1	Sta2)	Sta2)		アエンス		oke, partial, etc.																			
	S.A.WROC	Co-Pilot:						2+	FLGHT LINE NOTES – visibility, douds, smoke, partial, etc.									Water Prince										
			Ä	If Y, times: Sta1)	If Y, times: Sta1)	end:	Avg Pt Speding	PPSM	NE NOTES - visil												-							
(email tog daily to flight_log_datribution_lar@quentumspatist.com)	Fught Mgmt File:	Mot Brinkhaft	Arr Time (Local):			-gin:	Max 140	H same	RIGHTU			200																
petal.com)	2	2.5	Arr	Flyovers: Y / N	Flyovers: Y / N	Altimeter begin:	Avg Terr 300 G	572	20																			
email log daily to flight_log_distribution_list@quantumapetial.com	_	Total:	pt:	Flyo	Flyo	٥.	174	Pulse Rate 2																				
g_distribution_	Proj *: 2/13	3459.7	Arr Apt:			End:	ALE 2000	• 4	Crab Turb	9	15	10.	11-	2	-14	10	-12	10	-13	0	-13	9	-14	9	-13	0)	10	
ally to flight Lo	Proj#:	End Hobbe: 3257. 7		Sta 2:	Sta 2:	o. :8a		IN Pulses	GPS Attitude	20.88	- 5202	7907	2051	2022	Soho	4902	2018	502	राजा	1207	2054	2553		2085	2043	1002	2043	
(email log d			垃			OAT beg:	ALE 1700	Mpia 1 N	PDOP/e Sets	0	0	cl	0)	10	0	Ξ	11	(1	1.1	0	10	9	6	0	6	«	5	
1	1,WZ	Begin Hobbs: 3654.5	(Led):	(894)	450.5		60	25	GdSpd	oh	122	128	136	130	132	136	130	138	126	chl	130	1.38	136	138	126	136	130	
	Courty, W.Z	Begin Ho	Dep Time (Ld):		<b>1</b>		Sorial . 3	Fred	End (UTC):	1417	1423	1428	1434	ohhl	Shhl	1451	1456	1502	1509	15 16	1251	6251	1536	1543	1550	8551	1606	
		To the second		N Sta 1:	N Sta 1:	•	TyPe H300	38	Hdg Start (UTC):	Topl	O241 30	27H 1425	20E 1431	1436	1442	1447	1453	8541	1505	11511	1518	1525	1531	1538	Shal	1551	1600	
E	500			X X	Ö	p beg:	Type	FOV	Hdg	2	ME	Carlo	R	MAN	ME	MIN	m	3	W	3	m	3	(L)	7	M	3		1
	Project: Bayfield	Aircraft:	Dep Apt:	CORS:	GPS Unit: (Y) N	Gd Temp beg:		LIDAR Fov	Line *	45	hn	43	42	14	ah	60	38	37	36	35	34	33	25	31	30	63	28	,

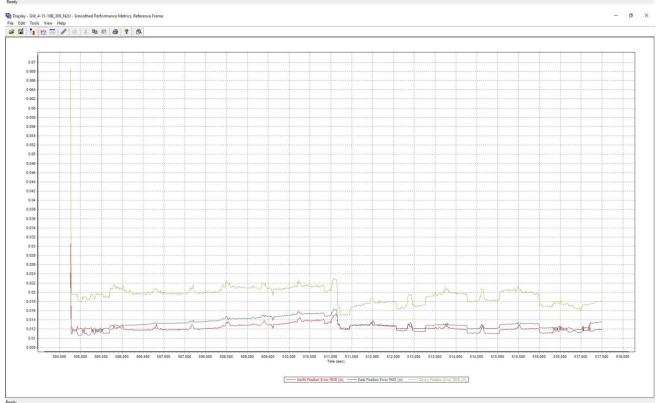


	Tech:	Aloft:			ofernen Scornge GB	38	ž a																		
		Tot Time Aloft:	Sta2)	Sta2)				loke, partial, etc.																73	
	Co-Pilot:	垃	: Sta1)	: Sta1)	end:	Avg Pt Speding	PPSM 2+	FLGHT LNE NOTES – visibility, douds, smoke, partial, etc.																	
Flight Mgmt File:	Pilot:	Arr Time (Local):	If Y, times: Sta1)	If Y, times: Sta1)	Str:	Ohl bdabb	Power H	FUGHT UNEN		*											4.77				
Proj #: 27/3( Fugh	Total: P	L TAT A	Flyovers: Y / N	Flyovers: Y / N	*c Attimeter begin:	300	Pulse 225 Pe																		
27131	•	Arr Apt:			End:	2000		Crab Turb		+13	.0.	+13		2/4	0	7	01	3	0	7		7	0		
Proj #:	End Hobbs:	拉	Sta 2:	Sta 2:	OAT beg: °c	ALE 700 ALE	MPIA (1) IN IN IN AIR	PDOPINSEES GPS Alteftude O	5 2902	2043	2067 -1	0.00	5 882		2113 -	2013 HIL	1.08a-1	2027 43	2123 \$10	1063 +14	1-237-9	2030 416	1-7112		
				# 0	ro o.			Gd Spd PDOPIes	138 10	134 10	38 10	136 10	24 10	36 10	130 10	131 10	30 8	136 8	138 8	135 8	140 8	130 8	38 0		
lossity, WI	Begin Hobbs:	Dep Time (Ld):	1;	Sta 1: 5 . €	End:	Sorial . 309	Scan 52	End (UTC):	1613	1621 1	1629	1637 (	1645 12	+	1709 1	1722 1	1735 1	1747 1	1201	1815	1828	1842 1	1855 13		
stield (	1233		Y/N Sta 1:			Type H300	FOV 38	Hdg Start (UTC):	1608	1616	1623	[63]	(639		1659	1771	1724	1737	1750	[803	1817	(830	7 1844		
Project: Rayfield	Alreaft: N233	Dep Apt:	CORS: Y	GPS Unite ( ) N	Gd Temp beg:	Typ	LIDAK	Line # Hdg	7 77	7 92	25 W	24 E	23 W	22 22	21 N	20 E		18 [	3 ==	1c E	3 21	14	13 ~	0	

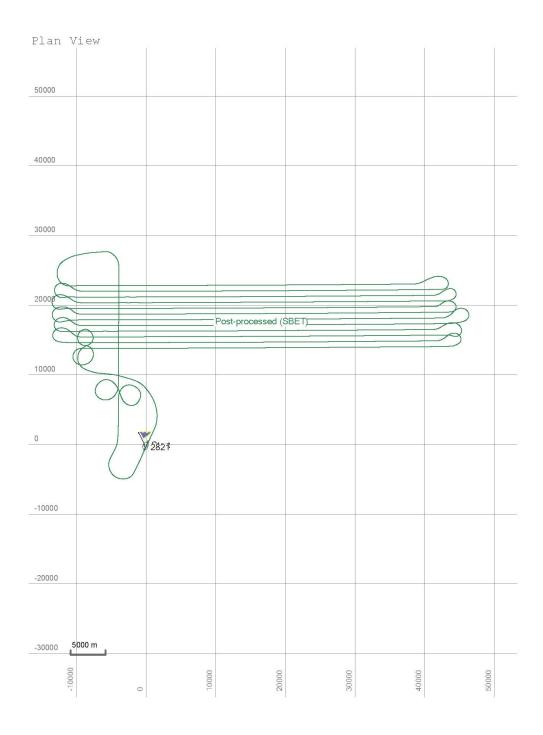


#### Apr 15, 2016-B (N2JJ, SN309)

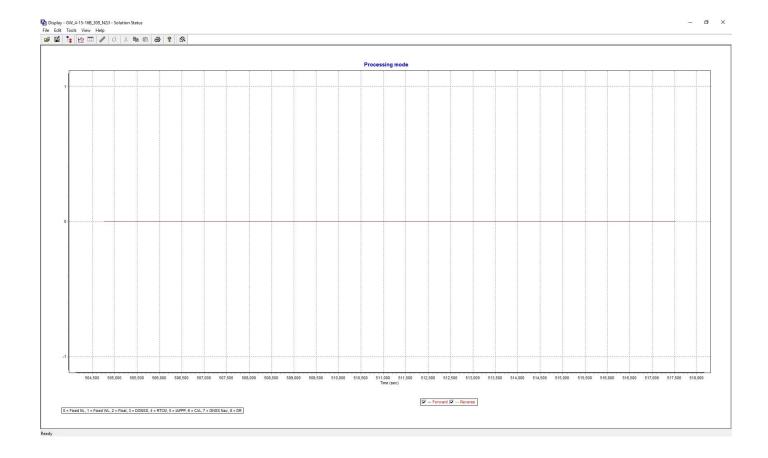




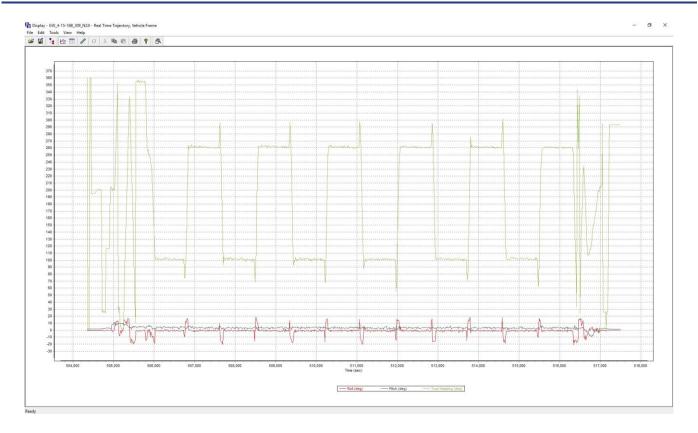


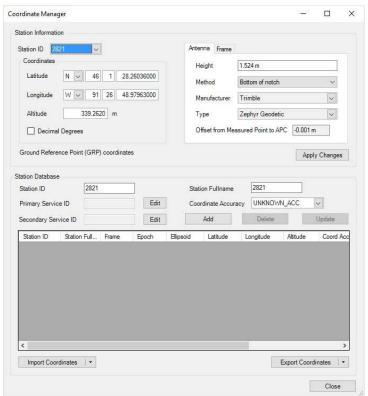














+		ALTM	REMARKS	(ASX -> SITE I471.9	TWO TEST FIRES											end closes	CRUSSFILLAT	→ KASX 1476.2						E-Mail: amephoto@quantumspatial.com
	324	299		KAS	JW7											7 nm end	CROS	527E		NOTES:				9695 E-M
	13 SEN 324	X7266	Laser TZPK					8												STOP:				888-253-
ſ		AIRCRAFT: N	P P			14.13	427	9/1:10	10:51	15.20	536	553	11:01	05,91	195,91	7.64	75	22/		START:				655 FAX:
ဖွ		A	ALT (m) START S	1650 13:40		1357	14671	145/14:31	1449	15051	5401523	15.40	15:59	16:15	16:31 053	1630 17:64	11:11			STATIC START:		<b>**</b>		: 920-467-2
LIDAR FLIGHT LOG	115			1651		<u>R</u>	0491	5491	1640	1655	97.5  -	1645	089/	1655	1650	1660	1680			AFT FERRY	Ő,			5 PHONE
AR FLI	DATE: 10/22/15	)	PRF	225	_												>	_		AIRCRAFT SITE FER				WI. 5308
ΠD	DATE	NELSON	SCAN FREQ ANGLE	0	-												>			_	W			jan Falls,
		1,000		27													>			LEFT	106			Sheboyg
		OPERATOR:	GND SPEED (KTS)			100	133	SOI	150	115	(50)	120	135	(20)	135	120	130			FLOWN	=			ource Drive
	الم		INE NO. & Hdg			0	180	Ö	190	0	180	0	180	O	190	0	11			L LINES	[7			3216 Reso
-	2220	PHER	LINE		_	53	54	55	25	27	58		$\mathcal{S}$	9	79	E	NAX.			TOTAL				itial N.6
	MISSION: 2015/022A	PILOT: CHRISTOPHER	PROJECT NUMBER	26947	BRYFIELD CO	15 th 25	Lh69h =7	L=47697 55	9168h=7	LLOBH <7	78Lbh=7	7h66h=7	9626h=7	9759h =7	SILLY : J	810Lh =7				STATUS	14692 0	0	0	Quantum Spatial N.6216 Resource Drive Sheboygan Falls, WI. 53085 PHONE: 920-467-2655 FAX: 888-253-6695



#### **GPS OBSERVATION LOG**

	Gra	ODSLIVATI	ON LOG	
Station ID Project Number Project Name Rcvr. Type Rcvr. S/N Antenna Type Antenna S/N	ASHLAND GPS PID: RM0890 26947  BAYFIBLD LID  Novatel DLV3 L1 L2  NBV 12130007  Novatel 702GG v1.03  01017577	PAR	Date Julian Date Start Time Stop Time Rcvr. File Name Observer	10 1221 15 295 12:40:62): 24:08:(2): 00072950, PDC BDN
			New or Existing Mo	on. ☐ New ☐ Existing ☐ Yes ☐ No
				DISK IN CONCRETE
II.'-lan u			Spike PK Nail Other	AM Washer
Height Readings: (Top of Monument	to Bottom of Ground Plan	ne)	# # # # # # # # # # # # # # # # # # #	
Start Z.O Stop		Ft. FIXED	POLE	
Mean	M F	Ft.		
Monument Sketch		PARKANG OBIO	7	ASHLAND OPS PID: RM0890 JOHN F KENNEDY MEM AIRPORT (KASX)
	3	RUNWAY		RMO890 IS LOCATED:

13314 NW WINDSOCK

99'+/- S. OF & EAST WEST CONNECTOR TAXIMAY