Appendix: GPS and IMU Processing Reports for Each Mission for Digital Aerial Solutions



Contract # / TO #		Project Na				Date			
		y Engineer	s Inc				11/25/2019		
DAS Project No.	Tampa, Survey	FL 33602			Operator	Nome			
-		riiiii				Operator Name			
19002	DAS					Chuck Harris			
Monument Name/Designation				Exact Stamping (include photo in survey report)					
40J01									
Monument No./PID	Collecti	on Type (c	ircle one)	File Nar	ne (receiver	generated)			
	ABGPS	STATIC	RTK	6684_1	125_131457	7.m00			
Receiver Manufacturer		Receive	r Model			Receiver	Serial No.		
N/A		N/A				N/A			
Data Collector Manufacturer		Data Co	llector Mo	del		Data Col	lector Serial No.		
Leica		GS15				1506684			
Antenna Part No.		Antenna	a Model			Antenna	Serial No.		
4255298		N/A				N/A			
Starting Antenna Height in F	eet	Starting	Antenna H	leight in N	leters	Type of Measurement (circle one)			
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VERTICAL ARP			
Ending Antenna Height in Fe	et	Ending	Antenna H	eight in M	eters	Type of I	Measurement (circle one)		
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP		
Antenna Reference Point (inc	clude and re	eference a d	dimensional	diagram ir	Survey Re	port)			
(e.g., bottom edge of notch in g	ground plan	e, Page 5,	Figure 2)						
Start Date (UTC)		Start Ti	me (UTC)		Approx. Lat. (if available)				
11/25/2019		21:37	(5 : 5)			N 30 4 3			
			(UTO)						
End Date (UTC)			ne (UTC)		Approx. Long. (if available)				
11/26/2019		1:00				W 83 34 31.06535			
Describe any abnormalities a			Site Dia	gram/Setu	p-Photo				
encountered during the sess occurrence and duration.	ion, includ	e time of							
occurrence and duration.						-			
					Propinsion of the last				



Contract # / TO #		Project Name		Date				
		y Engineers Inc		11/26/2019				
DAC Drainat No		FL 33602						
DAS Project No.	Survey	rirm		Operator Name				
19002	DAS			Chuck Harris				
Monument Name/Designation			Exact Stamping (in	(include photo in survey report)				
40J01								
Monument No./PID	Collection	on Type (circle one)	File Name (receive	generated)				
(	ABGPS	STATIC RTK	6684_1126_044334	1.m00				
Receiver Manufacturer		Receiver Model		Receiver Serial No.				
N/A		N/A		N/A				
Data Collector Manufacturer		Data Collector Mo	del	Data Collector Serial No.				
Leica		GS15		1506684				
Antenna Part No.		Antenna Model		Antenna Serial No.				
4255298		N/A		N/A				
Starting Antenna Height in F	eet	Starting Antenna I	Height in Meters	Type of Measurement (circle one)				
1 2 3	AVG	1 2	3 AVG	TRUE VERTICAL ARP				
Ending Antenna Height in Fe	et	Ending Antenna H		Type of Measurement (circle one)				
1 2 3	AVG	1 2	3 AVG	TRUE VERTICAL ARP				
Antenna Reference Point (inc	clude and re	eference a dimensiona		port)				
(e.g., bottom edge of notch in g	ground plan	e, Page 5, Figure 2)						
Start Date (UTC)		Start Time (UTC)		Approx. Lat. (if available)				
11/26/2019		12:40		N 30 4 34.28404				
End Date (UTC)		End Time (UTC)		Approx. Long. (if available)				
11/26/2019		22:17		W 83 34 31.06535				
Describe any abnormalities a			gram/Setup-Photo					
encountered during the sess occurrence and duration.	ion, includ	e time of						
				7				
			The state of the s					



Contract # / TO #	Client /	Project Na	me			Date		
		ry Engineers	s Inc				12.15.19	
		FL 33602						
DAS Project No.	Survey	Survey Firm					Operator Name	
19002	DAS	DAS				Chuck Harris		
Monument Name/Designation				Exact S	Exact Stamping (include photo in survey report)			
40J01								
Monument No./PID	Collecti	ion Type (c	ircle one)	File Nan	ne (receiver	r generated)		
(	ABGPS	S STATIC RTK 6684_1215_121124				1.m00		
Receiver Manufacturer	,	Receiver Model				Receiver	Serial No.	
N/A		N/A				N/A		
Data Collector Manufacturer		Data Collector Model				Data Collector Serial No.		
Leica		GS15				1506684		
Antenna Part No.		Antenna	a Model			Antenna	Serial No.	
4255298		N/A				N/A		
Starting Antenna Height in F	eet	Starting	g Antenna F	leight in M	leters	Type of N	Measurement (circle one)	
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP	
Ending Antenna Height in Fe	et	Ending	Antenna H	eight in Mo	eters	Type of N	Measurement (circle one)	
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	ERTICAL ARP	
Antenna Reference Point (inc	clude and re	eference a	dimensional	diagram in	Survey Re	port)		
(e.g., bottom edge of notch in g	ground plan	e, Page 5, I	Figure 2)					
Start Date (UTC)	,	Start Time (UTC)				Approx. I	Lat. (if available)	
12.15.2019		20:10				N 30 4 34	4.28404	
End Date (UTC)		End Tin	ne (UTC)			Approx. I	Long. (if available)	
12.15.2019		0:30				W 83 34	31.06535	
Describe any abnormalities a	and/or prot	olems	Site Dia	gram/Setu	p-Photo			

Describe any abnormalities and/or problems encountered during the session, include time of occurrence and duration.





Client /	Project Na	me				Date	
	-	s Inc				12.16.2019	
					Oneneter		
-	FILIII						
DAS					Chuck Harris		
			Exact S	Stamping (ir	nclude photo in survey report)		
Collecti	on Type (d	circle one)	File Na	<b>ne</b> (receiver	generated)		
ABGPS	STATIC	RTK	6684_1	216_045146	6.m00		
	Receive	er Model			Receiver	Serial No.	
	N/A				N/A		
	Data Co	ollector Mod	del		Data Col	lector Serial No.	
	GS15				1506684		
	Antenn	a Model			Antenna	Serial No.	
	N/A				N/A		
eet	Starting	g Antenna F	leight in N	leters	Type of Measurement (circle one)		
AVG	1	2 	3	AVG <b>1.5</b>	TRUE VE	ERTICAL ARP	
et	Ending		eight in M	eters	Type of I	Measurement (circle one)	
AVG	1	2 	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP	
lude and re	eference a	dimensional	diagram ii	n Survey Re	port)		
ground plan	e, Page 5,	Figure 2)					
	Start Ti	me (UTC)			Approx.	Lat. (if available)	
	12:51				N 30 4 34.28404		
	End Tin	ne (UTC)			Approx. Long. (if available)		
	0:10				W 83 34 31.06535		
Ind/or problems ion, include time of Site Diagram/Setup-Photo							
	Dewbern Tampa, Survey DAS  Collecti ABGPS  eet AVG et AVG	Dewberry Engineer Tampa, FL 33602  Survey Firm  DAS  Collection Type (content of the part	Collection Type (circle one)  ABGPS STATIC RTK  Receiver Model N/A  Data Collector Model Stating Antenna House AVG 1 2  Ending Antenna House AVG 1 2  Lude and reference a dimensional fround plane, Page 5, Figure 2)  Start Time (UTC) 12:51  End Time (UTC) 0:10  Ind/or problems Site Diagonal for the control of the control	Dewberry Engineers Inc Tampa, FL 33602  Survey Firm  DAS    Exact Stact	Dewberry Engineers Inc Tampa, FL 33602  Survey Firm  DAS    Exact Stamping (in	Dewberry Engineers Inc Tampa, FL 33602  Survey Firm  DAS  Chuck H  Exact Stamping (include photo Ghuck H  Exact Stamping (include photo) Ghuck H  Exact Stampi	



Contract # / TO #		Project Na					Date		
		y Engineer	s Inc				11/25/2019		
DAS Project No.	Survey I	FL 33602 Firm				Operator	Name		
19002	DAS	DAS					Chuck Harris		
Monument Name/Designation		Exact Stamping					include photo in survey report)		
40J02									
	0-114	<b>T</b> (-	·	File No.	/				
Monument No./PID		on Type (c				r generated)			
(	ABGPS	STATIC	RTK	1514_1	126_074045	5.m00			
Receiver Manufacturer		Receive	r Model			Receiver	Serial No.		
N/A		N/A				N/A			
Data Collector Manufacturer		Data Co	llector Mod	del		Data Col	lector Serial No.		
Leica		GS15				1501514			
Antenna Part No.		Antenna	a Model			Antenna	Serial No.		
3725413		N/A				N/A			
Starting Antenna Height in Fe		_	Antenna F	_	leters .	Type of I	Measurement (circle one)		
1 2 3	AVG	1	2 	3	AVG <b>1.5</b>	TRUE VERTICAL ARP			
Ending Antenna Height in Fe		_	Antenna H	_		Type of I	Measurement (circle one)		
1 2 3	AVG	1	2 	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP		
Antenna Reference Point (ind (e.g., bottom edge of notch in g				diagram ii	n Survey Re	port)			
Start Date (UTC)	1	Start Ti	me (UTC)			Approx. Lat. (if available)			
11/25/2019		21:40	. (,			N 30 4 34.18855			
End Date (UTC)		End Tin	ne (UTC)			Approx. Long. (if available)			
11/26/2019		1:00				W 83 34 30.09108			
Describe any abnormalities a encountered during the sess occurrence and duration.			Site Dia	gram/Setu	ip-Photo				



Contract # / TO #	Client /	Project Na	me			Date			
		ry Engineer	s Inc				11/26/2019		
DAS Project No.	Survey	FL 33602 Firm				Operator	· Name		
						Chuck Harris			
19002	DAS								
Monument Name/Designation				Exact S	Stamping (ir	nclude photo	in survey report)		
40J02									
Monument No./PID	Collecti	on Type (c	ircle one)	File Na	ne (receiver	generated)			
<	ABGPS	STATIC	RTK	1514_1	126_074045	5.m00			
Receiver Manufacturer		Receive	er Model			Receiver	Serial No.		
N/A		N/A				N/A			
Data Collector Manufacturer		Data Co	ollector Mod	del		Data Col	lector Serial No.		
Leica		GS15	mooto: mo			1501514	iodioi donai itoi		
Antenna Part No.		Antenna	a Model			Antenna	Serial No.		
3725413		N/A				N/A			
Starting Antenna Height in F	eet	Starting	Antenna F	leight in N	leters	Type of Measurement (circle one)			
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP		
Ending Antenna Height in Fe		_	Antenna H	_		Type of I	Measurement (circle one)		
1 2 3	AVG	1	2 <b> </b>	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP		
Antenna Reference Point (inc	clude and re	eference a d	dimensional	diagram ir	n Survey Re	port)			
(e.g., bottom edge of notch in g	ground plan	e, Page 5,	Figure 2)						
Start Date (UTC)		Start Ti	me (UTC)			Approx.	Lat. (if available)		
11/26/2019		12:44	` ,			N 30 4 34.18550			
End Date (UTC)		End Tin	ne (UTC)			Approx. Long. (if available)			
11/26/2019		22:17				W 83 34 30.09108			
Describe any abnormalities a	and/or prok	olems	Site Dia	gram/Setu	ıp-Photo				
encountered during the sess	ion, includ	le time of							
occurrence and duration.									
							and the control of th		
						$\exists 11 >$			
						(10)			
						* >//			
					All A				
					posterior Control				



Contract # / TO #	Client /	Project Na	me			Date			
		ry Engineer	s Inc			12.15.2019			
DAC Project No.		FL 33602			-	Omeneter			
DAS Project No.	Survey	FILIII				Operator Name			
19002	DAS					Chuck Harris			
Monument Name/Designation				Exact S	Stamping (ir	nclude photo in survey report)			
40J02									
Monument No./PID	Collecti	on Type (d	circle one)	File Na	<b>ne</b> (receiver	generated)			
<	ABGPS	STATIC	RTK	1514_1	215_152114	1.m00			
Receiver Manufacturer		Receive	er Model			Receiver	Serial No.		
N/A		N/A				N/A			
Data Collector Manufacturer		Data Co	ollector Mod	del		Data Col	lector Serial No.		
Leica		GS15				1501514			
Antenna Part No.		Antenn	a Model			Antenna	Serial No.		
3725413		N/A				N/A			
Starting Antenna Height in F	eet	Starting	g Antenna H	leight in N	leters	Type of Measurement (circle one)			
1 2 3	AVG	1	2 	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP		
Ending Antenna Height in Fe	et	Ending	Antenna H	eight in M		Type of I	Measurement (circle one)		
1 2 3	AVG	1	2 	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP		
Antenna Reference Point (inc	clude and re	eference a	dimensional	diagram ir	_	port)			
(e.g., bottom edge of notch in g	ground plan	e, Page 5,	Figure 2)						
Start Date (UTC)		Start Ti	me (UTC)			Approx. Lat. (if available)			
12.15.2019		20:22				N 30 4 34.28404			
End Date (UTC)		End Tin	ne (UTC)			Approx. Long. (if available)			
12.15.2019		0:30				W 83 34 31.06535			
Describe any abnormalities a encountered during the sess occurrence and duration.			Site Dia	gram/Setu	ip-Photo				



Contract # / TO #	Client /	Project Na	me			Date		
		ry Engineer	s Inc				12.16.2019	
		FL 33602						
DAS Project No.	Survey	Firm				Operator Name		
19002	DAS					Cynthia Williams		
Monument Name/Designation				Exact S	Stamping <i>(ir</i>	nclude photo in survey report)		
40J02								
Monument No./PID	Collecti	on Type (c	circle one)	File Na	me (receiver	generated		
<	ABGPS	STATIC	RTK	1514_1	216_075701	I.m00		
Receiver Manufacturer		Receive	er Model			Receive	er Serial No.	
N/A		N/A				N/A		
Data Collector Manufacturer		Data Co	ollector Mo	del		Data Co	ollector Serial No.	
Leica		GS15				1501514	1	
Antenna Part No.		Antenna	a Model			Antenn	a Serial No.	
3725413		N/A				N/A		
Starting Antenna Height in F	eet	Starting	Antenna I	leight in N	/leters	Type of Measurement (circle one)		
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE V	ZERTICAL ARP	
Ending Antenna Height in Fe	et	Ending	Antenna H	eight in M		Type of	Measurement (circle one)	
1 2 3	AVG 	1	2 <b> </b>	3	AVG 1.5	TRUE V	ZERTICAL ARP	
Antenna Reference Point (inc	clude and re	eference a d	dimensional	diagram ii	n Survey Re	port)		
(e.g., bottom edge of notch in g	ground plan	e, Page 5,	Figure 2)					
Start Date (UTC)		Start Ti	me (UTC)			Approx	. Lat. (if available)	
12.16.2019		12:57			N 30 4 34.28404			
End Date (UTC)		End Tin	ne (UTC)			Approx. Long. (if available)		
12.16.2019		0:35				W 83 34 31.06535		
Describe any abnormalities a encountered during the sess occurrence and duration.			Site Dia	gram/Setu	ıp-Photo			



Contract	# / TO #			Project Na					Date	
				ry Engineers	s Inc				01.09.2020	
		l		FL 33602					01.09.2020	
DAS Proj	ect No.		Survey I	Firm				Operator	Name	
19002			DAS					Geoffrey	McCall	
Monumen	nt Name/Desi	gnation				Exact S	tamping (ir	nclude photo	in survey report)	
LCQ01	LCQ01									
Monumer	nt No./PID		Collection	on Type (c	ircle one)	File Nan	ne (receiver	generated)		
		<b>(</b>	ABGPS	STATIC	RTK	6684_01	6684_0109_075006.m00			
Receiver	Manufacture	er		Receive	er Model			Receiver	Serial No.	
N/A				N/A				N/A		
Data Coll	lector Manuf	acturer		Data Co	ollector Mod	del		Data Collector Serial No.		
Leica				GS15				1506684		
Antenna	Part No.			Antenna	a Model			Antenna	Serial No.	
4255298				N/A				N/A		
Starting /	Antenna Hei	ght in Fe	et	Starting	Antenna F	leight in Meters Type of Measureme			Measurement (circle one)	
1	2	3 	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP	
Ending A	ntenna Heig	ht in Fe	et	Ending	Antenna H	eight in Me	eters	Type of N	Measurement (circle one)	
1	2	3 	AVG	1	2 	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP	
Antenna	Reference P	oint (inc	lude and re	eference a	dimensional	diagram in	Survey Re	port)		
	om edge of n					٠	•	,		
Start Date	e (UTC)			Start Tir	me (UTC)			Approx.	Lat. (if available)	
1/9/2020	0			15:45				N 30 11 1	0.60129	
End Date	(UTC)	End Time (UTC)						Approx.	Long. (if available)	
1/10/2020 5:35								W 82 34 9	50.08253	
Describe	any abnorm	nalities a	nd/or prob	lems	Site Dia	gram/Setu	p-Photo			
encounte	ered during t	he sessi	on, includ	e time of						
occurren	ce and durat	tion.		'						





Contract # / TO #		Project Na					Date	
		ry Engineer	s Inc				01.15.2020	
		FL 33602						
DAS Project No.	Survey	Firm				Operato	or Name	
19002	DAS					Geoffre	y McCall	
Monument Name/Designation	1			Exact S	Exact Stamping (include photo in survey report)			
LCQ01								
Monument No./PID	Collecti	ion Type (c	circle one)	File Nan	ne (receiver	generated)		
	ABGPS	STATIC	RTK	6684_01	115_113006	3.m00		
Receiver Manufacturer		Receive	er Model			Receive	er Serial No.	
N/A		N/A				N/A		
Data Collector Manufacturer	,	Data Co	ollector Mod	del		Data Co	ollector Serial No.	
Leica		GS15				1506684		
Antenna Part No.	-	Antenna	a Model			Antenna	a Serial No.	
4255298		N/A				N/A		
Starting Antenna Height in F	eet	Startinç	g Antenna F	leight in M	eters	Type of	Measurement (circle one)	
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE V	ERTICAL ARP	
Ending Antenna Height in Fe	eet	Ending	Antenna H	eight in Me	eters	Type of Measurement (circle one)		
1 2 3	AVG	1	2	3 	AVG <b>1.5</b>	TRUE V	ERTICAL ARP	
Antenna Reference Point (in	clude and re	eference a	dimensional	l diagram in	Survey Re	port)		
(e.g., bottom edge of notch in								
Start Date (UTC)	1	Start Ti	me (UTC)			Approx.	. Lat. (if available)	
1/15/2020		19:30				N 30 11	10.60129	
End Date (UTC)	(UTC) End Time (UTC)					Approx.	. Long. (if available)	
1/16/2020	2:40				W 82 34	50.08253		
Describe any abnormalities encountered during the sessoccurrence and duration.	-		Site Dia	ıgram/Setu	p-Photo	_		





Contract # / TO #		Project Na					Date	
	Dewberr	ry Engineer	rs Inc				01.16.2020	
		FL 33602						
DAS Project No.	Survey	Firm				Operato	or Name	
19002	DAS					Geoffre	y McCall	
Monument Name/Designation				Exact S	Exact Stamping (include photo in survey report)			
LCQ01								
Monument No./PID	Collecti	ion Type (c	circle one)	File Nan	ne (receiver	generated)		
<	ABGPS	STATIC	RTK	6684_01	116_135957	7.m00		
Receiver Manufacturer		Receive	er Model		ı	Receive	er Serial No.	
N/A		N/A				N/A		
Data Collector Manufacturer		Data Co	ollector Mod	del		Data Co	Illector Serial No.	
Leica		GS15				1506684		
Antenna Part No.		Antenna	a Model			Antenna	a Serial No.	
4255298		N/A				N/A		
Starting Antenna Height in F	eet	Startinç	g Antenna F	Height in M	eters	Type of	Measurement (circle one)	
1 2 3	AVG	1	2	3 	AVG <b>1.5</b>	TRUE VERTICAL ARP		
Ending Antenna Height in Fe	et	Ending	Antenna H	eight in Me	eters	Type of Measurement (circle one)		
1 2 3	AVG	1	2	3 	AVG <b>1.5</b>	TRUE V	ERTICAL ARP	
Antenna Reference Point (in	clude and re	eference a	dimensional	l diagram in	Survey Re	port)		
(e.g., bottom edge of notch in	ground plan	e, Page 5,	Figure 2)				1	
Start Date (UTC)	1	Start Ti	ime (UTC)			Approx.	. Lat. (if available)	
1/16/2020		22:00				N 30 11	10.60129	
End Date (UTC)	End Date (UTC) End Time (UTC)						. Long. (if available)	
1/17/2020		2:00				W 82 34	50.08253	
Describe any abnormalities a encountered during the sess occurrence and duration.	-		Site Dia	ıgram/Setu	p-Photo	_		





Contract # / TO #	Client /	Project Na	me				Date		
	Dewberr	y Engineer	s Inc				04.47.0000		
	Tampa,	FL 33602					01.17.2020		
DAS Project No.	Survey	Firm				Operator	Name		
19002	DAS					Geoffrey McCall			
Monument Name/Designation				Exact Stamping (include photo in survey report)					
LCQ01									
Monument No./PID	Collecti	on Type (c	ircle one)	File Nam	e (receiver	generated)			
(	ABGPS	GPS) <b>STATIC</b> RTK 6684_0117_05374					1.m00		
Receiver Manufacturer	anufacturer Receiver Model				Receiver Serial No.				
N/A				N/A					
Data Collector Manufacturer	llector Mod	el Data Collector Serial No.			lector Serial No.				
Leica	ica GS15					1506684			
Antenna Part No.	Antenna Part No. Antenna Model					Antenna	Serial No.		
4255298		N/A				N/A			
Starting Antenna Height in Fe	eet	Starting	Antenna H	Antenna Height in Meters Ty			Measurement (circle one)		
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP		
Ending Antenna Height in Fe	et	Ending	Antenna Ho	eight in Me	ters	Type of I	Measurement (circle one)		
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP		
Antenna Reference Point (inc	lude and re	eference a d	dimensional	diagram in	Survey Rep	port)			
(e.g., bottom edge of notch in g	round plan	e, Page 5, i	Figure 2)						
Start Date (UTC)	me (UTC)			Approx.	Lat. (if available)				
1/17/2020 13:37						N 30 11 1	0.60129		
End Date (UTC)	End Tim	ne (UTC)	Approx. Long. (if available)			Long. (if available)			
1/17/2020	20:10				W 82 34 9	50.08253			
Describe any abnormalities a encountered during the sess occurrence and duration.			Site Dia	gram/Setup	o-Photo	_			





Contract # / TO #		Project Na					Date	
		ry Engineer	rs Inc				01.18.2020	
		FL 33602						
DAS Project No.	Survey	Firm				Operato	or Name	
19002	DAS					Geoffre	y McCall	
Monument Name/Designation	1			Exact S	tamping (ir	nclude phot	to in survey report)	
LCQ01								
Monument No./PID	Collecti	ion Type (c	circle one)	File Name (receiver generated)				
	ABGPS	STATIC	RTK	6684_0118_055707.m00				
Receiver Manufacturer		Receive	er Model			Receive	er Serial No.	
N/A	/A N/A					N/A		
Data Collector Manufacture	r	Data Co	ollector Mod	del		Data Collector Serial No.		
Leica					1506684	١		
Antenna Part No.		Antenn	na Model			Antenna	a Serial No.	
4255298		N/A				N/A		
Starting Antenna Height in F	eet	Starting	g Antenna H	leight in M	leters	Type of	Measurement (circle one)	
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE V	ERTICAL ARP	
Ending Antenna Height in F	eet	Ending	Antenna He	eight in Me		Type of	Measurement (circle one)	
1 2 3	AVG	1	, 1 1	3 I I	AVG <b>1.5</b>		ERTICAL ARP	
Antenna Reference Point (in	saluda and ru	oforonce a	dimonsiona	l diagram ir	_	204)		
(e.g., bottom edge of notch in				ulayram				
Start Date (UTC)		Start Ti	ime (UTC)			Approx.	. Lat. (if available)	
1/18/2020				N 30 11	10.60129			
End Date (UTC)	me (UTC)			Approx.	. Long. (if available)			
1/18/2020				W 82 34	50.08253			
Describe any abnormalities encountered during the ses			Site Dia	ıgram/Setu	p-Photo	_		





Contrac	ct # / TO #			Project Na					Date		
		ľ		ry Engineer	s Inc				01.20.2020		
				FL 33602							
DAS Pr	oject No.	ļ	Survey	Firm				Operato	or Name		
19002			DAS				Geoffrey McCall				
Monum	ent Name/De	esignation				Exact S	tamping (in	nclude phot	o in survey report)		
LCQ01											
Monum	ent No./PID	,	Collecti	ion Type (c	circle one)	File Nan	File Name (receiver generated)				
			ABGPS STATIC RTK				6684_0120_114312.m00				
Receive	er Manufact	urer		Receive	er Model			Receive	er Serial No.		
N/A			N/A					N/A			
Data Co	ollector Man	nufacturer	Data Collector Model					Data Collector Serial No.			
Leica	eica GS15							1506684			
Antenn	Antenna Part No. Antenna Model							Antenna	a Serial No.		
4255298				N/A				N/A			
Starting	g Antenna H	leight in F	eet	Startinç	g Antenna F	leight in M	leters	Type of	Measurement (circle one)		
1	2 	3	AVG	1	2 	3	AVG <b>1.5</b>		ERTICAL ARP		
Ending	Antenna He	eight in Fe	et	Ending	Antenna H	eight in Me		Type of	Measurement (circle one)		
1	2	3 	AVG	1	2 	3 	AVG <b>1.5</b>		ERTICAL ARP		
Antenn	a Reference	e Point (inc	clude and re	eference a	dimensional	l diagram in	Survey Re	port)			
(e.g., bo	ottom edge o	of notch in g	ground plan	e, Page 5,	Figure 2)						
Start Da	ate (UTC)			Start Ti	me (UTC)			Approx.	. Lat. (if available)		
1/20/2020 19:42								N 30 11	10.60129		
End Date (UTC) End Time (UTC)					ne (UTC)			Approx.	. Long. (if available)		
1/21/2020 3:25								W 82 34	50.08253		
Describe any abnormalities and/or problems encountered during the session, include time of occurrence and duration.  Site Diagram/Setup-Photo											





Contract # / TO #		Project Na					Date		
		ry Engineer	s Inc				01.21.2020		
		FL 33602							
DAS Project No.	Survey	Firm				Operato	or Name		
19002	DAS					Geoffre	y McCall		
Monument Name/Designation	esignation				Exact Stamping (include photo in survey report)				
LCQ01									
Monument No./PID	Collecti	ion Type (c	circle one)	File Name (receiver generated)					
	ABGPS	STATIC	RTK	6684_01	6684_0121_044624.m00				
Receiver Manufacturer		Receiver Model				Receive	er Serial No.		
N/A	N/A					N/A			
Data Collector Manufacturer	,	Data Co	ollector Mod	del		Data Collector Serial No.			
Leica	GS15					1506684			
Antenna Part No.		Antenna	a Model			Antenna	a Serial No.		
4255298		N/A				N/A			
Starting Antenna Height in F	eet	Starting	g Antenna H	leight in M	eters	Type of	Measurement (circle one)		
1 2 3	AVG	1	2	3 	AVG <b>1.5</b>	TRUE V	ERTICAL ARP		
Ending Antenna Height in Fe	eet	Ending	Antenna H	eight in Me	eters	Type of	Measurement (circle one)		
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE V	ERTICAL ARP		
Antenna Reference Point (in	clude and re	eference a d	dimensional	diagram in	Survey Re	port)			
(e.g., bottom edge of notch in	ground plan	e, Page 5,	Figure 2)						
Start Date (UTC)	1	Start Ti	me (UTC)			Approx.	. Lat. (if available)		
1/21/2020				N 30 11	10.60129				
End Date (UTC)	ne (UTC)			Approx.	. Long. (if available)				
1/22/2020				W 82 34	1 50.08253				
Describe any abnormalities encountered during the sessoccurrence and duration.	-		Site Dia	ıgram/Setu <sub>l</sub>	p-Photo				





Contract # / TO #		Project Na					Date		
		ry Engineer	's Inc				01.25.2020		
		FL 33602							
DAS Project No.	Survey	Firm				Operato	or Name		
19002	DAS					Geoffre	y McCall		
Monument Name/Designation	ame/Designation				Exact Stamping (include photo in survey report)				
LCQ01									
Monument No./PID	Collecti	ion Type (c	circle one)	File Name (receiver generated)					
	ABGPS	STATIC	RTK	6684_01	6684_0125_061546.m00				
Receiver Manufacturer		Receiver Model				Receive	er Serial No.		
N/A				N/A					
Data Collector Manufacturer	,	Data Co	ollector Mod	del	del Data Collector Serial No.				
Leica	GS15					1506684			
Antenna Part No.		Antenna	a Model			Antenna	a Serial No.		
4255298		N/A				N/A			
Starting Antenna Height in F	eet	Starting	g Antenna H	Height in M	eters	Type of	Measurement (circle one)		
1 2 3	AVG	1	2	3 	AVG <b>1.5</b>	TRUE V	ERTICAL ARP		
Ending Antenna Height in Fo	eet	Ending	Antenna H	eight in Me	eters	Type of	Measurement (circle one)		
1 2 3	AVG	1	2	3 	AVG <b>1.5</b>	TRUE V	ERTICAL ARP		
Antenna Reference Point (in	clude and re	eference a (	dimensional	l diagram in	Survey Re	port)			
(e.g., bottom edge of notch in	ground plan	ie, Page 5,	Figure 2)						
Start Date (UTC)	1	Start Tir	me (UTC)			Approx.	. Lat. (if available)		
1/25/2020				N 30 11	10.60129				
End Date (UTC)	ne (UTC)			Approx.	. Long. (if available)				
1/22/2020				W 82 34	50.08253				
Describe any abnormalities encountered during the sessoccurrence and duration.	-		Site Dia	ıgram/Setu	p-Photo				





Contract # / TO #		Project Na					Date	
		ry Engineers	s Inc				01.09.2020	
	Tampa,	FL 33602					01.09.2020	
DAS Project No.	Survey	Firm				Operato	or Name	
19002	DAS					Geoffrey McCall		
Monument Name/Designation				Exact S	tamping (ir	nclude phot	o in survey report)	
LCQ02								
Monument No./PID	circle one)	File Nar	ne (receiver	r generated)				
<						2.m00		
Receiver Manufacturer		Receive	er Model			Receive	er Serial No.	
N/A	I	N/A				N/A		
Data Collector Manufacturer	-	Data Cc	ollector Mod	del		Data Collector Serial No.		
Leica	l	GS15				1501514		
Antenna Part No.	-	Antenna	a Model			Antenna	a Serial No.	
3725413		N/A				N/A		
Starting Antenna Height in F	eet	Starting	g Antenna H	leight in M	leters	Type of	Measurement (circle one)	
1 2 3	AVG	1	2	3 	AVG <b>1.5</b>	TRUE V	ERTICAL ARP	
Ending Antenna Height in Fe	et	Ending	Antenna He	eight in Me	eters	Type of	Measurement (circle one)	
1 2 3	AVG	1	2	3	AVG <b>1.5</b>		ERTICAL ARP	
Antenna Reference Point (inc	clude and re	eference a c	dimensional	diagram in	Survey Re	port)		
(e.g., bottom edge of notch in (	ground plan	e, Page 5, I	Figure 2)					
Start Date (UTC)		Start Tir	me (UTC)			Approx.	. Lat. (if available)	
1/9/2020				N 30 11	09.64997			
End Date (UTC)	ne (UTC)			Approx.	. Long. (if available)			
1/10/2020				W 82 34	51.15565			
Describe any abnormalities a	-		Site Dia	ıgram/Setu <sub>l</sub>	p-Photo			
encountered during the sess	ion. inclucٰد	le time of						

occurrence and duration.





Contract # / TO #	Client /	Project Na	me				Date	
		ry Engineers	s Inc				01.15.2020	
		mpa, FL 33602						
DAS Project No.	Survey	Survey Firm				Operator Name		
19002	DAS					Geoffrey McCall		
Monument Name/Designation				Exact S	tamping (ir	nclude photo	in survey report)	
LCQ02								
Monument No./PID	Collecti	ection Type (circle one) File Name (recei				generated)		
	ABGPS	STATIC RTK 1514_0115_143635				5.m00		
Receiver Manufacturer		Receiver Model				Receiver	Serial No.	
N/A		N/A				N/A		
Data Collector Manufacturer		Data Collector Model				Data Collector Serial No.		
Leica		GS15				1501514		
Antenna Part No.		Antenna	a Model			Antenna	Serial No.	
3725413		N/A				N/A		
Starting Antenna Height in F	eet	Starting	g Antenna H	leight in M	leters	Type of N	Measurement (circle one)	
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP	
Ending Antenna Height in Fe	et	Ending	Antenna He	eight in Mo	eters	Type of N	Measurement (circle one)	
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP	
Antenna Reference Point (inc	clude and re	eference a c	dimensional	diagram in	Survey Re	port)		
(e.g., bottom edge of notch in g	ground plan	e, Page 5, I	Figure 2)					
Start Date (UTC)	1	Start Tir	me (UTC)			Approx. I	Lat. (if available)	
1/15/2020		19:35				N 30 11 0	9.64997	
End Date (UTC)	ne (UTC)			Approx. I	Long. (if available)			
1/16/2020		2:45				W 82 34 5	51.15565	
Describe any abnormalities a	and/or prot	olems	Site Dia	gram/Setu	p-Photo			

Describe any abnormalities and/or problems encountered during the session, include time of occurrence and duration.





Contract # / TO #	Client /	Project Na	me				Date	
	Dewberr	y Engineer	s Inc				04 40 0000	
	Tampa,	FL 33602					01.16.2020	
DAS Project No.	Survey	Firm				Operator	Name	
19002	DAS					Geoffrey McCall		
Monument Name/Designation			Exact S	tamping (ir	nclude photo	in survey report)		
LCQ02								
Monument No./PID	ircle one)	ccle one) File Name (receiver generated)						
(	RTK	1514_0116_170707.m00						
Receiver Manufacturer	er Model			Receiver	Serial No.			
N/A	N/A				N/A			
Data Collector Manufacturer	Data Co	llector Mod	lel		Data Col	lector Serial No.		
Leica	GS15				1501514			
Antenna Part No.		Antenna	a Model			Antenna	Serial No.	
3725413		N/A				N/A		
Starting Antenna Height in Fe	eet	Starting	Antenna F	leight in M	eters	Type of N	Measurement (circle one)	
1 2 3	AVG	1 2 3 AVG <b>1.5</b>				TRUE VE	ERTICAL ARP	
Ending Antenna Height in Fe	et	Ending	Antenna H	eight in Me	eters	Type of I	Measurement (circle one)	
1 2 3	AVG	1	2 	3	AVG <b>1.5</b>	TRUE VE	ERTICAL ARP	
Antenna Reference Point (inc	lude and re	eference a d	dimensional	diagram in	Survey Re	port)		
(e.g., bottom edge of notch in g	round plan	e, Page 5,	Figure 2)					
Start Date (UTC)		Start Ti	me (UTC)			Approx.	Lat. (if available)	
1/16/2020 22:05						N 30 11 09.64997		
End Date (UTC) End Time (U				e (UTC)			Approx. Long. (if available)	
1/17/2020 2:10						W 82 34	51.15565	
Describe any abnormalities a		Site Dia	gram/Setu	p-Photo				
encountered during the sess occurrence and duration.	ion, includ	e time of						





Contract # / TO #		Project Name		Date			
		ry Engineers Inc		01.17.2020			
		FL 33602					
DAS Project No.	Survey	Firm		Operator Name			
19002	DAS			Geoffrey McCall			
Monument Name/Designa	tion		Exact Stamping (ir	nclude photo in survey report)			
LCQ02							
Monument No./PID	Collecti	ion Type (circle one)	File Name (receiver	r generated)			
	ABGPS	STATIC RTK	1514_0117_084157	1514_0117_084157.m00			
Receiver Manufacturer		Receiver Model		Receiver Serial No.			
N/A			N/A				
Data Collector Manufactu	ırer	Data Collector Mod	Data Collector Serial No.				
Leica		GS15		1501514			
Antenna Part No.		Antenna Model		Antenna Serial No.			
3725413		N/A		N/A			
Starting Antenna Height	in Feet	Starting Antenna H	Height in Meters	Type of Measurement (circle one)			
1 2 3	AVG	1 2	3 AVG 1.5	TRUE VERTICAL ARP			
Ending Antenna Height in	n Feet	Ending Antenna H	eight in Meters	Type of Measurement (circle one)			
1 2 3	AVG	1 2	3 AVG	TRUE VERTICAL ARP			
Antenna Reference Point	t (include and re	oference a dimensiona	1.5	pnort)			
(e.g., bottom edge of notch	,		alagram in Survey No	рот)			
Start Date (UTC)		Start Time (UTC)		Approx. Lat. (if available)			
1/17/2020			N 30 11 09.64997				
End Date (UTC)		End Time (UTC)		Approx. Long. (if available)			
1/17/2020		20:15		W 82 34 51.15565			
Describe any abnormaliti encountered during the s occurrence and duration	session, includ		gram/Setup-Photo				





Contract # / TO #	Client /	Project Nar	me				Date	
		ry Engineers	s Inc				01.18.2020	
·		FL 33602					01.18.2020	
DAS Project No.	Survey	Firm				Operator Name		
19002	DAS					Geoffre	y McCall	
Monument Name/Designation		Exact Stampin				nclude phot	to in survey report)	
LCQ02								
Monument No./PID	Collecti	ion Type (ci	ircle one)	File Nan	ne (receiver	generated,		
	ABGPS	<b>STATIC</b> RTK 1514_0118_085256				პ.m00		
Receiver Manufacturer	1	Receive	Receiver Model				er Serial No.	
N/A		N/A				N/A	1	
Data Collector Manufacturer		Data Co	ollector Mod	del		Data Collector Serial No.		
Leica		GS15				1501514	4	
Antenna Part No.		Antenna	a Model			Antenna	a Serial No.	
3725413		N/A				N/A		
Starting Antenna Height in F	eet	Starting	g Antenna H	leight in M	eters	Type of	Measurement (circle one)	
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE V	ERTICAL ARP	
Ending Antenna Height in Fe	et	Ending	Antenna He	eight in Me	eters	Type of	Measurement (circle one)	
1 2 3	AVG	1   1	2	3	AVG <b>1.5</b>	TRUE V	ERTICAL ARP	
Antenna Reference Point (inc	clude and re	eference a c	dimensional	diagram in	Survey Re	port)	_	
(e.g., bottom edge of notch in g	ground plan	e, Page 5, I	Figure 2)					
Start Date (UTC)		Start Tir	me (UTC)			Approx.	. Lat. (if available)	
1/18/2020	13:50					N 30 11	09.64997	
End Date (UTC)	ne (UTC)			Approx	. Long. (if available)			
1/18/2020				W 82 34	51.15565			
Describe any abnormalities a encountered during the sess	Site Diag	gram/Setu <sub>l</sub>	p-Photo					

occurrence and duration.





Contract # / TO #		Client /	Project Na	me				Date	
		Dewberr	y Engineer	s Inc					
		Tampa,	FL 33602					01.20.2020	
DAS Project No.		Survey	Firm				Operator	Name	
19002		DAS					Geoffrey	McCall	
Monument Name/Des	signation				Exact S	Exact Stamping (include photo in survey report)			
LCQ02	<b>3</b>								
Monument No./PID Collection Type (circle one) File						ne (receivei	generated)		
ABGPS) STATIC RTK					1514_0120_145226.m00				
Receiver Manufactu	er Manufacturer Receiver Model						Receiver	Serial No.	
N/A N/A							N/A		
Data Collector Manu	ıfacturer		Data Co	llector Mo	del		Data Col	lector Serial No.	
Leica GS15						1501514			
Antenna Part No.			Antenna	a Model			Antenna	Serial No.	
3725413			N/A				N/A		
Starting Antenna He	eight in Fe	eet	Starting	Antenna I	leight in M	leters	Type of N	Measurement (circle one)	
1 2	3 <b> </b>	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP	
Ending Antenna Hei	ght in Fe	et	Ending	Antenna H	eight in Me	eters	Type of N	Measurement (circle one)	
1 2	3 <b> </b>	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE		
Antenna Reference	Point (inc	lude and re	eference a	dimensional	diagram in	Survey Re	port)		
(e.g., bottom edge of	notch in g	ground plan	e, Page 5,	Figure 2)	_				
Start Date (UTC)			Start Ti	me (UTC)			Approx.	Lat. (if available)	
1/20/2020 19:50							N 30 11 0	9.64997	
End Date (UTC) End Time (UTC)							Approx.	Long. (if available)	
1/21/2020 3:30							W 82 34	51.15565	
Describe any abnormalities and/or problems encountered during the session, include time of occurrence and duration.					gram/Setu	p-Photo			





			011 11	- · · · · ·					<b>-</b> :
Contrac	ct # / TO #	ļ		Project Na				Ī	Date
		ļ	Dewberr	ry Engineer	s Inc			Ī	24 24 2222
		ľ	Tampa,	FL 33602					01.21.2020
DAS Pro	oject No.		Survey I					Operator	Name
19002			DAS					Geoffrey	McCall
Monume	ent Name/De	esignation				Exact S	tamping (ii	nclude photo	in survey report)
LCQ02									
Monum	ent No./PID	ı	Collecti	Collection Type (circle one) File Name (receive					
		(	ABGPS	STATIC RTK 1514_0121_075123.				3.m00	
Receive	er Manufacti	urer		Receiver Model				Receiver	Serial No.
N/A				N/A				N/A	
Data Co	ollector Man	ufacturer		Data Collector Model				Data Coll	lector Serial No.
Leica				GS15				1501514	
Antenna	a Part No.			Antenna	a Model			Antenna	Serial No.
3725413				N/A				N/A	
Starting	g Antenna H	leight in F	eet	Starting	g Antenna F	Height in M	leters	Type of N	Measurement (circle one)
1	2	3	AVG	1	2	3	AVG		
-				·			1.5	TRUE VE	RTICAL ARP
Ending	Antenna He	eight in Fe	et	Ending	Antenna H	eight in Me	eters	Type of N	Measurement (circle one)
1	2	3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP
Antenna	a Reference	Point (inc	clude and re	eference a	dimensional	l diagram in	Survey Re	nort)	
	ottom edge o								
Start Da	ate (UTC)			Start Ti	me (UTC)	_		Approx.	Lat. (if available)
1/21/2020 12:50						N 30 11 0	9.64997		
End Date (UTC) End Time (UTC)					ne (UTC)	-		Approx.	Long. (if available)
1/22/2020 2:30								W 82 34 5	51.15565
Describe any abnormalities and/or problems Site D encountered during the session, include time of occurrence and duration.					Site Dia	igram/Setu	p-Photo		





Contrac	ct # / TO #			Project Na					Date	
		ļ		ry Engineers	s Inc				01.22.2020	
				FL 33602					01.22.2020	
DAS Pr	oject No.		Survey	Firm				Operator	Name	
19002			DAS					Geoffrey	McCall	
Monum	ent Name/Des	signation				Exact St	tamping (in	nclude photo	in survey report)	
LCQ02										
Monum	nent No./PID		Collecti	ion Type (c	ircle one)	File Name (receiver generated)				
	ABGPS STATIC RTK					1514_0122_085108.m00				
Receive	eiver Manufacturer Receiver Model							Receiver	Serial No.	
N/A N/A								N/A		
Data Collector Manufacturer Data Collector Mo					llector Mod	del		Data Coll	lector Serial No.	
Leica GS15								1501514		
Antenn	a Part No.			Antenna	a Model			Antenna	Serial No.	
3725413				N/A				N/A		
Starting	g Antenna He	eight in Fo	eet	Starting	Antenna H	leight in M	eters	Type of M	Measurement (circle one)	
1	2	3	AVG	1	2	3 	AVG <b>1.5</b>	TRUE VE	RTICAL ARP	
Ending	Antenna Hei	ight in Fe	et	Ending	Antenna H	eight in Me	eters	Type of M	Measurement (circle one)	
1	2	3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP	
Antenn	a Reference	Point (inc	lude and re	eference a c	dimensional	diagram in	Survey Re	port)		
(e.g., bo	ottom edge of	notch in g	round plan	e, Page 5, I	Figure 2)					
Start Da	ate (UTC)			Start Tir	me (UTC)			Approx. I	Lat. (if available)	
1/22/2020 13:50:00 PM					0 PM			N 30 11 0	9.64997	
End Date (UTC) End Time (UTC)					ne (UTC)			Approx. I	Long. (if available)	
1/22/2020 16:03								W 82 34 5	51.15565	
	oe any abnor		-		Site Dia	gram/Setu	p-Photo			
	ntered during		ion, includ	e time of						
occurre	ence and dur	ation.		!						





Contract # / TO #		Project Name					Date
		ry Engineers Ind	iC				01.25.2020
		FL 33602					
DAS Project No.	Survey I	Firm				Operator	Name
19002	DAS					Geoffrey	McCall
Monument Name/Designation				Exact Sta	mping (in	nclude photo	in survey report)
LCQ02							
Monument No./PID	Collecti	ion Type (circle	e one)	File Name	e (receiver	generated)	
	ABGPS	STATIC	RTK	1514_012	25_092138	3.m00	
Receiver Manufacturer		Receiver Mo	iodel			Receiver	Serial No.
N/A		N/A				N/A	
Data Collector Manufacturer		Data Collec	ctor Mod	iel	Ī	Data Coll	lector Serial No.
Leica		GS15				1501514	
Antenna Part No.		Antenna Mo	odel			Antenna	Serial No.
3725413		N/A				N/A	
Starting Antenna Height in Fe	eet	Starting An	ntenna H	leight in Met	ters	Type of N	Measurement (circle one)
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	RTICAL ARP
Ending Antenna Height in Fe	et	Ending Anto	tenna He	eight in Met	ers	Type of N	Measurement (circle one)
1 2 3	AVG	1	2	3	AVG <b>1.5</b>	TRUE VE	ERTICAL ARP
Antenna Reference Point (inc (e.g., bottom edge of notch in g				diagram in S	Survey Rep	port)	
Start Date (UTC)	1	Start Time (	(UTC)			Approx.	Lat. (if available)
1/25/2020		14:35				N 30 11 0	9.64997
End Date (UTC)		End Time (U	UTC)			Approx.	Long. (if available)
1/25/2020		17:30				W 82 34 5	51.15565
Describe any abnormalities a encountered during the sessi occurrence and duration.			Site Diag	gram/Setup-	-Photo		





Droject/E	light Plan:	FI States	wide 119		Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)	:	Sensor Operator
Project/F	iigiit Fiaii.	rt State	wide 115		1	16	1		8	10	01.39		Chuck Harris
Date/	Julian:	11/25/2019			Disk Driv	e			Sensor				Pilot
Hobb	os End	2097.1		TM	MM30 (10	1, 102)			TM_90524				Wes Ashmore
Hob	bs ST	2094.2		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Flight	t Time	2.9		4,80	00	160	40J01		40J02		1.500	C421-N112MJ	40J (Perry, FL)
			UTC	time:				Available		Posit	ion Acc.		
	Flight Line	Mission Line	Begin:	End:	Direction	GPS Altitude	Speed	MM Space	S/Vs	AVG PDOP	AVG HDOP	Comn	nents and Conditions:
	1	1	22:18	22:20	5°	4747	152	7153	16	1.5	0.9		
	2	2	22:24	22:26	186°	4757	153	7144	16	1.6	0.9		
	3	3	22:30	22:32	5°	4785	151	7134	18	1.6	0.9		
	4	4	22:36	22:39	184°	4791	154	7123	18	1.3	0.7		
	5	5	22:42	22:45	5°	4780	152	7110	19	1.1	0.7		
	6	6	22:50	22:53	186°	4811	158	7093	20	1.2	0.7		
	7	7	22:57	23:00	4°	4815	152	7081	20	1.2	0.7		
	8	8	23:04	23:07	185°	4823	150	7067	21	1.2	0.7		
	9	9	23:12	23:15	4°	4834	152	7052	22	1.1	0.6		
	10	10	23:20	23:23	185°	4814	155	7033	21	1.2	0.6		
	11	11	23:28	23:32	4°	4789	153	7013	23	1.1	0.6		
	12	12	23:36	23:41	185°	4786	155	6992	21	1.2	0.6		
	13	13	23:45	23:49	5°	4811	155	6975	21	1.3	0.6		
	14	14	23:53	23:58	185°	4789	155	6953	21	1.3	0.6		
	15	15	:3	:7	5°	4821	157	6930	22	1.4	0.6		
	16	16	:12	:16	185°	4820	150	6908	24	1.2	0.6		
	17	17	:21	:26	5°	4830	155	6885	24	1.2	0.6		
	18	18	:30	:35	185°	4857	149	6861	23	1.2	0.6		
	19	19	:40	:45	0°	4853	156	6838	23	1.2	0.6		
	20	20	:49	:54	185°	4863	152	6817	23	1.1	0.6		



Duningt /F	liakt Dlam	El Chata			Lift	Temp °C	Before	Temp	°C After	Press	ure (kPa)		Sensor Operator
Project/F	light Plan:	FL State	wide 119		2	8		-	16	10	01.83		Chuck Harris
Date/	Julian:	11/26/2019			Disk Driv	e			Sensor				Pilot
Hobi	os End	2099.1		TM	MM30 (10	1, 102)			TM_90524				Wes Ashmore
Hob	bs ST	2097.1		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	2		4,80	00	160	40J01		40J02		1.500	C421-N112MJ	40J (Perry, FL)
,			UTC	time:				Available	26.	Posit	ion Acc.		
	Flight Line	Mission Line	Begin:	End:	Direction	GPS Altitude	Speed	MM Space	S/Vs	AVG PDOP	AVG HDOP	Comn	nents and Conditions:
	60	60	13:33	13:46	6°	4803	159	6788	14	1.6	0.9		
	59	59	13:50	14:04	186°	4787	155	6727	14	1.4	0.8		
	61	61	14:08	14:22	6°	4819	154	6660	14	1.4	0.8		
	62	62	14:26	14:39	185°	4814	148	6592	14	1.4	0.8	Clo	uds last 6 - 3.5 mile
	70	70	14:43	14:56	5°	4846	153	6531	15	1.4	0.8		
	71	71	15:01	15:14	186°	4844	149	6467	15	1.5	0.8	Cl	ouds last 8 - 4 mile



Duois et /F	liaht Dlam	El Chaha	d. 110		Lift	Temp °C	Before	Temp °	°C After	Pressi	ıre (kPa)		Sensor Operator
Project/F	light Plan:	rt State	wide 119		3	21		2	<u>!</u> 1	10	1.69		Chuck Harris
Date/.	Julian:	11/26/2019			Disk Driv	e			Sensor				Pilot
Hobb	s End	2102.3		TM	MM30 (10	1, 102)			TM_90524				Wes Ashmore
Hob	bs ST	2099.1		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Flight	Time	3.2		4,80	00	160	40J01		40J02		1.500	C421-N112MJ	40J (Perry, FL)
			UTC	time:				Available		Posit	ion Acc.		
	Flight Line	Mission Line	Begin:	End:	Direction	GPS Altitude	Speed	MM Space	S/Vs	AVG PDOP	AVG HDOP	Comr	nents and Conditions:
	21	21	19:02	19:07	5°	4824	157	6401	25	1.0	0.6		
	22	22	19:11	19:17	185°	4765	151	6377	25	1.0	0.6		
	23	23	19:21	19:28	5°	4814	155	6551	20	1.2	0.7		
	24	24	19:32	19:39	184°	4476	140	6317	20	1.1	0.7		
	25	25	19:43	19:51	5°	4826	153	6279	22	1.0	0.7		
	26	26	19:55	20:03	185°	4791	153	6244	21	1.2	0.7		
	27	27	20:08	20:19	5°	4804	156	6208	22	1.3	0.8		
	28	28	20:24	20:38	185°	4812	151	6171	19	1.5	0.8		
	29	29	20:42	20:56	5°	4818	155	6099	22	1.3	0.7		
	40	40	20:59	21:13	185°	4776	157	6035	22	1.4	0.7		
	41	41	21:17	21:31	5°	4821	152	5972	21	1.3	0.7		
	42	42	21:34	21:48	185°	4800	155	5908	23	1.0	0.6		



					Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)	:	Sensor Operator	
Project/F	light Plan:	TM_FL_S	tatewide		4	23	}	1	.3				Cynthia Williams	
Date/	Julian:	12.15.19			Disk Driv	e			Sensor	•			Pilot	
Hobb	s End	4873.4		TIV	MM30 (10	7, 108)			TM_90524	ļ			Wes Ashmore	
Hob	bs ST	4870.3		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:	
Fligh	t Time	3.1		4,80	00	40J01			40J02		1.500	C421_N811A	40J (Perry, FL)	
,			UTC	time:				Available		Posi	tion Acc.			
	Flight Line	Mission Line	Begin:	End:	Direction	GPS Altitude	Speed	MM Space	S/Vs	AVG PDOP	AVG HDOP	Comn	nents and Conditions:	
	30	30	21:16	21:30	6°	4810	151	6984	18	1.3	0.8		gimbal pav	
	31	31	21:33	21:48	185°	4798	153	6917	17	1.5	0.8			
	32	32	21:50	22:04	6°	4824	156	6852	20	1.1	0.6	_		
	33	333	22:07	2:22	185°	4796	152	6784	22	1.1	0.6			
	34	34	22:25	22:39	6°	4839	152	61719	22	1.3	0.6			
	35	35	22:42	22:56	185°	4797	155	6652	22	1.5	0.6			
	36	36	22:58	23:13	5°	4838	155	6586	24	1.3	0.6			
	37	37	23:15	23:29	187°	4785	152	6520	22	1.3	0.6			
	38	38	23:32	23:42	5°	4816	159	6453	22	1.2	0.6			
	39	39	23:50	:4	185°	4786	154	6387	19	1.3	0.7			
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Duainet /F	liaht Dlan.	T0.4 51 6	· · · · · · · · · · · · · · · · · · ·		Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)		Sensor Operator
Project/F	light Plan:	TIVI_FL_3	Statewide		5	13	}	2	<b>!</b> 5	10	02.24		Cynthia Williams
Date/	Julian:	12.15.19			Disk Driv	e			Sensor				Pilot
Hobb	os End	4876.5		TM	MM30 (10	7, 108)			TM_90524				Wes Ashmore
Hob	bs ST	4873.4		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Flight	t Time	3.1		4,80	00	40J01			40J02		1.500	C421_N811A	40J (Perry, FL)
			UTC	time:				Available		Posit	ion Acc.		
	Flight Line	Mission Line	Begin:	End:	Direction	GPS Altitude	Speed	MM Space	S/Vs	AVG PDOP	AVG HDOP	Comr	nents and Conditions:
	43	43	13:40	13:54	4°	4790	160	6323	14	1.4	0.8		
	44	44	13:57	14:11	186°	4775	49	6257	15	1.5	0.8		
	45	45	14:14	14:28	5°	4801	459	6192	20	1.1	0.6		
	46	46	14:32	14:46	185°	4777	152	6127	18	1.2	0.6		
	47	47	14:49	15:03	5°	4798	159	6061	18	1.2	0.7		
	48	48	15:06	15:20	184°	4770	155	5995	18	1.2	0.7		
	49	49	15:23	15:39	6°	4803	158	5930	19	1.2	0.7		
	50	50	15:40	15:34	187°	4773	155	5865	19	1.3	0.7	last 2 mile clouds	
	93	93	16:02	16:46	6°	4800	157	5800	20	1.2	0.7		
	92	94	16:18	16:35	185°	4766	154	5741	25	1.1	0.6	last 10	O mile clouds cut short

Droiget/E	light Plan:	TM EL 6	Statewide		Lift	Temp °C	Before	Temp	°C After	Pressi	ure (kPa)	!	Sensor Operator
Project/F	iigni Piani.	IIVI_FL_3	Statewide		6	5°		1	.0°	10	02.20		Geoffrey McCall
Date/	Julian:	12.18.19			Disk Driv	re			Sensor				Pilot
Hobb	os End	4879.8		TM	MM30 (10	07, 108)			TM_90524				Wes Ashmore
Hob	bs ST	4876.5		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Flight	t Time	3.3					40J01		40J02		1.500	C421_N811NA	40J (Perry, FL)
,	Flight Line	Mission Line	UTC	time:	Direction	GPS Altitude	Speed	Available	S/Vs	Posit	ion Acc.	Comm	nents and Conditions:
	riigiit Liile	Wiission Line	Begin:	End:	Direction	dr3 Aititude	Speed	MM Space	3/ VS	AVG PDOP	AVG HDOP	Collin	ments and conditions.
	1	51n	13:50	14:04	5°	4825	150	5691	18	1.4	0.8		
	2	52s	14:08	14:21	185°	4850	155	5623	20	1.1	0.6		
	3	53n	14:25	14:39	5°	4833	158	5558	19	1.2	0.7		
	4	54s	14:42	14:55	184°	4855	164	5491	19	1.2	0.7		
	5	55n	14:59	15:13	5°	4846	158	5428	18	1.3	0.7		
	6	56s	15:16	15:30	185°	4860	163	5360	18	1.3	0.7		
	7	57n	15:34	15:47	5°	4824	150	5295	19	1.4	0.8		
	8	58s	15:51	16:05	185°	4845	157	5230	23	1.1	0.7		
	9	63n	16:07	16:21	7°	4810	152	5166	25	1.1	0.6		
	10	64s	16:25	16:38	185°	4850	160	5098	23	1.2	0.6		
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Droiget/E	light Plan:	TM EL 6	Statewide		Lift	Temp °C	Before	Temp	°C After	Pressi	ure (kPa)	!	Sensor Operator
Project/F	iigiit Piaii.	1141_FL_	otatewide		7	12	•	1	1°	10	02.13		Geoffrey McCall
Date/	Julian:	12.18.19			Disk Driv	re			Sensor				Pilot
Hobb	os End	4882.9		TM	MM30 (10	07, 108)			TM_90524				Wes Ashmore
Hob	bs ST	4879.8		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	3.1					40J01		40J02		1.500	C421_N811NA	40J (Perry, FL)
,	Flight Line	Mission Line	UTC	time:	Direction	GPS Altitude	Speed	Available	S/Vs	Posit	ion Acc.	Comr	nents and Conditions:
	Tilgitt Line	Wilssion Line	Begin:	End:	Direction	dr 5 Aititude	эреей	MM Space	3, V3	AVG PDOP	AVG HDOP	Collin	ments and conditions.
	1	65n	18:45	18:59	6°	4849	144	5032	20	1.3	0.8		
	2	66s	19:03	19:16	185°	4865	156	4963	19	1.6	0.9		
	3	67n	19:20	19:34	6°	4845	146	4900	21	1.2	0.7		
	4	68s	19:37	19:50	186°	4858	162	4834	19	1.6	0.8		
	5	69n	19:54	20:08	5°	4844	148	4770	21	1.1	0.7		
	6	72s	20:11	20:25	188°	4875	166	4705	21	1.1	0.7		
	7	73n	20:29	20:43	5°	4847	148	4641	20	1.2	0.7		
	8	74s	20:46	20:59	183°	4860	169	4578	17	1.6	0.8		
	9	75n	21:03	21:17	5°	4855	149	4519	20	1.1	0.7		
	10	76s	21:20	21:34	186°	4878	155	4454	20	1.1	0.7		

Droiget/E	light Plan:	TM EL 6	Statewide		Lift	Temp °C	Before	Temp	°C After	Press	ure (kPa)	!	Sensor Operator
Project/F	iigiit Piaii.	TIVI_FL_3	statewide		8	0°		;	8°	10	)2.95		Geoffrey McCall
Date/	Julian:	12.18.19			Disk Driv	re			Sensor				Pilot
Hobi	os End	4882.9		N	1M30 (105,	106)			TM_90524				Wes Ashmore
Hob	bs ST	4879.8		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	3.1					40J01		40J02		1.500	C421_N811NA	40J (Perry, FL)
,	Flight Line	Mission Line	UTC	time:	Direction	GPS Altitude	Speed	Available	S/Vs	Posit	ion Acc.	Comp	nents and Conditions:
	Tilgitt Lille	Wilssion Line	Begin:	End:	Direction	dr 5 Aititude	Speed	MM Space	3/ V3	AVG PDOP	AVG HDOP	Collin	nents and conditions.
	1	94n	13:02	13:15	4°	4813	158	7153	18	1.3	0.8		
	2	95s	13:18	13:32	185°	4843	150	7093	17	1.4	0.7		
	3	96n	13:35	13:48	4°	4823	158	7032	18	1.3	0.7		
	4	97s	13:51	14:05	187°	4829	164	6972	18	1.3	0.7		
	5	98n	14:08	14:21	5°	4823	160	6913	18	1.2	0.6		
	6	99s	14:24	14:38	185°	4833	160	6852	18	1.2	0.6		
	7	100n	14:41	14:54	5°	4824	158	6790	19	1.2	0.6		
	8	101s	14:57	15:10	185°	4843	155	6727	19	1.2	0.6		
	9	102n	15:13	15:27	5°	4830	162	6667	19	1.2	0.6		
	10	103s	15:30	15:43	186°	4849	154	6606	17	1.3	0.7		

Duoiset/F	light Plan:	Th4 F1 6	Statewide		Lift	Temp °C	Before	Temp	°C After	Pressi	ıre (kPa)	!	Sensor Operator
Project/F	iigiit Piaii:	IIVI_FL_3	Statewide		9	15	•	1	2°	10	2.78		Geoffrey McCall
Date/	Julian:	12.19.19			Disk Driv	re			Sensor				Pilot
Hobb	os End	4889.6		N	1M30 (105,	106)			TM_90524				Wes Ashmore
Hob	bs ST	4886		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Flight	t Time	3.6					40J01		40J02		1.500	C421_N811NA	40J (Perry, FL)
,	Flight Line	Mission Line	UTC	time:	Direction	GPS Altitude	Speed	Available	S/Vs	Posit	ion Acc.	Comn	nents and Conditions:
	riigiit Liile	IVIISSIOII LIIIE	Begin:	End:	Direction	dr3 Aititude	Speed	MM Space	3/ VS	AVG PDOP	AVG HDOP	Collin	ients and conditions.
	1	104n	19:31	19:44	4°	4784	163	6544	21	1.2	0.7		
	2	105s	19:47	20:00	185°	4820	165	6483	21	1.2	0.7		
	3	106n	20:03	20:16	5°	4789	152	6423	23	1.0	0.6		
	4	107s	20:19	20:32	186°	4785	160	6366	22	1.3	0.7		
	5	108n	20:35	20:48	5°	4776	163	6306	18	1.5	0.9		
	6	109s	20:51	21:04	186°	4797	156	6249	18	1.6	0.9		
	7	110n	21:07	21:20	5°	4791	161	6190	20	1.2	0.7		
	8	111s	21:24	21:36	187°	4810	150	6131	21	1.2	0.7		
	9	112n	21:39	21:53	6°	4812	160	6074	22	1.1	0.6		
	10	113s	21:56	22:08	184°	4806	155	6017	24	1.1	0.6		
	11	114n	22:11	22:24	7°	4804	165	5961	23	1.3	0.6		
	12	115s	22:27	22:40	185°	4821	150	5902	23	1.4	0.6		
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Duoiset/E	light Plan:	Th4 F1 6	Statewide		Lift	Temp °C	Before	Temp	°C After	Press	ure (kPa)	!	Sensor Operator	
Project/F	iigni Piani.	IIVI_FL_3	statewide		10	4°		1	.4°	10	03.01		Geoffrey McCall	
Date/	Julian:	12.20.19			Disk Driv	re			Sensor				Pilot	
Hobb	os End	4893.2		N	1M30 (105,	106)			TM_90524				Wes Ashmore	
Hob	bs ST	4889.6		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:	
Flight	t Time	3.6					40J01		40J02		1.500	C421_N811NA	40J (Perry, FL)	
,	Flight Line	Mission Line	UTC	time:	Direction	GPS Altitude	Speed	Available	S/Vs	Posit	ion Acc.	Comp	nents and Conditions:	
	Tilgitt Line	Wilssion Line	Begin:	End:	Direction	dr 5 Aititude	Эреей	MM Space	3/ V3	AVG PDOP	AVG HDOP	Collin	ments and conditions.	
	1	116n	12:35	12:48	6°	4833	168	5844	16	1.3	0.7			
	2	117s	12:51	13:04	185°	4846	147	5780	16	1.4	0.8			
	3	118n	13:07	13:20	7°	4829	156	5719	17	1.3	0.7			
	4	119s	13:23	13:36	184°	4827	144	5660	17	1.3	0.7			
	5	120n	13:39	13:52	4°	4812	155	5601	17	1.3	0.7			
	6	121s	13:55	14:08	185°	4825	149	5542	19	1.1	0.6			
	7	122n	14:11	14:24	5°	4823	153	5482	20	1.1	0.6			
	8	123s	14:27	14:40	185°	4832	145	5422	21	1.2	0.6			
	9	124n	14:43	14:56	6°	4824	154	5363	20	1.3	0.7			
	10	125s	14:59	15:12	184°	4840	151	5304	19	1.3	0.7			
	11	126n	15:15	15:27	7°	4827	160	5245	20	1.2	0.7			
	12	127s	15:31	15:43	185°	4849	147	5183	19	1.4	0.8			
						<u> </u>								

Droinet/E	light Plan:	El C+o	towida		Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)		Sensor Operator
Project/F	iigni Piani.	FI_Sta	tewide		11	13	1	1	L5	10	)2.98		Geoffrey McCall
Date/	Julian:	01/09/20			Disk Driv	re			Sensor				Pilot
Hobl	os End	4942.3		TM	MM30 (10	)3, 104)			TM_90524	ļ		1	Mike Wasielewski
Hob	bs ST	4939.0		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	3.0				160	LCQ01		LCQ02		1.500	C421_N811NA	KLCQ
	Flight Line	Mission Line	UTC	time:	GPS Altitude:	Direction	Speed:	Available	S/Vs:	Posit	ion Acc.	Comr	nents and Conditions:
	r light Line	Wission Line	Begin:	End:	ASL:	Direction	kts:	MM Space	3) V3.	AVG PDOP	AVG HDOP	Colli	nents and conditions.
	1	128N	2:20	2:32	4827	8°	156	4386	19	1.3	0.37		
	2	1298	2:37	2:50	4702	186°	141	4281	20	1.3	0.7		
	3	130N	2:54	3:07	4775	7°	157	4161	22	1.2	0.6		
	4	131\$	3:11	3:25	4722	185°	140	4058	22	1.2	0.6		
	5	132N	3:29	3:42	4741	6°	159	3937	21	1.2	0.6	Gimb	al Data Warning 03:30
	6	133\$	3:46	4:00	4731	186°	140	3827	20	1.3	0.7		
	7	134N	4:04	4:17	4831	7°	156	3708	19	1.2	0.7		
	8	135\$	4:21	4:35	4833	186°	142	3603	20	1.1	0.6		
	9	136N	4:39	4:51	4870	8°	153	3483	19	1.1	0.7		
	10	137\$	4:55	5:08	4862	186°	142	3390	19	1.2	0.7		
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Droject/E	light Plan:	El C+o	towido		Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)		Sensor Operator
Project/F	iigiit Piaii.	ri_3ta	tewide		12	22	!	1	18	10	)2.44		Geoffrey McCall
Date/	Julian:	01/15/20			Disk Driv	e			Sensor				Pilot
Hobb	os End	4948.5		TIV	I MM30 (10	3, 104)			TM_90524				Wes Ashmore
Hob	bs ST	4945.2		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	3.3				160	LCQ01		LCQ02		1.500	C421_N811NA	KLCQ
_	Flight Line	Mission Line	UTC	time:	GPS Altitude:	Direction	Speed:	Available	S/Vs:	Posit	ion Acc.	Comr	ments and Conditions:
_	Tilgitt Line	Wilssion Line	Begin:	End:	ASL:	Direction	kts:	MM Space	3) V3.	AVG PDOP	AVG HDOP	Colli	nents and conditions.
	1	142N	23:19	23:31	4840	5°	158	5882	27	1.2	0.6	Gimb	al Data Warning 23:22
	2	143S	23:35	23:47	4900	185°	158	5825	28	1.4	0.6		
	3	144N	23:50	0:02	4903	4°	153	5765	28	1.2	0.6		
	4	145S	0:05	0:17	4902	185°	155	5706	26	1.1	0.6		
	5	146N	0:21	0:33	4905	5°	152	5651	25	1.1	0.6		
	6	1475	0:36	0:48	4909	182°	157	5596	18	1.4	0.8		
	7	148N	0:51	1:04	4920	3°	155	5539	20	1.2	0.8		
	8	1495	1:07	1:19	4911	186°	158	5485	20	1.2	0.7		
	9	150N	1:22	1:35	4914	5°	154	5430	19	1.2	0.7		
	10	151\$	1:38	1:50	4913	185°	158	5373	19	1.2	0.7		
	11	152N	1:54	2:06	4914	5°	155	5318	19	1.2	0.7		
	12	153\$	2:09	2:21	4921	185°	156	5263	20	1.2	0.7		
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Droject/E	light Plan:	El C+2	towida		Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)		Sensor Operator
Project/F	riigiit Piaii:	FI_Sta	tewide		13	23	}	2	20	10	)2.64		Geoffrey McCall
Date/	/Julian:	01/16/20			Disk Driv	re			Sensor				Pilot
Hob	bs End	4952		N	лМ30 (107,	,108)			TM_90524	ļ			Wes Ashmore
Hok	obs ST	4948.5		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	3.5				160	LCQ01		LCQ02		1.500	C421_N811NA	KLCQ
1	Flight Line	Mission Line	UTC	time:	GPS - Altitude:	Direction	Speed:	Available	S/Vs:	Posit	ion Acc.	Comr	ments and Conditions:
Z	riigitt Lille	Wilssion Line	Begin:	End:	ASL:	Direction	kts:	MM Space	3) V3.	AVG PDOP	AVG HDOP	Com	nents and conditions.
	1	154	22:43	22:56	4910	6°	151	5207	23	1.2	0.6	Gimb	al Data Warning 22:48
	2	155	22:59	23:11	4900	183°	160	5152	22	1.3	0.6		
	3	156	23:14	23:26	4907	8°	153	5099	22	1.2	0.6	М	ount in roll warning
	4	157	23:30	23:42	4899	186°	160	5041	23	1.1	0.6	Gimb	al Data Warning 23:35
	5	158	23:45	23:57	4905	6°	154	4988	23	1.2	0.6		
	6	159	0:01	0:13	4918	183°	158	4935	22	1.1	0.6		
	7	160	0:17	0:29	4942	3°	155	4882	22	1.1	0.6		
	8	161	0:32	0:45	4952	185°	159	4829	16	1.5	0.9		
	9	162	0:48	1:00	4941	5°	158	4774	17	1.3	0.8		
	10	163	1:04	1:16	4954	185°	154	4719	16	1.3	0.8		
	11	164	1:19	1:31	4873	6°	158	4666	17	1.2	0.7		
	12	165	1:35	1:47	4885	185°	161	4613	18	1.2	0.7		

Droiget/E	light Plan:	El C+o	towido		Lift	Temp °C	Before	Temp '	°C After	Pressi	ure (kPa)		Sensor Operator
Project/F	ilgiit Fiaii.	ri_sta	tewide		14	13	}	1	18	10	3.15		Geoffrey McCall
Date/	Julian:	01/17/20			Disk Driv	re			Sensor				Pilot
Hobb	os End	4955.5		N	лм30 (107,	,108)			TM_90524				Wes Ashmore
Hob	bs ST	4952.0		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Flight	t Time	3.5				160	LCQ01		LCQ02		1.500	C421_N811NA	KLCQ
	er da de	Advanta a dina	UTC	time:	GPS	Binatia	Speed:	Available	c hu	Posit	ion Acc.	0	and the second Constitution of
	Flight Line	Mission Line	Begin:	End:	Altitude: ASL:	Direction	kts:	MM Space	S/Vs:	AVG PDOP	AVG HDOP	Comi	nents and Conditions:
	1	138	14:17	14:29	4909	5°	163	4557	21	1.3	0.6		
	2	139	14:33	14:45	4910	184°	152	4499	22	1.4	0.6		
	3	140	14:48	15:00	4889	5°	162	4442	21	1.4	0.6		
	4	141	15:03	15:16	4918	185°	148	4383	19	1.4	0.7		
	5	166	15:22	15:34	4903	6°	159	4323	20	1.1	0.6	Gimb	al Data Warning 15:25
	6	167	15:37	15:49	4905	184°	154	4267	22	1.0	0.6		
	7	168	15:52	16:05	4890	6°	156	4208	17	1.1	0.7		
	8	169	16:08	16:20	4905	184°	158	4151	22	1.0	0.6		
	9	170	16:24	16:36	4905	6°	155	4094	22	1.1	0.6		
	10	171	16:39	16:51	4898	185°	156	4038	19	1.3	0.7		
	11	172	16:55	17:07	4879	6°	158	3981	19	1.2	0.7		
	12	173	17:10	17:23	4880	185°	153	3923	19	1.2	0.7		
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Droiget /E	light Plan:	FI C+a	+owida		Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)		Sensor Operator
Project/F	iigiit Fiaii.	ri_Sta	tewide		15	19	)	1	19	10	03.01		Geoffrey McCall
Date/	Julian:	01/17/20			Disk Driv	re			Sensor				Pilot
Hobi	os End	4956.4		N	лМ30 (107,	,108)			TM_90524				Wes Ashmore
Hob	bs ST	4955.5		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	0.9					LCQ01		LCQ02		1.500	C421_N811NA	KLCQ
	Flight Line	Mission Line	итс	time:	GPS Altitude:	Direction	Speed:	Available	S/Vs:	Posit	ion Acc.	Come	ments and Conditions:
	riigiit Liile	Wilssion Line	Begin:	End:	Ast:	Direction	kts:	MM Space	3/ VS.	AVG PDOP	AVG HDOP	Colli	nents and Conditions.
	1	174	19:21	19:33	4875	5°	160	3864	22	1.4	0.7		
	2	175	19:36	19:48	4886	186°	151	3807	23	1.2	0.6		Clouds last 25%
			-	-	1	-	-						
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			-	-	-								
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Droinet/E	light Plan:	El C+a	towida		Lift	Temp °C	Before	Temp '	°C After	Pressi	ure (kPa)		Sensor Operator
Project/F	ilgiit Piaii.	ri_3ta	tewide		16	12	!	2	21	10	)2.84		Geoffrey McCall
Date/	Julian:	01/18/20			Disk Driv	e			Sensor				Pilot
Hobb	os End	4958.8		N	лм30 (107,	.108)			TM_90524				Wes Ashmore
Hob	bs ST	4956.4		TARGET	ГMSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	2.4					LCQ01		LCQ02		1.500	C421_N811NA	KLCQ
_	Flight Line	Mission Line	UTC	time:	GPS Altitude:	Direction	Speed:	Available	S/Vs:	Posit	ion Acc.	Comr	ments and Conditions:
	Tilgitt Line	Wilsolott Ellic	Begin:	End:	ASL:	Direction	kts:	MM Space	3, 43.	AVG PDOP	AVG HDOP	Com	nents una conditions.
	1	176	14:29	14:41	4936	5°	166	3749	22	1.4	0.6		
	2	177	14:45	14:57	4921	185°	149	3680	21	1.4	0.7		
	3	178	15:00	15:12	4940	5°	162	3613	21	1.3	0.7		
	4	179	15:15	15:28	4921	187°	145	3549	22	1.1	0.6		
	5	180	15:30	15:43	4927	7°	157	3482	22	1.0	0.6		
	6	181	15:46	15:59	4918	186°	148	3413	20	1.1	0.7		
	7	182	16:02	16:14	4955	4°	157	3344	23	1.0	0.6		
	8	183	16:21	16:33	4901	186°	152	3278	20	1.2	0.6	(	Clouds last 2 mins.
				ļ			ļ		ļ				



					Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)		Sensor Operator
Project/F	light Plan:	FL_Sta	tewide		17	12	1	:	8	1	02.40		Akeem Kerr
Date/	Julian:	1/20/2020			Disk Driv	e			Sensor	•			Pilot
Hobb	os End	4963.5		TM	1 MM30 (10	7, 108)			TM_90524	ļ			Wes Ashmore
Hob	bs ST	4960.5		TARGET	Γ MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	3		5,8	17	155	LCQ01		LCQ02		1.500	C441-N207SS	LCQ (Lake City, FL)
,	Flight Line	Mission Line	UTC	time:	Direction	CDC Altitudo	Crossel	Available	S/Vs	Posi	tion Acc.	Comm	nents and Conditions:
Z	riigiit Liile	Wiission Line	Begin:	End:	Direction	GPS Altitude	Speed	MM Space	5/VS	AVG PDOP	AVG HDOP	Comin	nents and Conditions:
	601	601N	20:30	20:44	4°	5769	150	3210	26	1.1	0.6		
	602	602S	20:47	21:01	185°	5787	151	3149	26	1.1	0.6		
	603	603N	21:04	21:18	6°	5825	145	3086	25	1.1	0.6		
	604	604S	21:21	21:35	186°	5843	148	3021	22	1.1	0.6		
	605	605N	21:39	21:52	5°	5803	150	2959	22	1.1	0.6		
	606	606S	21:55	22:09	186°	5827	143	2898	21	1.6	0.6		
	607	607N	22:13	22:26	4°	5804	146	2833	20	1.4	0.6		
	608	608S	22:30	22:43	186°	5815	150	2758	23	1.1	0.6		



Duoinet /	liaht Dlan.	El C+o	towida		Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)	:	Sensor Operator
Project/i	light Plan:	ri_Sta	tewide		18	7			3	10	)2.61		Geoffrey McCall
Date	/Julian:	1/20/2020			Disk Driv	re			Sensor				Pilot
Hob	bs End	4967.0		N	лМ30 (107,	,108)			TM_90524			N	Mike Wasielewski
Hol	obs ST	4963.5		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identifcation:
Fligh	t Time	3.5					LCQ01		LCQ02		1.500	C421_N811A	KLCQ (Lake City, FI)
,	Eliabetina	National Line	UTC	time:	Divertion	GPS Altitude	Canad	Available	S/Vs	Posit	ion Acc.	Comm	courts and Conditions
	Flight Line	Mission Line	Begin:	End:	Direction	GPS Attitude	Speed	MM Space	5/VS	AVG PDOP	AVG HDOP	Comn	nents and Conditions:
	1	591	23:54	:01	7°	5858	155	2711	22	1.1	0.6		
	2	592	:06	:13	188°	5884	146	2678	19	1.2	0.7		
	3	593	:19	:26	7°	5825	154	2647	16	1.5	0.8		
	4	594	:31	:38	186°	5892	148	2614	16	1.4	0.8		
	5	595	:42	:49	6°	5853	150	2582	18	1.2	0.7		
	6	596	:54	:59	187°	5866	158	2551	16	1.3	0.7		
	7	590	1:05	1:12	5°	5854	153	2531	17	1.1	0.7		
	8	589	1:17	1:24	187°	5877	160	2496	18	1.1	0.6		
	9	588	1:28	1:36	5°	5852	153	2461	17	1.2	0.7		
	10	587	1:40	1:47	187°	5918	159	2426	18	1.2	0.7		
	11	586	1:52	1:59	5°	5900	154	2392	18	1.4	0.7		
	12	585	2:03	2:10	187°	5929	161	2360	19	1.1	0.6		
	13	584	2:14	2:21	5°	5895	154	2324	18	1.3	0.7		
	14	583	2:26	2:33	186°	5900	153	2289	18	1.3	0.7		
	15	582	2:37	2:45	6°	5895	156	2254	18	1.3	0.7		
	16	581	2:52	3:02	185°	5904	154	2220	18	1.6	0.8		



Duois et /F	liaht Dlan.	FI Cha	itewide		Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)		Sensor Operator
Project/F	light Plan:	FL_Sta	itewide		19	0		ı	6	10	02.81		Akeem Kerr
Date/	Julian:	1/21/2020			Disk Driv	re			Sensor				Pilot
Hobb	s End	4969.6		TM	I MM30 (10	05, 106)			TM_90524	ļ			Wes Ashmore
Hob	bs ST	4967		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Flight	t Time	2.6		5,86	56	155	LCQ01		LCQ02		1.500	C441-N207SS	LCQ (Lake City, FL)
,			UTC	time:				Available	- 6 -	Posit	ion Acc.		
	Flight Line	Mission Line	Begin:	End:	Direction	GPS Altitude	Speed	MM Space	S/Vs	AVG PDOP	AVG HDOP	Comr	ments and Conditions:
	609	609N	14:36	14:49	5°	5822	147	7148	21	1.7	0.7		
	610	610S	14:53	15:08	185°	5832	149	7085	22	1.3	0.6		
	611	611N	15:10	15:24	5°	5821	146	7024	25	1.0	0.6		
	612	612S	15:28	15:41	185°	5819	152	6964	21	1.1	0.6		
	613	613N	15:44	15:58	6°	5815	144	6901	21	1.1	0.7		
	614	614S	16:02	16:16	185°	5821	156	6841	21	1.2	0.7		
	]												



Duningt /F	Walet Diam.	FI 61-			Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)	!	Sensor Operator
Project/F	light Plan:	FL_Sta	tewide		20	7			7	1	02.51		Akeem Kerr
Date/	Julian:	1/21/2020			Disk Driv	re			Sensor				Pilot
Hobl	bs End	4973.5		TM	1 MM30 (10	05, 106)			TM_90524				Wes Ashmore
Hob	bs ST	4969.6		TARGET	ΓMSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	t Time	3.9		5,9	45	155	LCQ01		LCQ02		1.500	C441-N207SS	LCQ (Lake City, FL)
,	Flight Line	Mission Line	UTC	time:	Divoction	CDC Albibudo	Cannad	Available	S/Vs	Posi	tion Acc.	Comm	contract Conditions
Z	riight Line	Mission Line	Begin:	End:	- Direction	GPS Altitude	Speed	MM Space	3/ VS	AVG PDOP	AVG HDOP	Comi	nents and Conditions:
	580	580N	18:20	18:31	6°	5893	145	6778	18	1.4	0.8		
	579	579S	18:34	18:45	185°	5889	154	6731	18	1.4	0.8		
	578	578N	18:48	19:00	6°	5889	148	6682	21	1.0	0.6		
	577	577S	19:03	19:15	187°	5894	150	6627	20	1.2	0.7		
	576	576N	19:18	19:30	6°	5888	150	6573	22	1.0	0.6		
	575	575S	19:34	19:45	187°	5903	153	6516	23	1.1	0.6	Roll limit	
	574	574N	19:49	20:01	4°	5880	156	6460	23	1.2	0.6		
	573	573S	20:05	20:16	186°	5910	153	6406	23	1.3	0.6		
	572	572N	20:20	20:32	6°	5890	144	6350	22	1.4	0.6		Roll limit
	571	571\$	20:35	20:47	186°	5923	150	6295	25	1.1	0.6		
	570	570N	20:51	21:03	7°	5887	146	6238	24	1.1	0.6		
	569	569S	21:07	21:19	185°	5899	150	6183	25	1.1	0.6		
	568	568N	21:22	21:34	5°	5929	148	6125	24	1.1	0.6		
	567	567S	21:38	21:50	186°	5962	147	6070	22	1.2	0.6		



Duoinet /	liaht Dlan	El Sto	towida		Lift	Temp °C	Before	Temp	°C After	Press	ure (kPa)		Sensor Operator
Project/i	light Plan:	ri_Sta	tewide		21	5			1	10	02.68		Geoffrey McCall
Date	/Julian:	1/20/2020			Disk Driv	e			Sensor				Pilot
Hob	bs End	4977.0		TIV	MM30 (10	05, 106)			TM_90524			N	Mike Wasielewski
Hol	bbs ST	4973.4		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Fligh	nt Time	3.6					LCQ01		LCQ02		1.500	C421_N811A	KLCQ (Lake City, FI)
			UTC	time:				Available	- 6	Posit	ion Acc.		
	Flight Line	Mission Line	Begin:	End:	Direction	GPS Altitude	Speed	MM Space	S/Vs	AVG PDOP	AVG HDOP	Comn	nents and Conditions:
	1	566	22:55	23:06	6°	5889	152	6017	24	1.2	0.6		
	2	565	23:10	23:22	184°	5915	157	5962	25	1.1	0.6		
	3	564	23:27	23:39	6°	5901	151	5909	25	1.1	0.6		
	4	563	23:43	23:55	187°	5917	153	5854	22	1.2	0.6		
	5	562	:	:12	6°	5898	153	5801	20	1.2	0.7		
	6	561	:16	:28	187°	5923	152	5746	17	1.5	0.8		
	7	560	:33	:44	7°	5902	151	5692	19	1.3	0.8		
	8	559	:48	1:00	183°	5941	156	5639	18	1.4	0.7		
	9	558	1:05	1:17	8°	5910	152	5586	18	1.3	0.8		
	10	557	1:21	1:33	188°	5952	157	5530	19	1.2	0.7		
	11	556	1:37	1:49	8°	5915	148	5475	20	1.2	0.6		
	12	555	1:53	2:05	184°	5915	149	5420	20	1.3	0.7		
								_					
				_			_		_				



Project/F	light Dlane	FI Sto	tewide		Lift	Temp °C	Before	Temp '	°C After	Press	ure (kPa)		Sensor Operator
Project/Fi	iigiit Piaii.	rL_3ta	tewide		22	6		1	12	10	02.30		Akeem Kerr
Date/	Julian:	1/22/2020			Disk Driv	e			Sensor				Pilot
Hobb	s End	4979.5		TM	MM30 (10	5, 106)			TM_90524				Wes Ashmore
Hob	bs ST	4977		TARGET	MSL	Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Flight	Time	2.5		5,94	<b>1</b> 5	155	LCQ01		LCQ02		1.500	C441-N207SS	LCQ (Lake City, FL)
	Elimba Lina	Mission Line	UTC	time:	Discouling.	one aliticals	Consider	Available	chi	Posit	tion Acc.	0	and the same of th
	Flight Line	iviission Line	Begin:	End:	Direction	GPS Altitude	Speed	MM Space	S/Vs	AVG PDOP	AVG HDOP	Comr	nents and Conditions:
	554	554N	15:39	15:51	7°	5891	149	5365	22	1.1	0.7		
	553	553S	15:54	16:07	186°	5926	151	5309	25	1.1	0.6		
	552	552N	16:11	16:23	6°	5892	147	5254	21	1.2	0.7		
	551	551\$	16:26	16:39	187°	5924	147	5199	21	1.2	0.7		
	550	550N	16:42	16:55	6°	5890	150	5143	23	1.1	0.7		
	549	549S	16:59	17:11	187°	5920	155	5085	23	1.1	0.6		
	548	548N	17:15	17:28	5°	5887	151	5029	22	1.3	0.7		
	547	547S	17:31	17:44	187°	5906	149	4969	22	1.1	0.6	cl	ouds at end of line



Project/Flight Plan:  Date/Julian: Hobbs End Hobbs ST		FI Ctatawida			Lift	Temp °C	Before Temp °C After		Pressure (kPa)		Sensor Operator		
		Fl_Statewide			23	9		1	14 102.10		Geoffrey McCall		
		1/25/2020 4983.8 4981.2		Disk Drive TM MM30 (101, 102) TARGET MSL Target AIRSPD		e	Sensor				Pilot		
						TM_90524				Wes Ashmore			
						Target AIRSPD	Base Name	PID	Base Name	PID	Base Height	Aircraft	Airport Identification:
Flight	: Time	2.6					LCQ01		LCQ02		1.500	C421_N811A	KLCQ (Lake City, FI)
∠ Fli	Flight Line	Mission Line	UTC	C time:	Divertion	n GPS Altitude	Speed -	Available	S/Vs	Posit	ion Acc.	Comments and Conditions:	
	riight Line		Begin:	End:	Direction			MM Space		AVG PDOP	AVG HDOP	Comi	nents and Conditions:
	1	547	14:46	14:59	5°	5883	151	6793	22	1.1	0.6		
	2	546	15:03	15:15	186°	5877	157	6735	26	1.0	0.6		
	3	545	15:19	15:31	5°	5895	146	6680	20	1.1	0.7		
	4	543	15:34	15:46	187°	5894	147	6624	23	1.0	0.6		
	5	542	15:50	16:01	6°	5914	155	6567	23	1.1	0.6		
	6	541	16:05	16:17	187°	5891	155	6511	20	1.3	0.7		
	7	540	16:21	16:33	4°	5940	157	6456	20	1.2	0.7		
	8	539	16:36	16:49	185°	5872	157	6397	18	1.3	0.7		
	9	558	16:52	17:05	5°	5918	158	6340	20	1.5	0.8		
								-					

### **Output Results for 20191125215311**

Inertial Explorer Version 8.80.2305 12/16/2019

10 sm

Figure 1: Smoothed TC Combined - Map

Figure 2: 20191125215311 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 12/16/2019

at 11:21:33

by Unknown

20191125215311



- East - North - Up

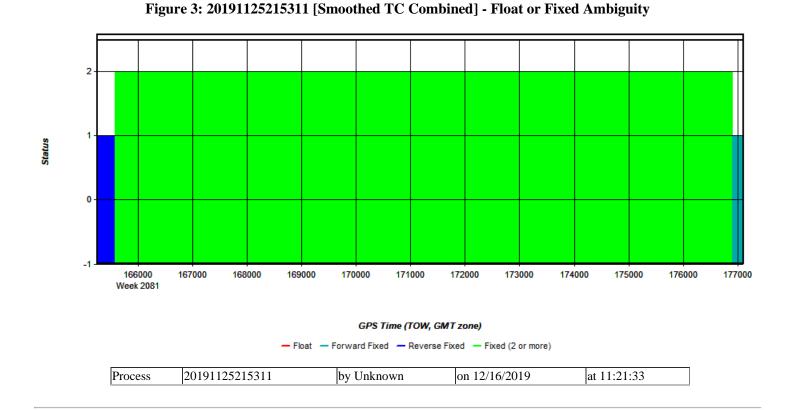


Figure 4: 20191125215311 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



by Unknown

20191125215311

Process

- East - North - Up

on 12/16/2019

at 11:21:33

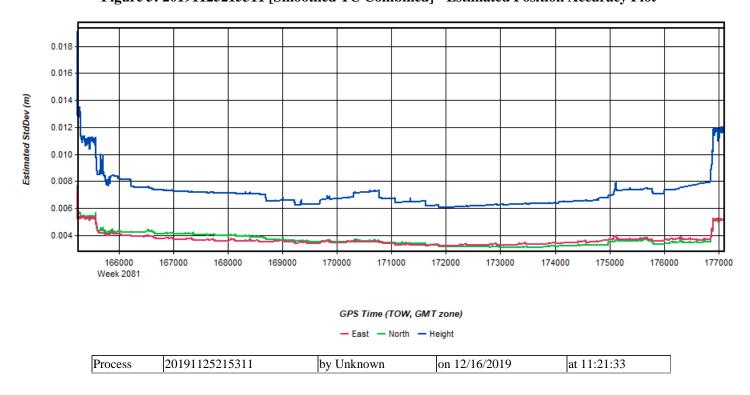


Figure 6: 20191125215311 [Smoothed TC Combined] - PDOP Plot



Figure 7: 20191125215311 [Smoothed TC Combined] - Number of Satellites Line Plot

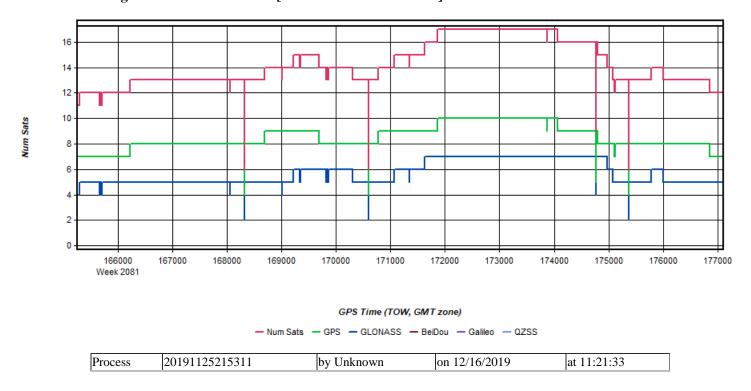


Figure 8: 20191125215311 [Smoothed TC Combined] - Status flag for IMU processing

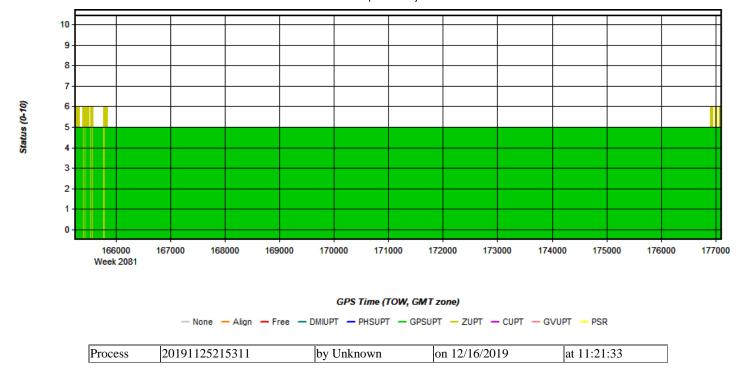


Figure 9: 20191125215311 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

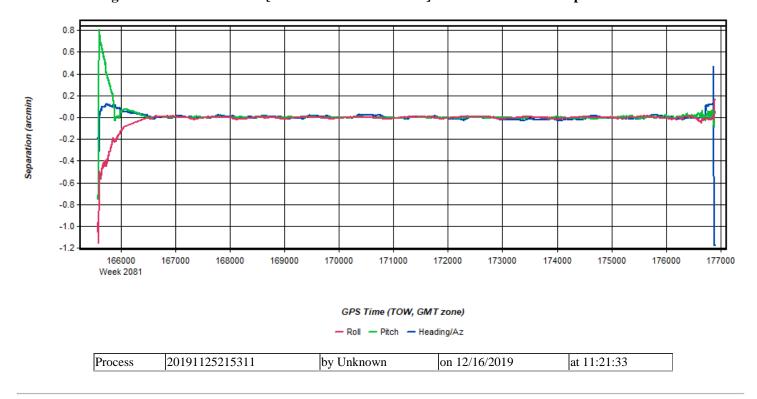


Figure 10: 20191125215311 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

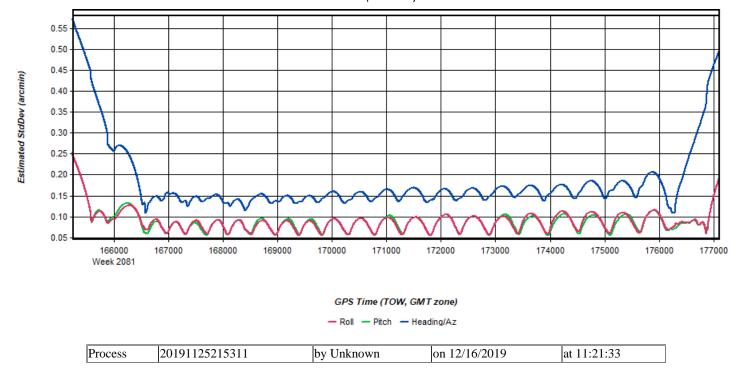


Figure 11: 20191125215311 [Smoothed TC Combined] - Azimuth Plot

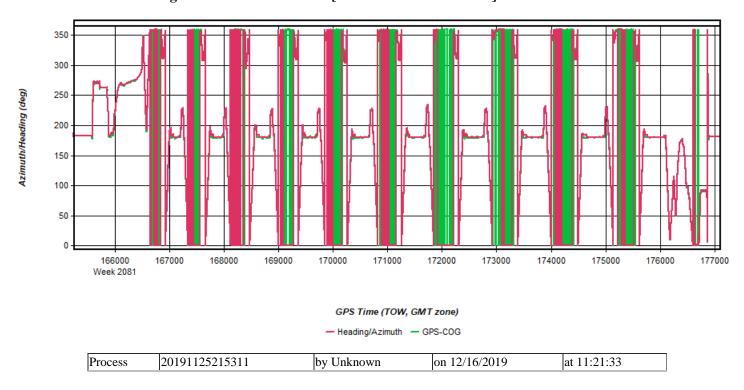


Figure 12: 20191125215311 [Smoothed TC Combined] - Roll & Pitch Plot

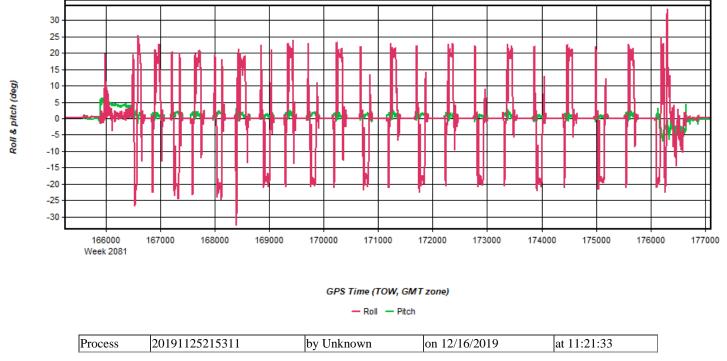


Figure 13: 20191125215311 [Smoothed TC Combined] - Velocity Profile Plot

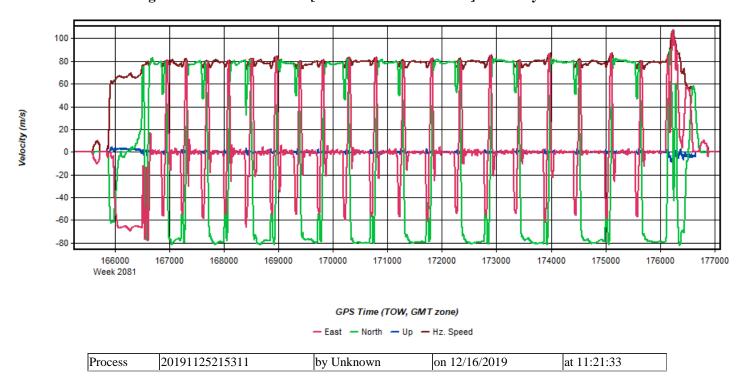
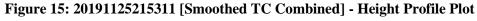


Figure 14: 20191125215311 [Smoothed TC Combined] - Body Frame Velocity Plot



by Unknown

on 12/16/2019

at 11:21:33

20191125215311

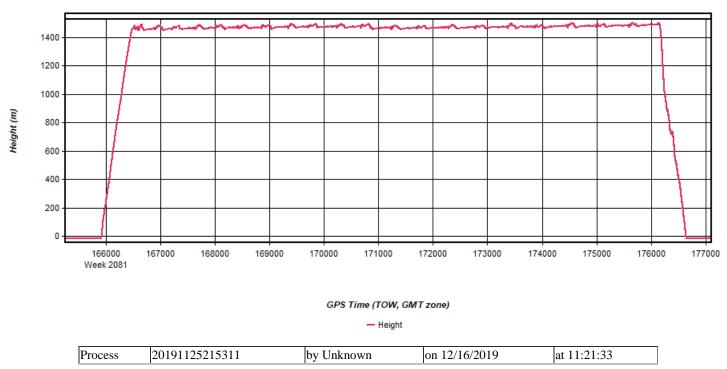


Figure 16: 20191125215311 [Smoothed TC Combined] - C/A Code Residual RMS Plot

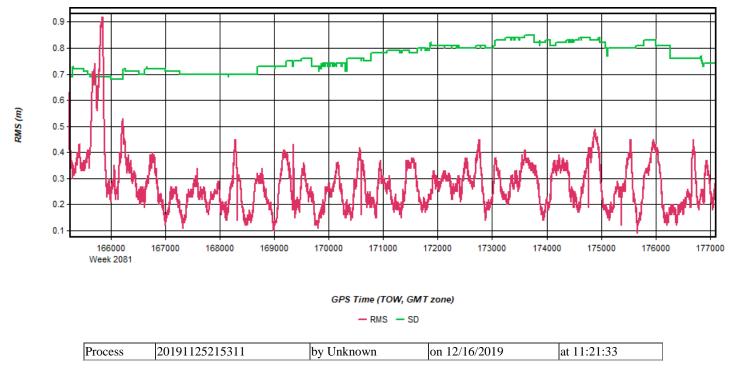


Figure 17: 20191125215311 [Smoothed TC Combined] - Carrier Residual RMS Plot

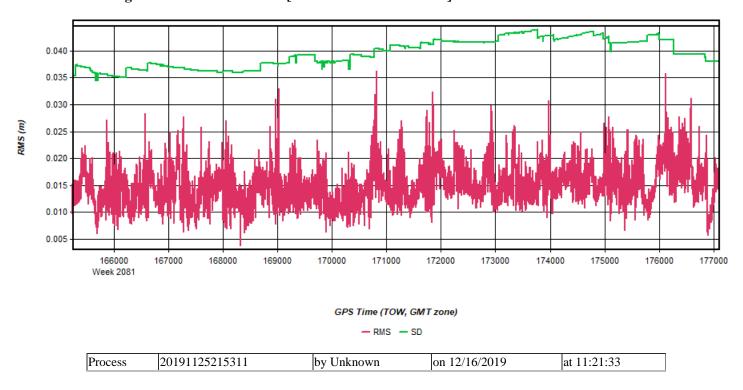
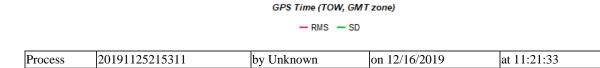


Figure 18: 20191125215311 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot



2/14/2020

0.12 0.11 0.09 0.08 0.07 0.06 0.05 0.04 0.03

> 166000 Week 2081

Figure 19: 20191125215311 [Smoothed TC Combined] - Accelerometer Bias Plot

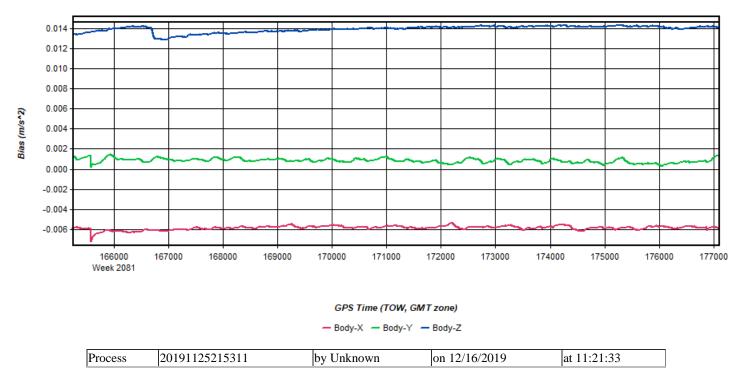
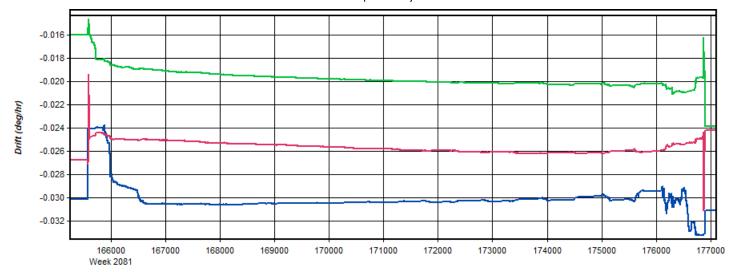


Figure 20: 20191125215311 [Smoothed TC Combined] - Gyro Drift Plot



### GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

	Process	20191125215311	by Unknown	on 12/16/2019	at 11:21:33
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### **Output Results for 20191126131136**

Inertial Explorer Version 8.80.2305 12/16/2019

20 km

Figure 1: Smoothed TC Combined - Map

Figure 2: 20191126131136 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 12/16/2019

at 14:36:25

by Unknown

20191126131136



GPS Time (TOW, GMT zone)

2/14/2020

0.05 0.04 0.03 0.02 0.01 0.00 -0.01 -0.02 -0.03

221000

Week 2081

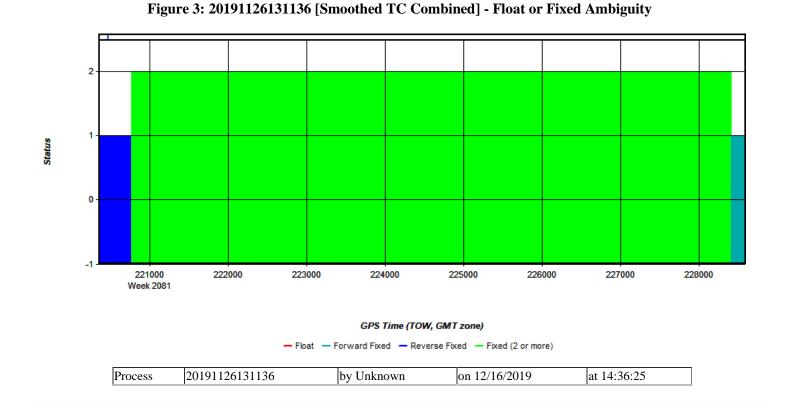


Figure 4: 20191126131136 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



on 12/16/2019

at 14:36:25

by Unknown

20191126131136

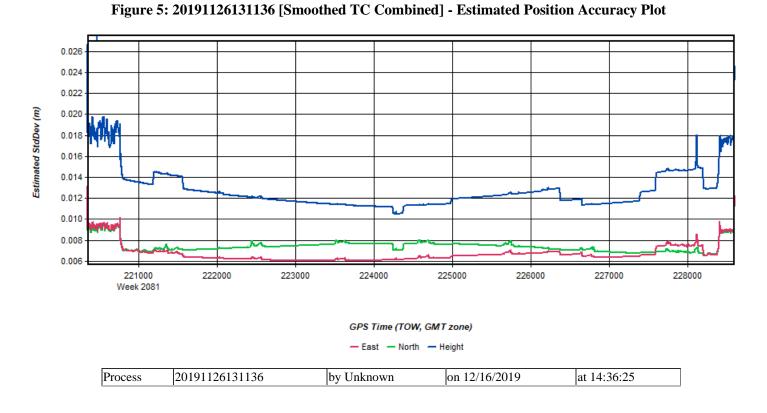


Figure 6: 20191126131136 [Smoothed TC Combined] - PDOP Plot

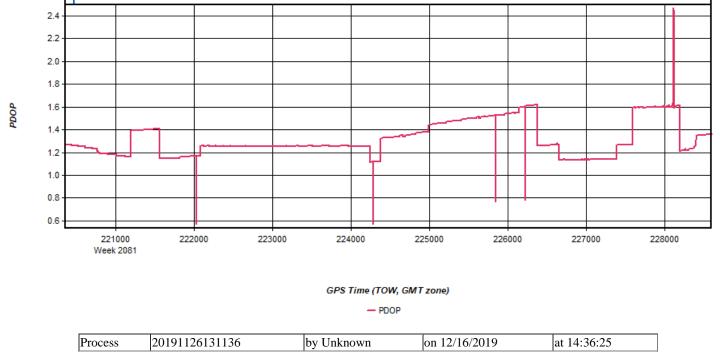


Figure 7: 20191126131136 [Smoothed TC Combined] - Number of Satellites Line Plot

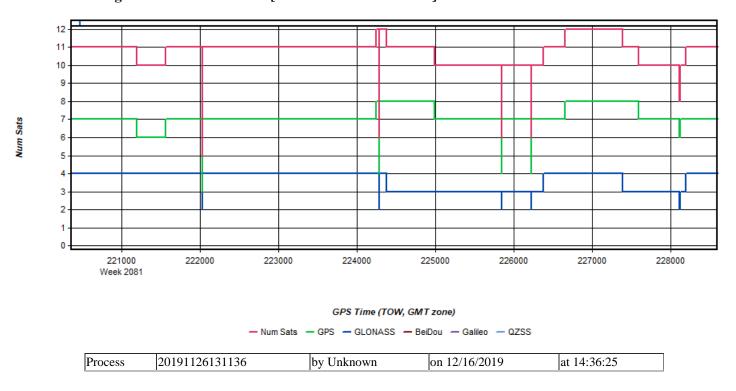


Figure 8: 20191126131136 [Smoothed TC Combined] - Status flag for IMU processing

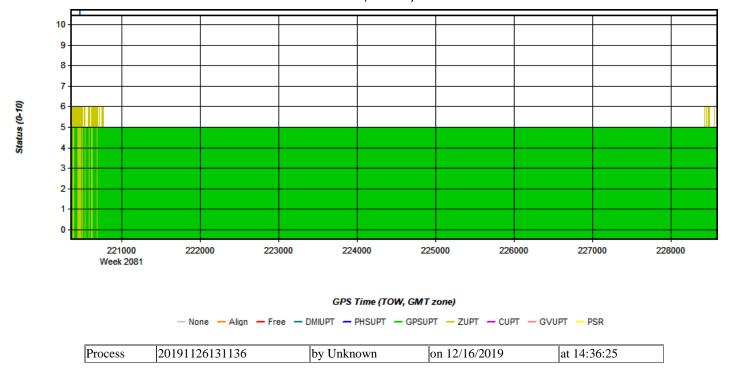


Figure 9: 20191126131136 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

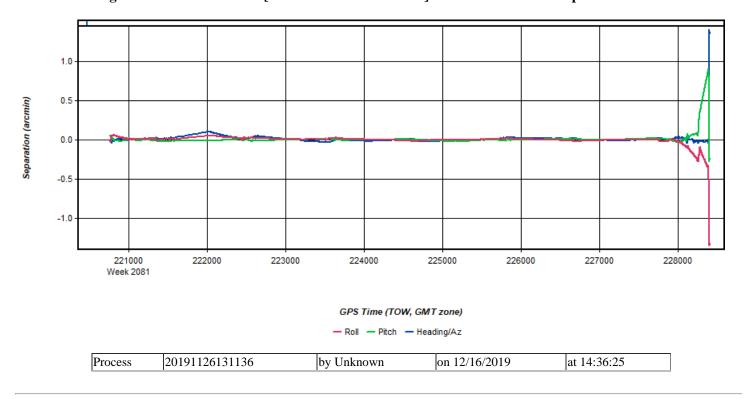


Figure 10: 20191126131136 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

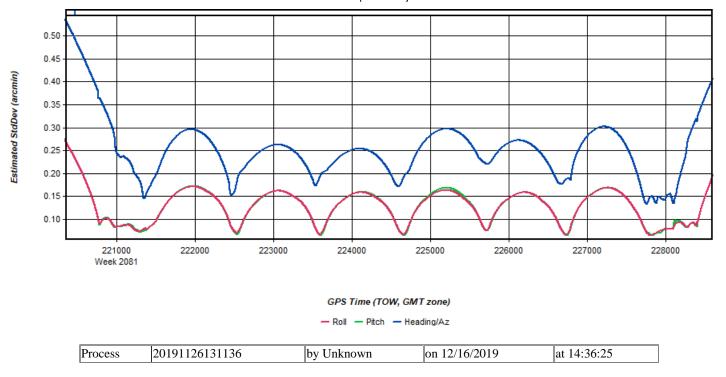
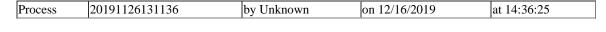


Figure 11: 20191126131136 [Smoothed TC Combined] - Azimuth Plot



Figure 12: 20191126131136 [Smoothed TC Combined] - Roll & Pitch Plot



- Roll - Pitch

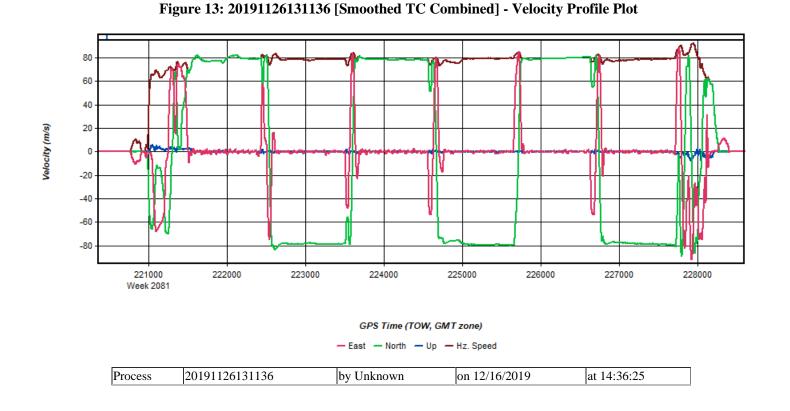
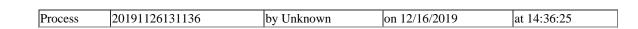


Figure 14: 20191126131136 [Smoothed TC Combined] - Body Frame Velocity Plot



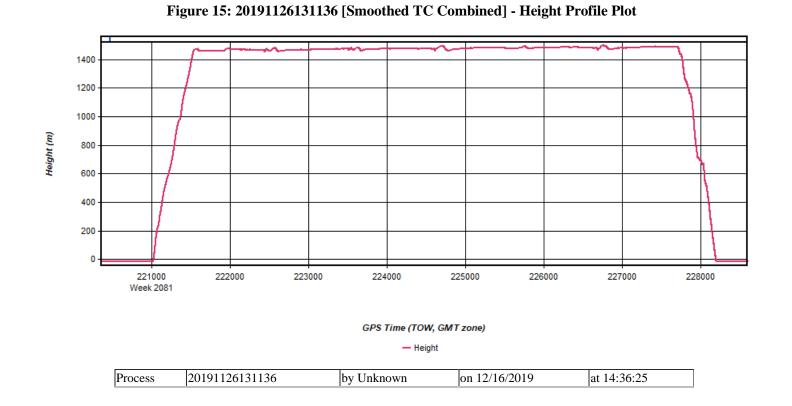


Figure 16: 20191126131136 [Smoothed TC Combined] - C/A Code Residual RMS Plot

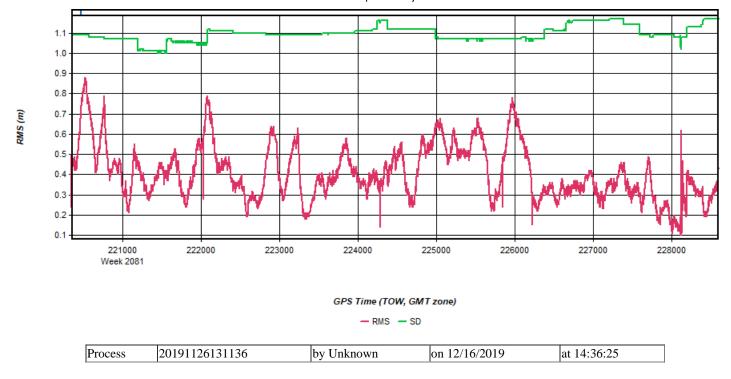


Figure 17: 20191126131136 [Smoothed TC Combined] - Carrier Residual RMS Plot

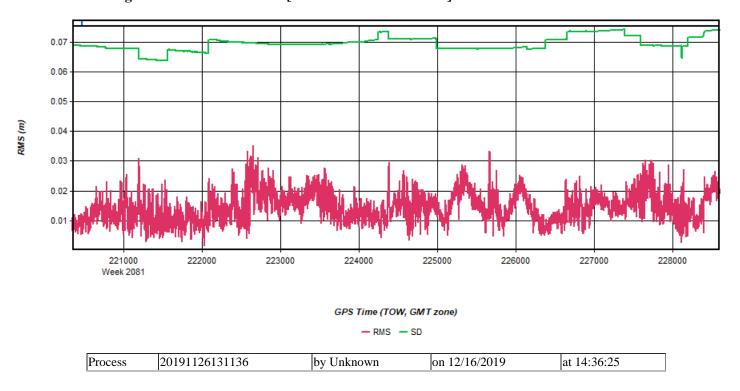


Figure 18: 20191126131136 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot



by Unknown

on 12/16/2019

at 14:36:25

20191126131136

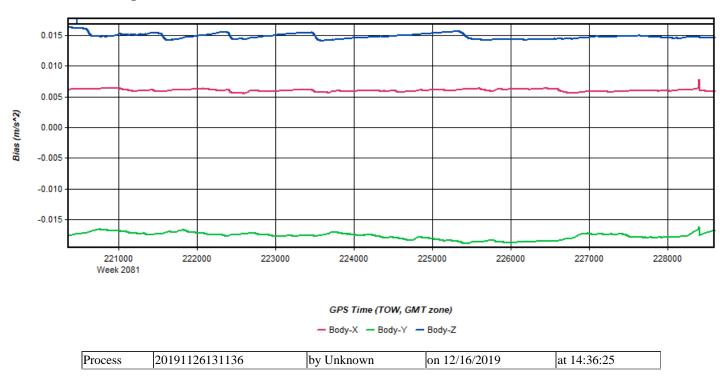
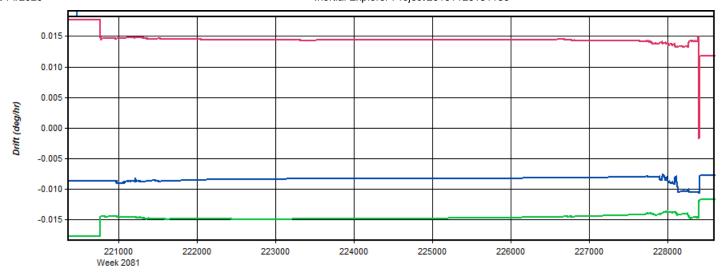


Figure 20: 20191126131136 [Smoothed TC Combined] - Gyro Drift Plot



### GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

		Process	20191126131136	by Unknown	on 12/16/2019	at 14:36:25	
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### **Output Results for 20191126184217**

Inertial Explorer Version 8.80.2305 12/16/2019

20 km

Figure 1: Smoothed TC Combined - Map

Figure 2: 20191126184217 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 12/16/2019

at 15:18:06

by Unknown

20191126184217



Figure 3: 20191126184217 [Smoothed TC Combined] - Float or Fixed Ambiguity

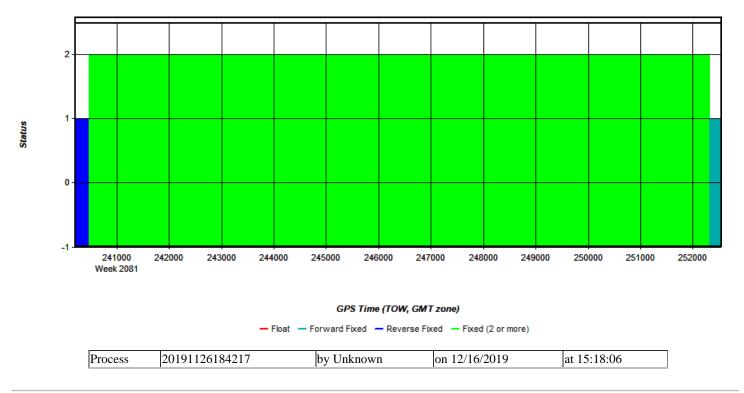


Figure 4: 20191126184217 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



Figure 5: 20191126184217 [Smoothed TC Combined] - Estimated Position Accuracy Plot



Figure 6: 20191126184217 [Smoothed TC Combined] - PDOP Plot

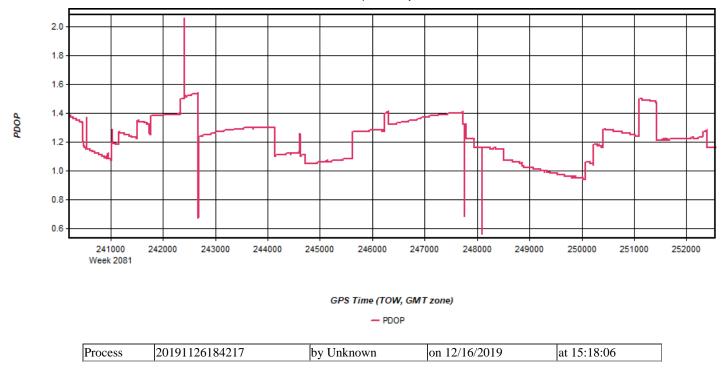


Figure 7: 20191126184217 [Smoothed TC Combined] - Number of Satellites Line Plot

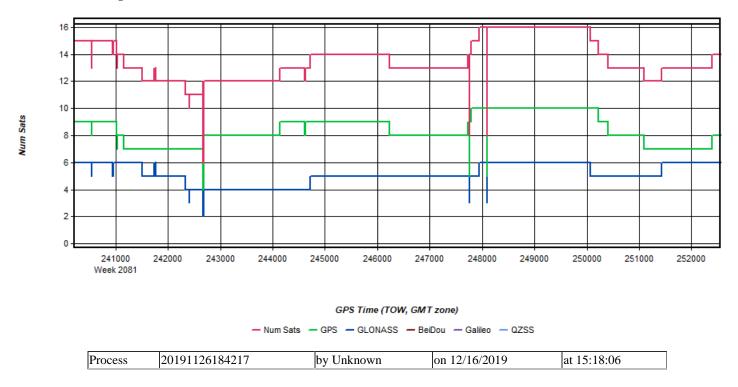


Figure 8: 20191126184217 [Smoothed TC Combined] - Status flag for IMU processing

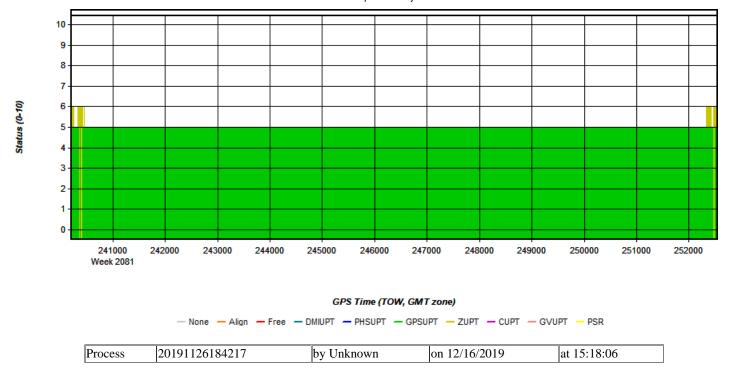


Figure 9: 20191126184217 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

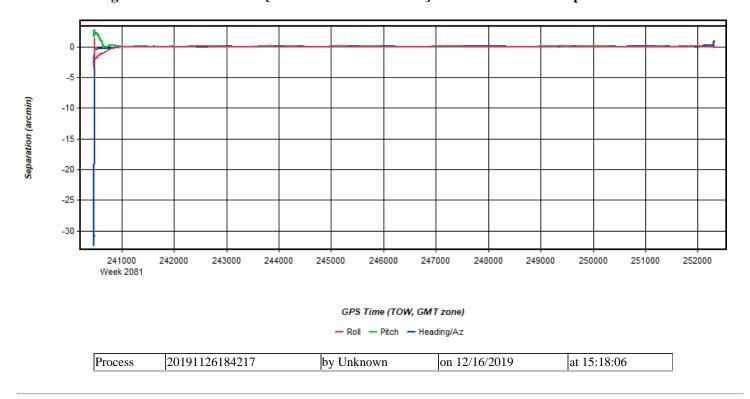


Figure 10: 20191126184217 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot



- Roll - Pitch - Heading/Az

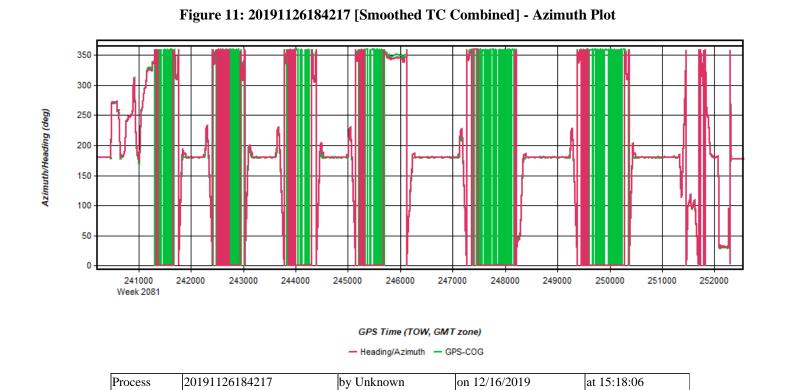


Figure 12: 20191126184217 [Smoothed TC Combined] - Roll & Pitch Plot

Roll & pitch (deg)



GPS Time (TOW, GMT zone) - Roll - Pitch

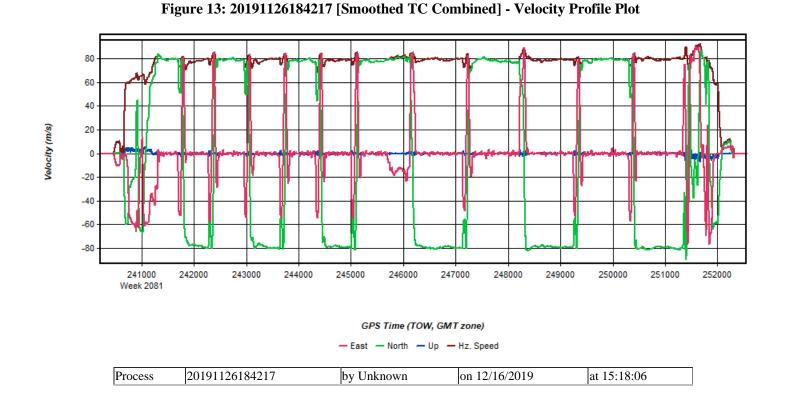
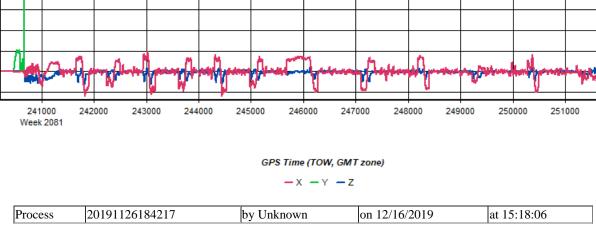


Figure 14: 20191126184217 [Smoothed TC Combined] - Body Frame Velocity Plot



2/14/2020

Velocity (m/s)

Figure 15: 20191126184217 [Smoothed TC Combined] - Height Profile Plot

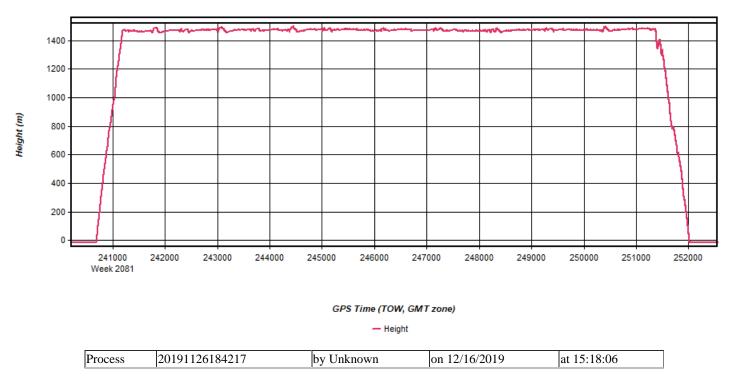


Figure 16: 20191126184217 [Smoothed TC Combined] - C/A Code Residual RMS Plot

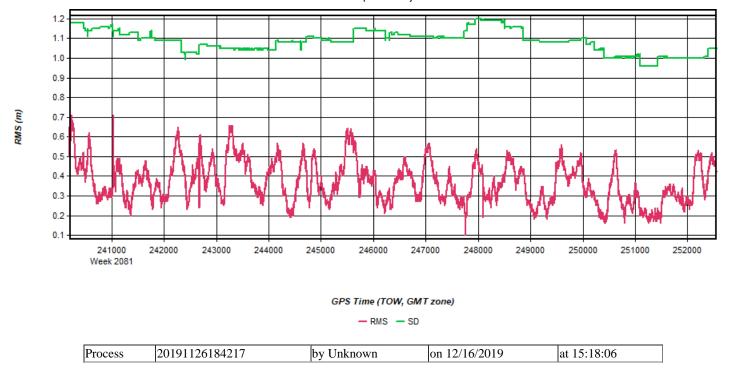


Figure 17: 20191126184217 [Smoothed TC Combined] - Carrier Residual RMS Plot

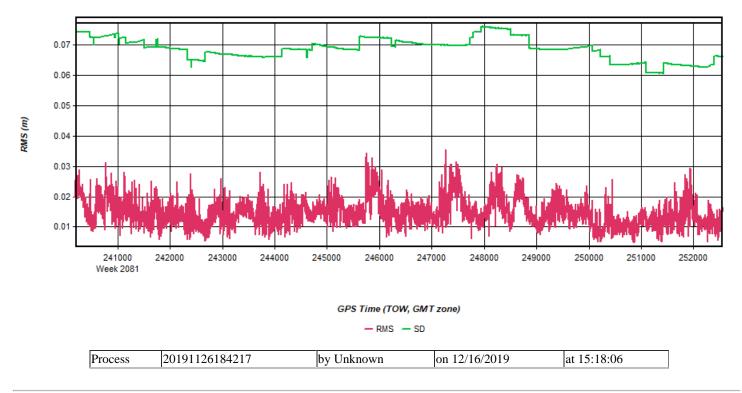


Figure 18: 20191126184217 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

RMS (m/s)



GPS Time (TOW, GMT zone) - RMS - SD

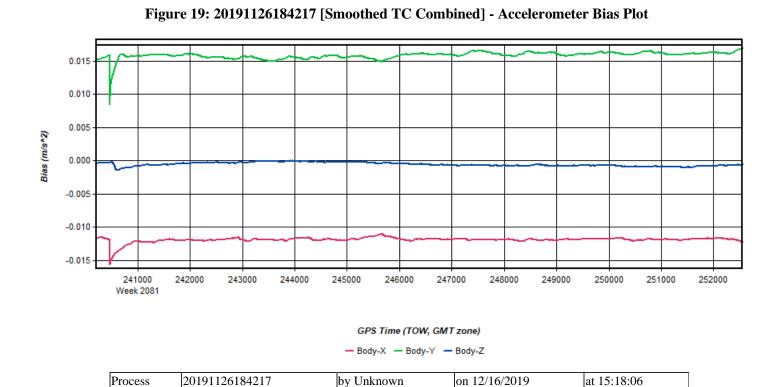
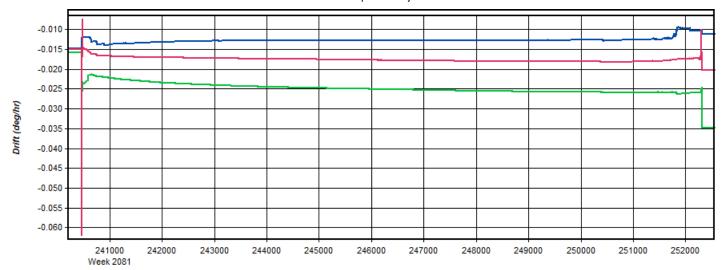


Figure 20: 20191126184217 [Smoothed TC Combined] - Gyro Drift Plot



### GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

Process 20191126184217	by Unknown	on 12/16/2019	at 15:18:06
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# **Output Results for 20191215210150**

Inertial Explorer Version 8.80.2305 12/24/2019

Figure 1: Smoothed TC Combined - Map

Figure 2: 20191215210150 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 12/24/2019

at 19:07:46

by Unknown

20191215210150

Process

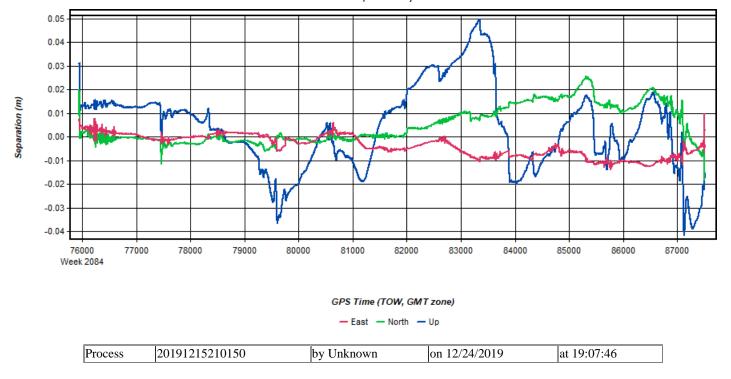


Figure 3: 20191215210150 [Smoothed TC Combined] - Float or Fixed Ambiguity

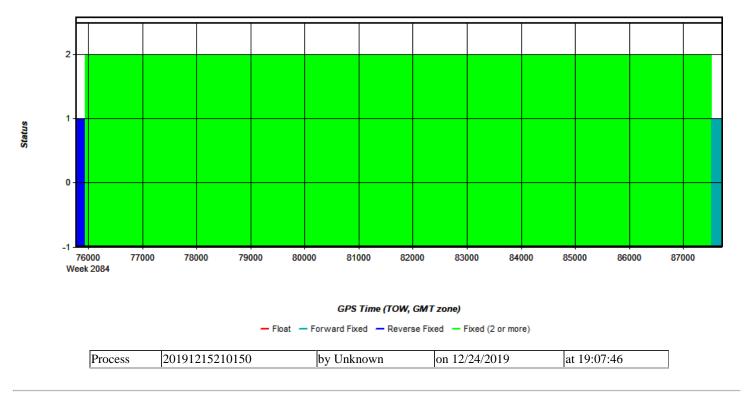


Figure 4: 20191215210150 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

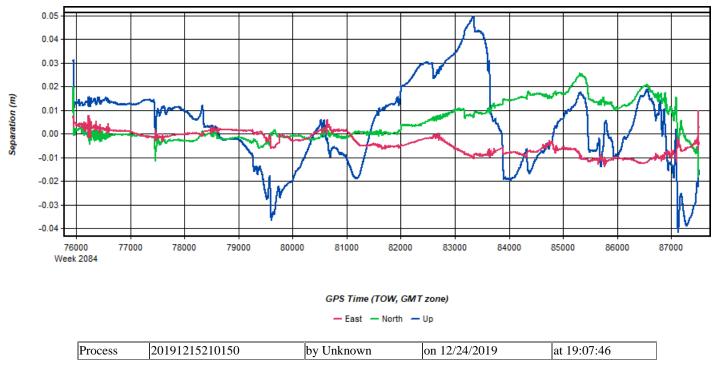


Figure 5: 20191215210150 [Smoothed TC Combined] - Estimated Position Accuracy Plot

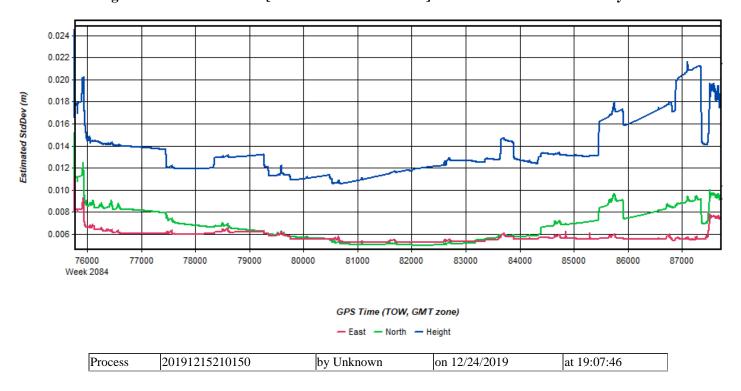


Figure 6: 20191215210150 [Smoothed TC Combined] - PDOP Plot

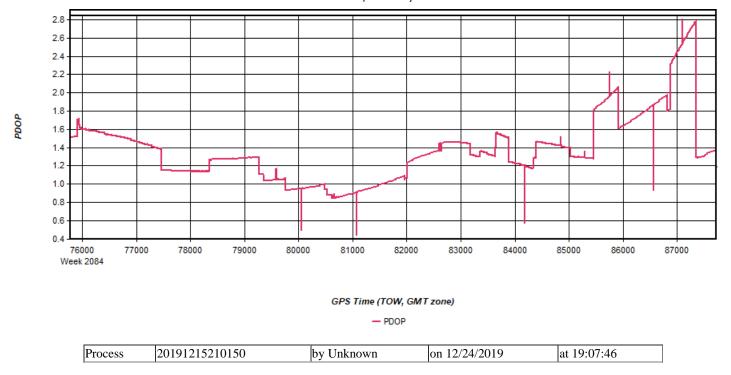


Figure 7: 20191215210150 [Smoothed TC Combined] - Number of Satellites Line Plot



Figure 8: 20191215210150 [Smoothed TC Combined] - Status flag for IMU processing

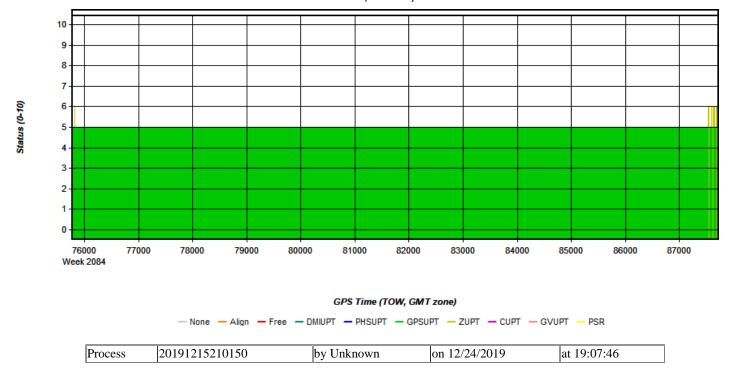


Figure 9: 20191215210150 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

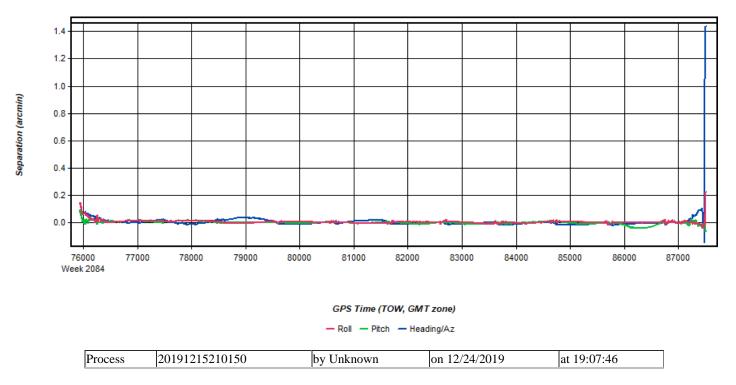
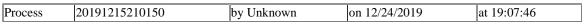


Figure 10: 20191215210150 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot



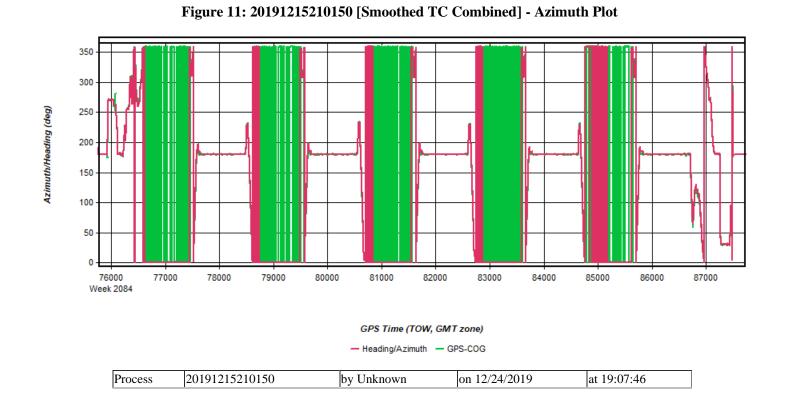


Figure 12: 20191215210150 [Smoothed TC Combined] - Roll & Pitch Plot

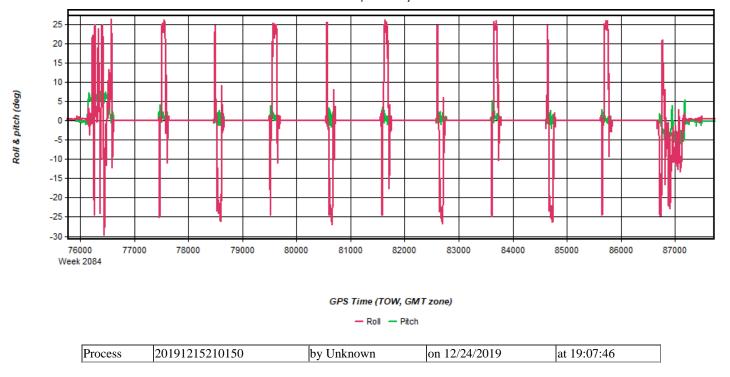


Figure 13: 20191215210150 [Smoothed TC Combined] - Velocity Profile Plot



Figure 14: 20191215210150 [Smoothed TC Combined] - Body Frame Velocity Plot

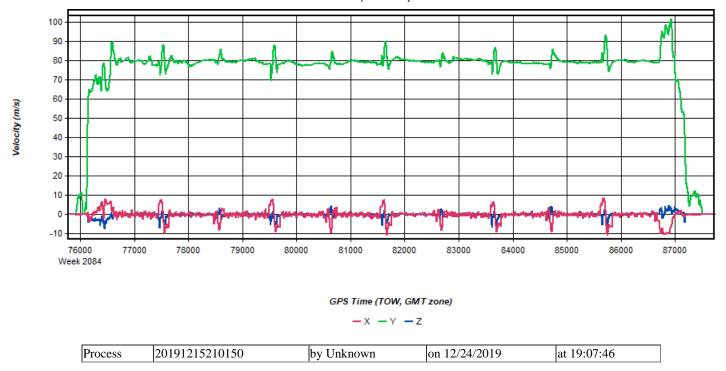


Figure 15: 20191215210150 [Smoothed TC Combined] - Height Profile Plot

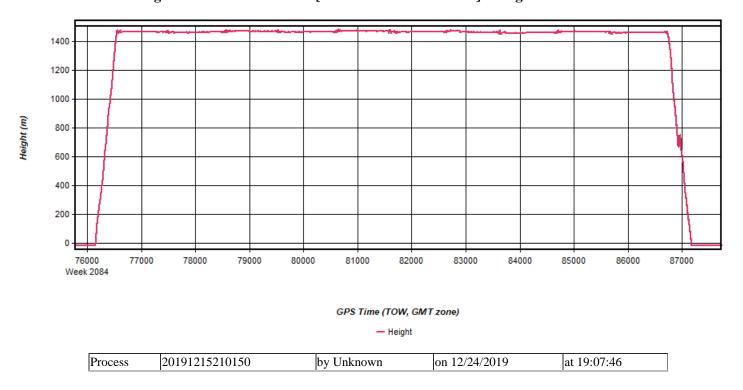


Figure 16: 20191215210150 [Smoothed TC Combined] - C/A Code Residual RMS Plot

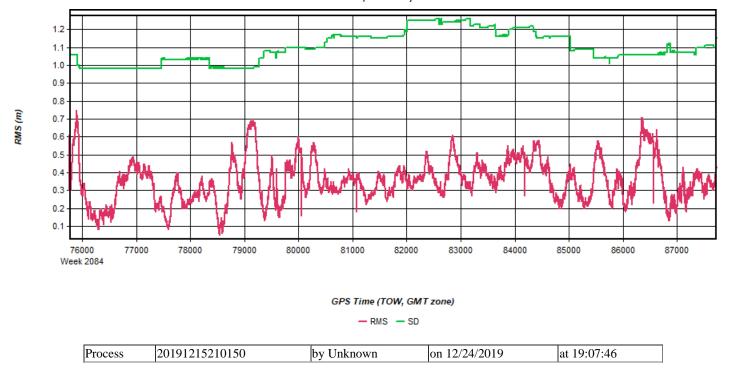


Figure 17: 20191215210150 [Smoothed TC Combined] - Carrier Residual RMS Plot

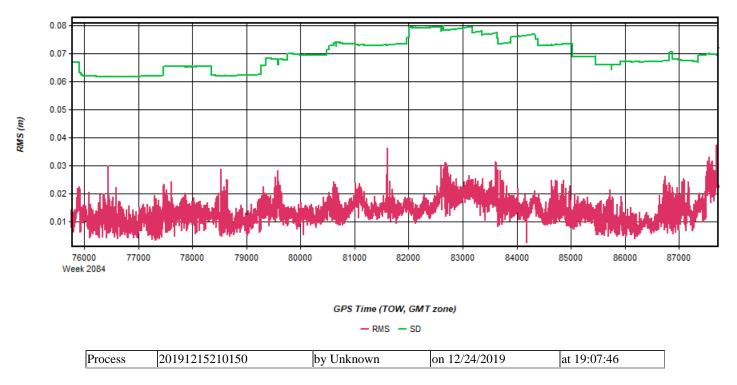


Figure 18: 20191215210150 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

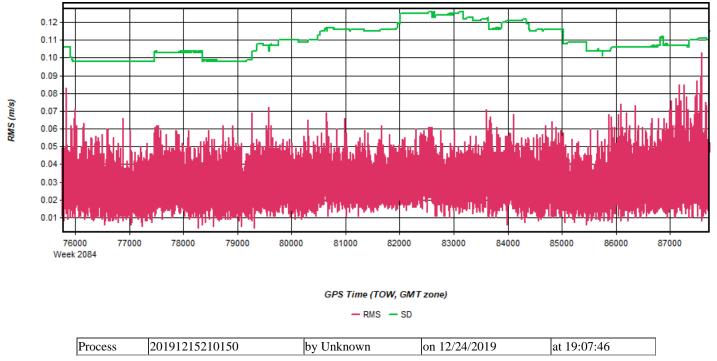


Figure 19: 20191215210150 [Smoothed TC Combined] - Accelerometer Bias Plot

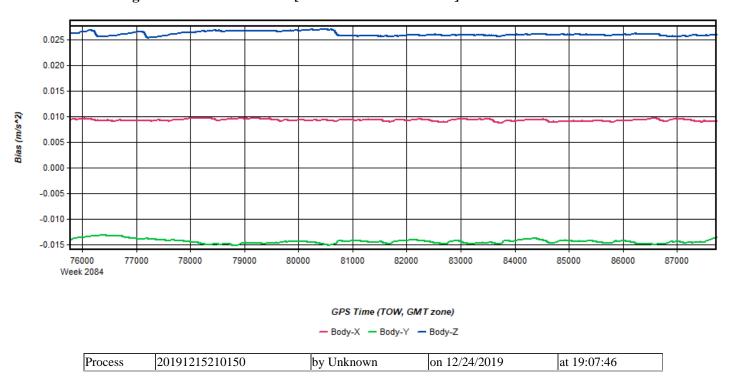
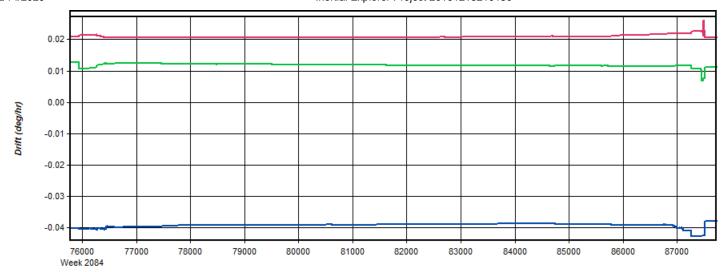


Figure 20: 20191215210150 [Smoothed TC Combined] - Gyro Drift Plot



### GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

cess 20191215210150	by Unknown	on 12/24/2019	at 19:07:46
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# **Output Results for 20191216132201**

Inertial Explorer Version 8.80.2305 12/24/2019

Figure 1: Smoothed TC Combined - Map

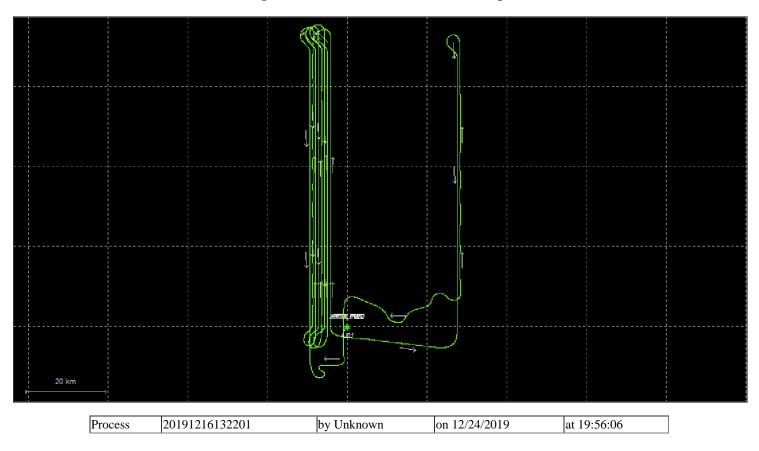


Figure 2: 20191216132201 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot



Figure 3: 20191216132201 [Smoothed TC Combined] - Float or Fixed Ambiguity

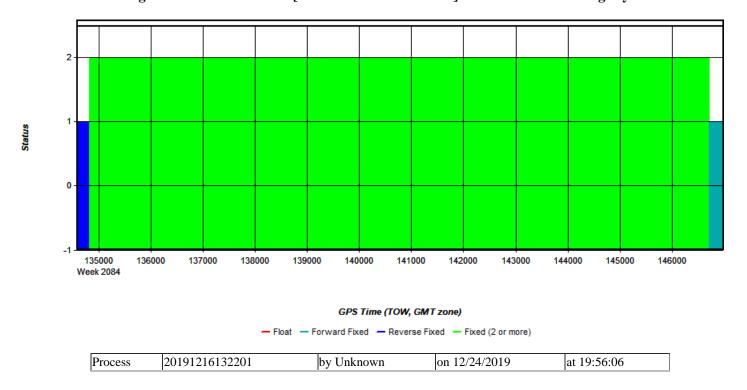


Figure 4: 20191216132201 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



Figure 5: 20191216132201 [Smoothed TC Combined] - Estimated Position Accuracy Plot

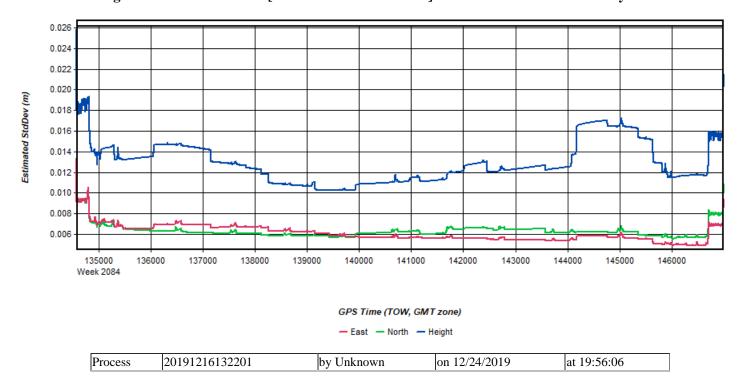


Figure 6: 20191216132201 [Smoothed TC Combined] - PDOP Plot

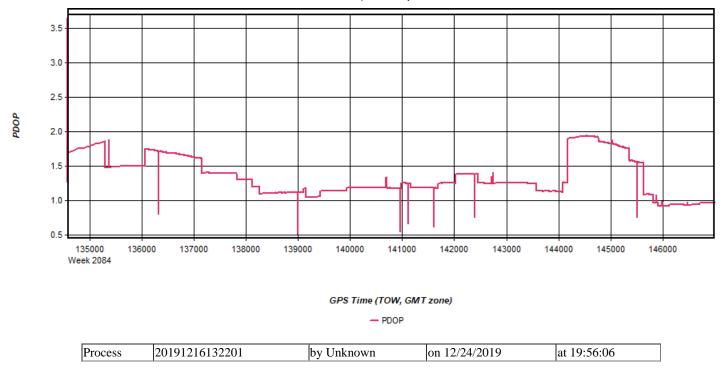


Figure 7: 20191216132201 [Smoothed TC Combined] - Number of Satellites Line Plot

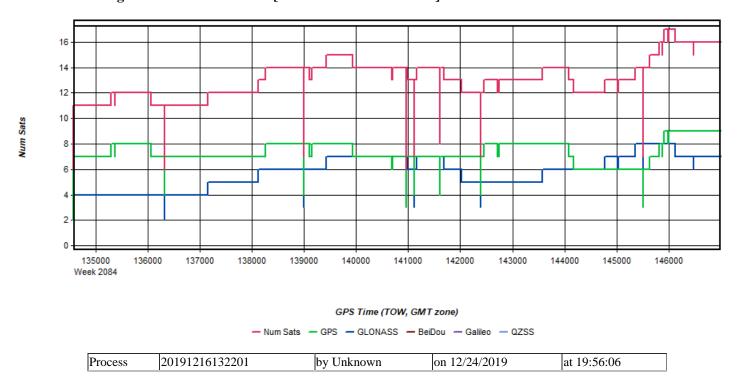


Figure 8: 20191216132201 [Smoothed TC Combined] - Status flag for IMU processing

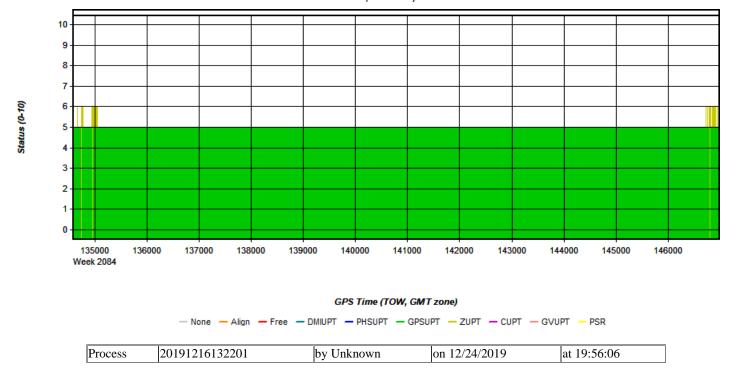


Figure 9: 20191216132201 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

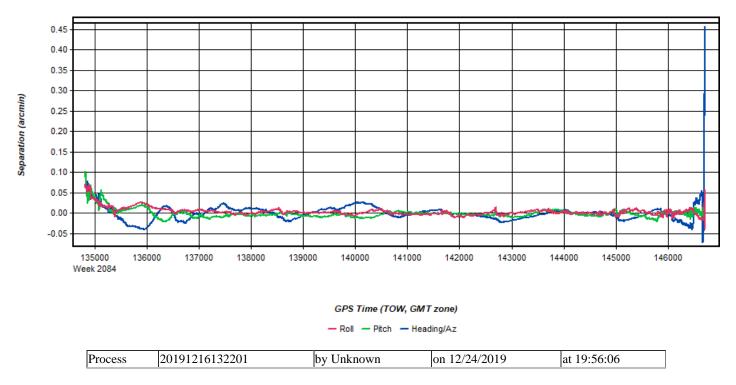


Figure 10: 20191216132201 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

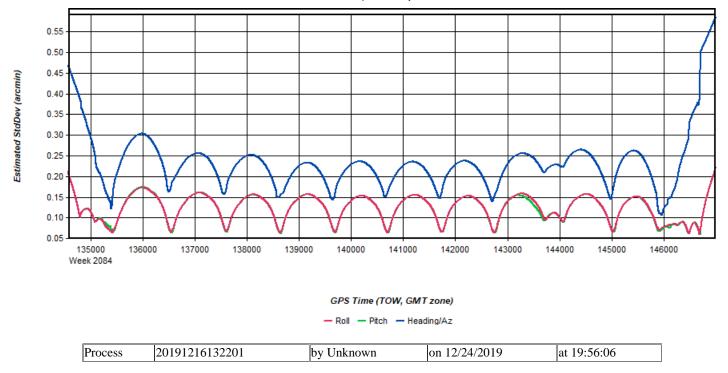


Figure 11: 20191216132201 [Smoothed TC Combined] - Azimuth Plot



Figure 12: 20191216132201 [Smoothed TC Combined] - Roll & Pitch Plot



Figure 13: 20191216132201 [Smoothed TC Combined] - Velocity Profile Plot

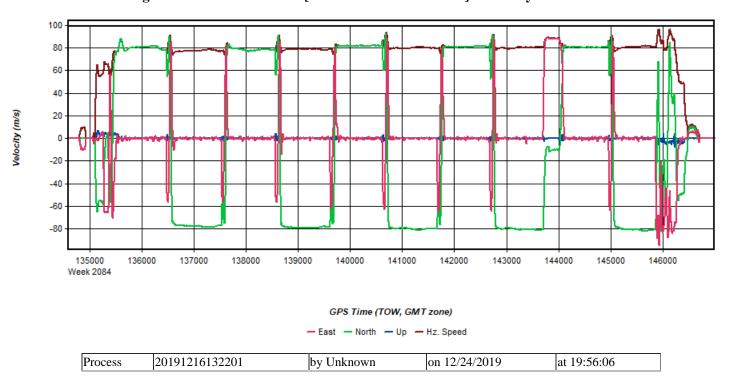


Figure 14: 20191216132201 [Smoothed TC Combined] - Body Frame Velocity Plot

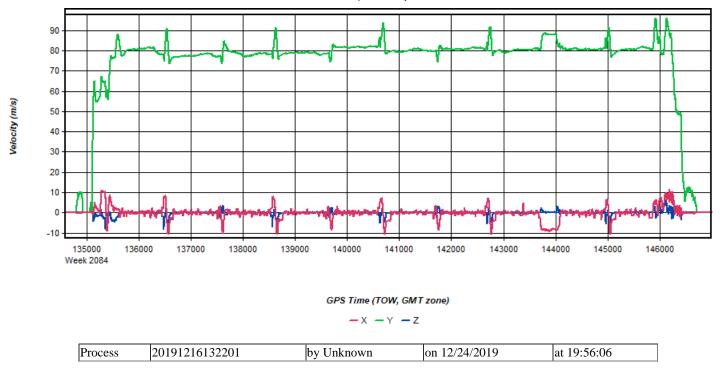


Figure 15: 20191216132201 [Smoothed TC Combined] - Height Profile Plot

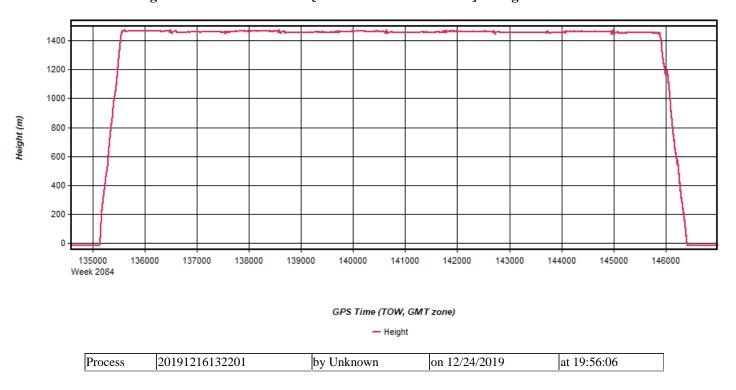


Figure 16: 20191216132201 [Smoothed TC Combined] - C/A Code Residual RMS Plot

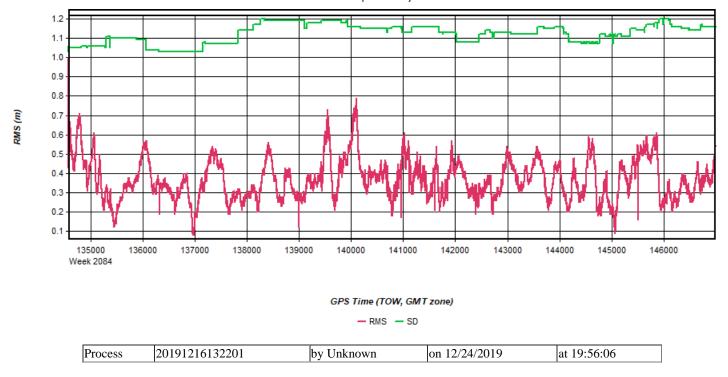


Figure 17: 20191216132201 [Smoothed TC Combined] - Carrier Residual RMS Plot

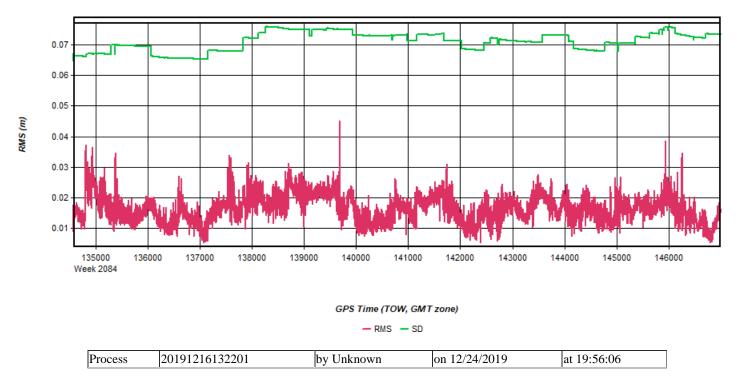
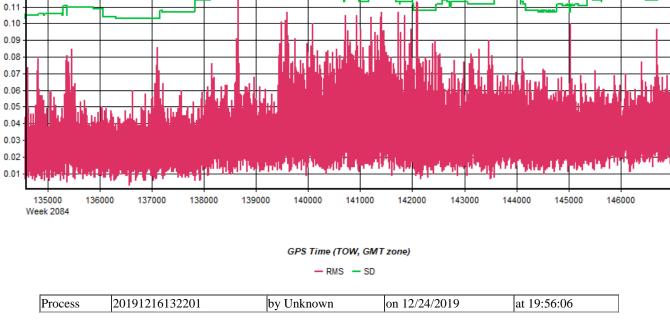


Figure 18: 20191216132201 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot



2/14/2020

RMS (m/s)

0.12

Figure 19: 20191216132201 [Smoothed TC Combined] - Accelerometer Bias Plot

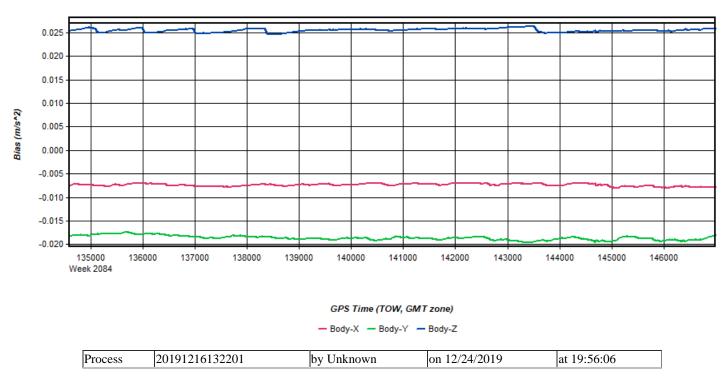
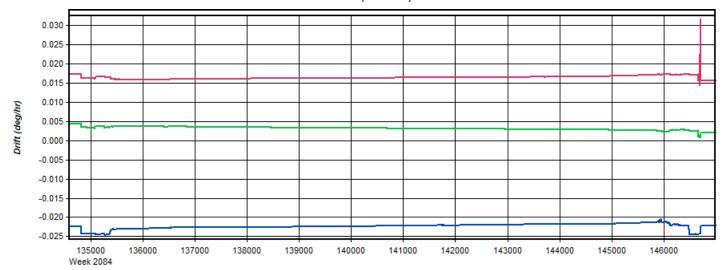


Figure 20: 20191216132201 [Smoothed TC Combined] - Gyro Drift Plot



### GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

Proces	20191216132201	by Unknown	on 12/24/2019	at 19:56:06
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# **Output Results for 20191218132515**

Inertial Explorer Version 8.80.2305 12/30/2019

Figure 1: Smoothed TC Combined - Map



Figure 2: 20191218132515 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

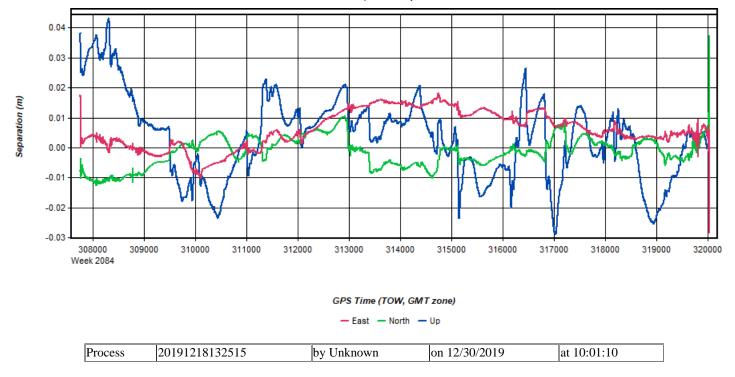


Figure 3: 20191218132515 [Smoothed TC Combined] - Float or Fixed Ambiguity

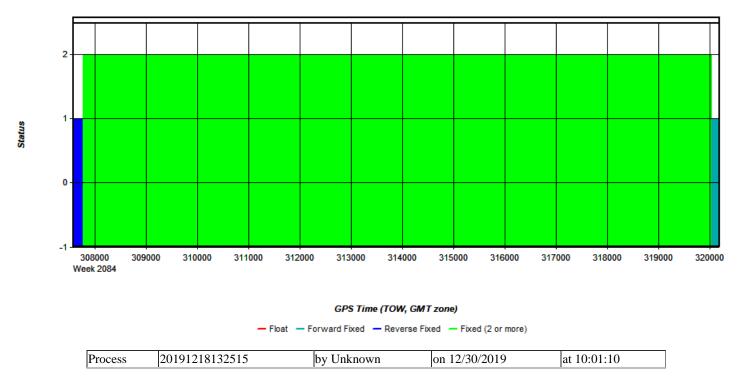


Figure 4: 20191218132515 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



Figure 5: 20191218132515 [Smoothed TC Combined] - Estimated Position Accuracy Plot



Figure 6: 20191218132515 [Smoothed TC Combined] - PDOP Plot

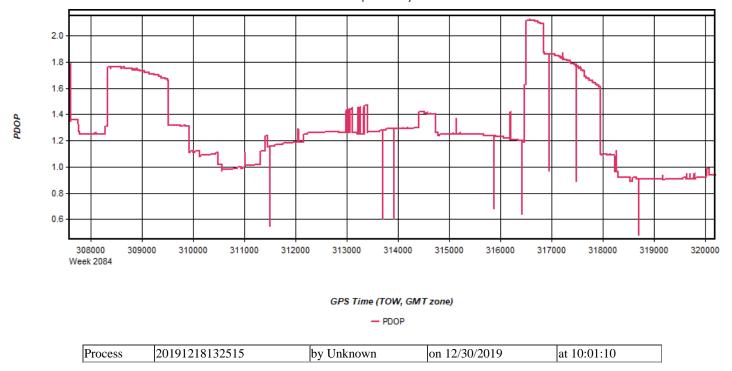


Figure 7: 20191218132515 [Smoothed TC Combined] - Number of Satellites Line Plot

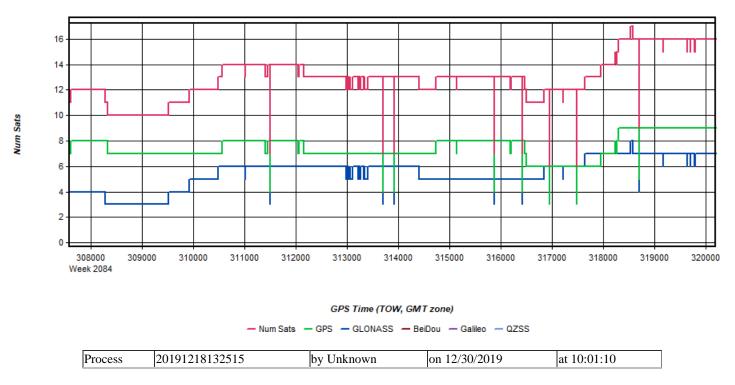


Figure 8: 20191218132515 [Smoothed TC Combined] - Status flag for IMU processing

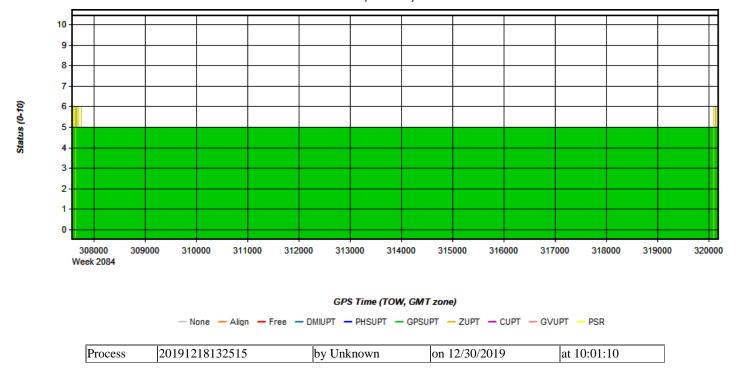


Figure 9: 20191218132515 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

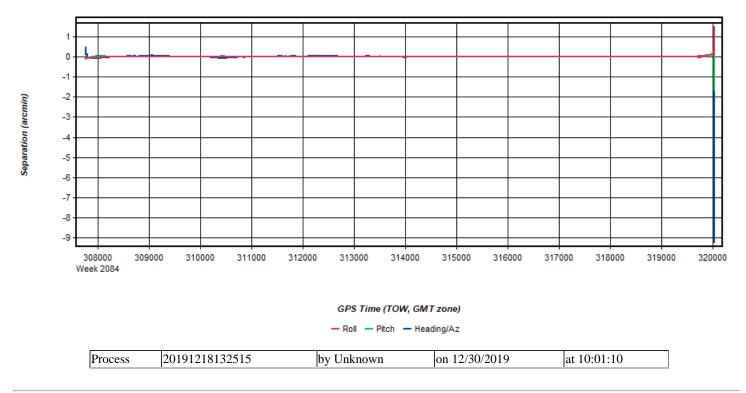


Figure 10: 20191218132515 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

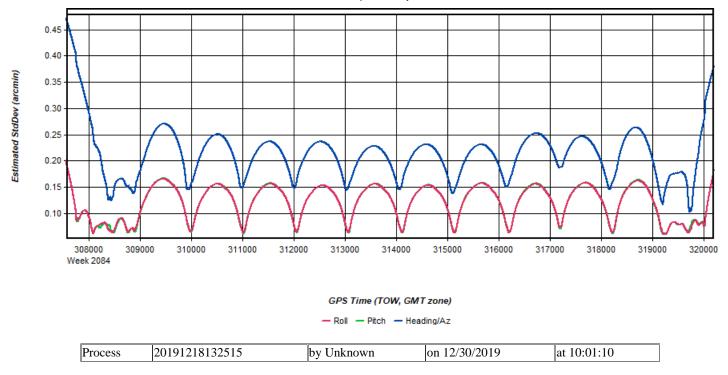


Figure 11: 20191218132515 [Smoothed TC Combined] - Azimuth Plot



Figure 12: 20191218132515 [Smoothed TC Combined] - Roll & Pitch Plot



Figure 13: 20191218132515 [Smoothed TC Combined] - Velocity Profile Plot



Figure 14: 20191218132515 [Smoothed TC Combined] - Body Frame Velocity Plot

-x -y -z

by Unknown

on 12/30/2019

at 10:01:10

20191218132515

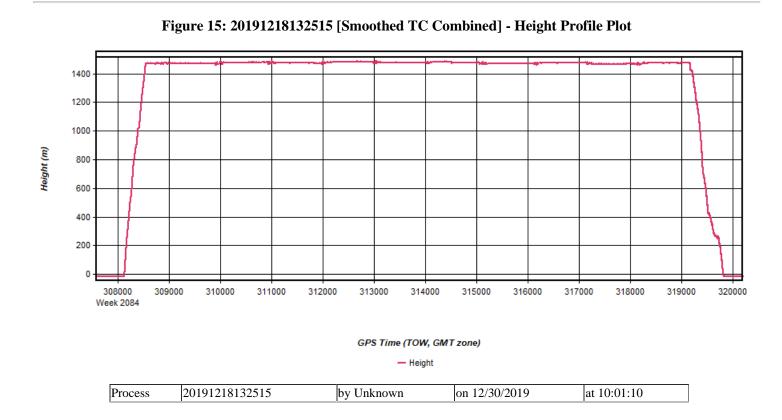


Figure 16: 20191218132515 [Smoothed TC Combined] - C/A Code Residual RMS Plot

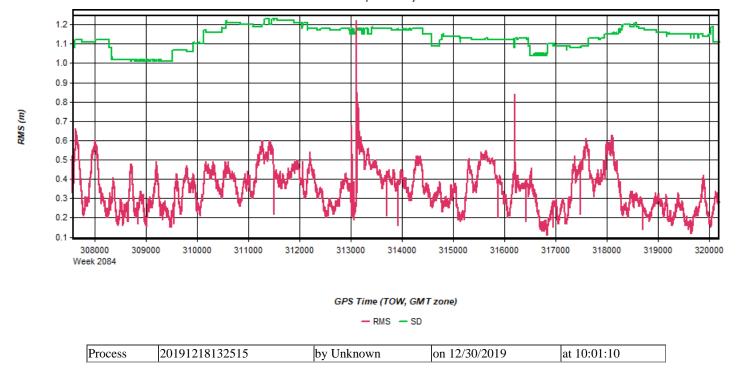


Figure 17: 20191218132515 [Smoothed TC Combined] - Carrier Residual RMS Plot

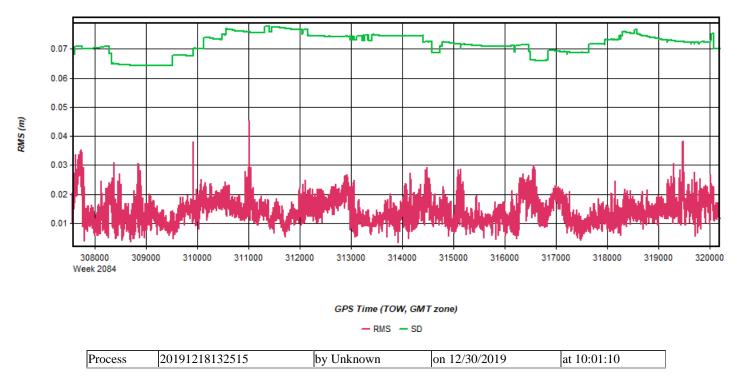


Figure 18: 20191218132515 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot



- RMS - SD

Figure 19: 20191218132515 [Smoothed TC Combined] - Accelerometer Bias Plot

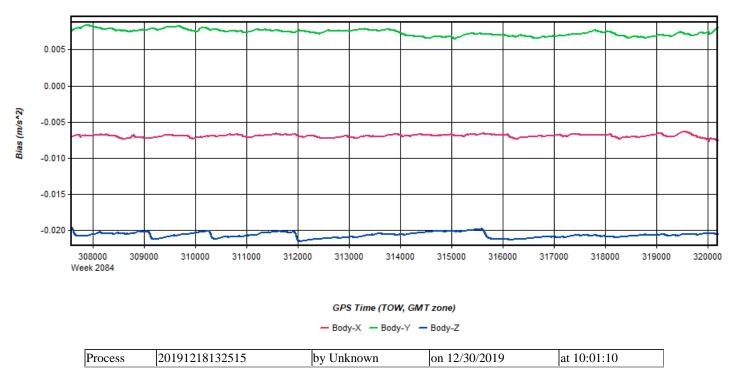
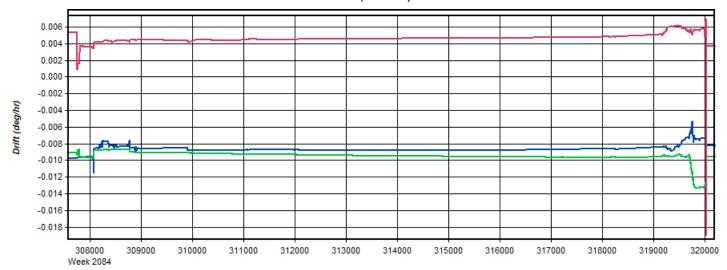


Figure 20: 20191218132515 [Smoothed TC Combined] - Gyro Drift Plot



## GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

20191218132515	by Unknown	on 12/30/2019	at 10:01:10
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# **Output Results for 20191218182835**

Inertial Explorer Version 8.80.2305 12/30/2019

Figure 1: Smoothed TC Combined - Map

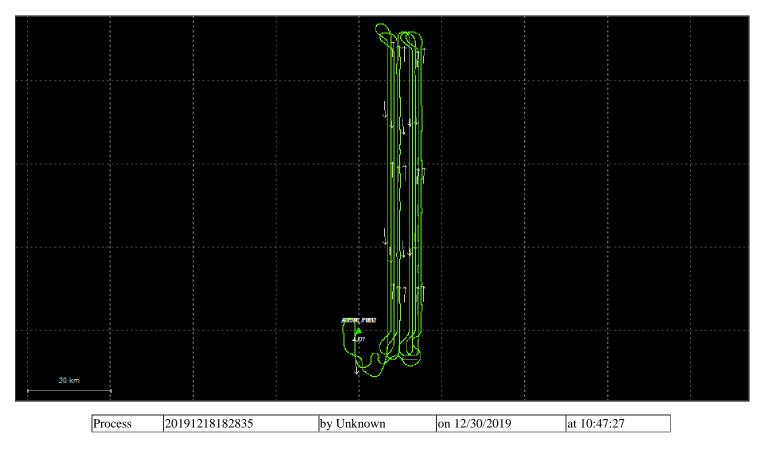


Figure 2: 20191218182835 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot



Figure 3: 20191218182835 [Smoothed TC Combined] - Float or Fixed Ambiguity

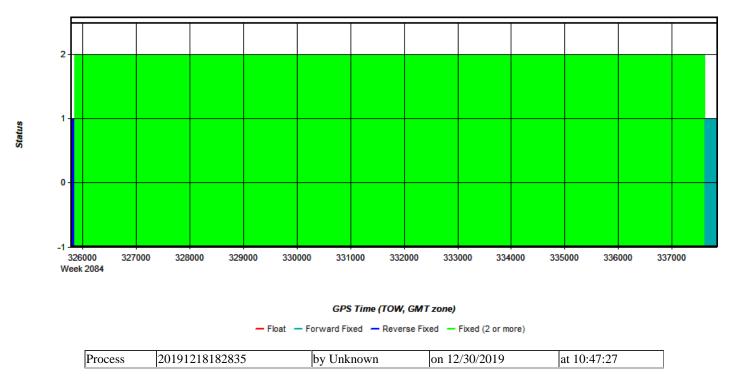


Figure 4: 20191218182835 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



Figure 5: 20191218182835 [Smoothed TC Combined] - Estimated Position Accuracy Plot



Figure 6: 20191218182835 [Smoothed TC Combined] - PDOP Plot

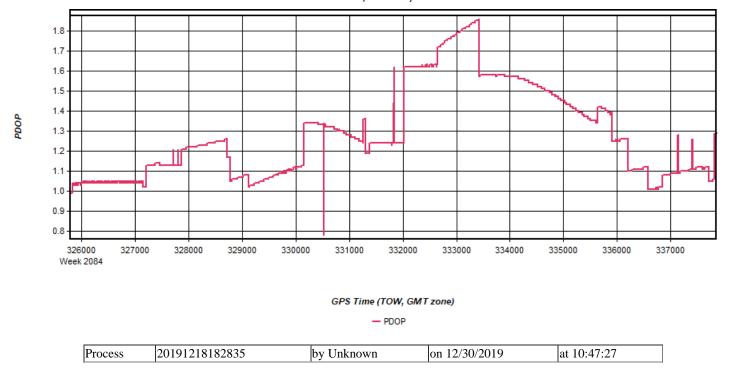


Figure 7: 20191218182835 [Smoothed TC Combined] - Number of Satellites Line Plot

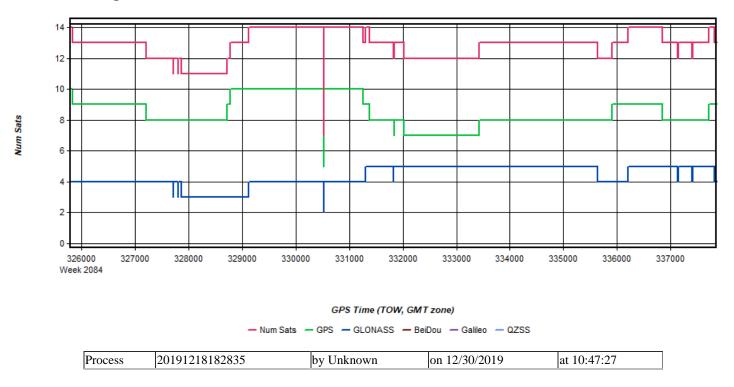


Figure 8: 20191218182835 [Smoothed TC Combined] - Status flag for IMU processing

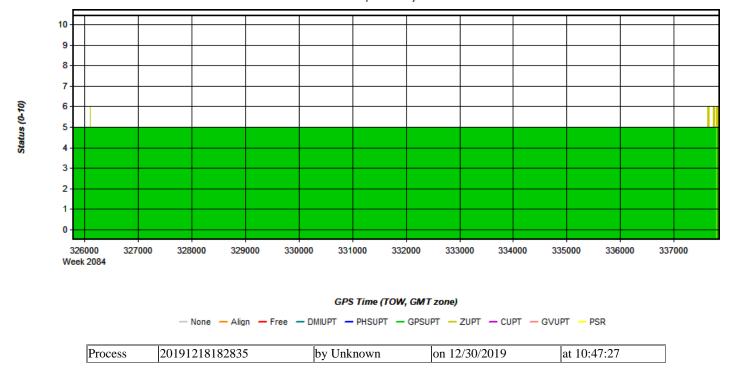


Figure 9: 20191218182835 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

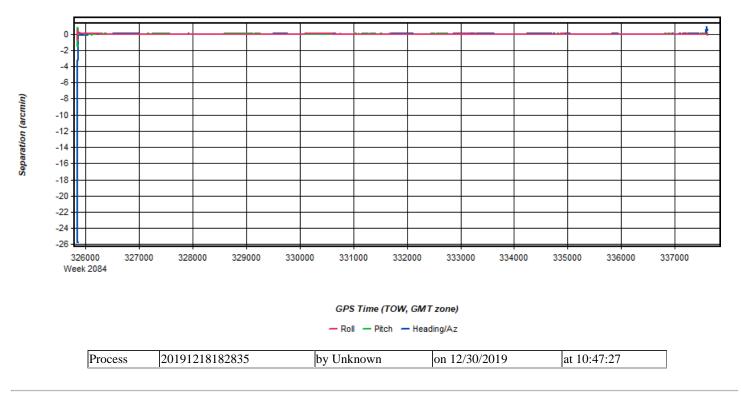
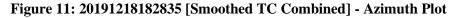


Figure 10: 20191218182835 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot



on 12/30/2019

at 10:47:27

20191218182835

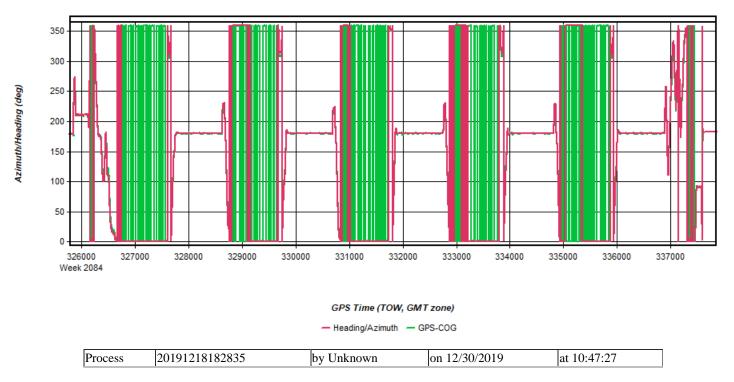


Figure 12: 20191218182835 [Smoothed TC Combined] - Roll & Pitch Plot

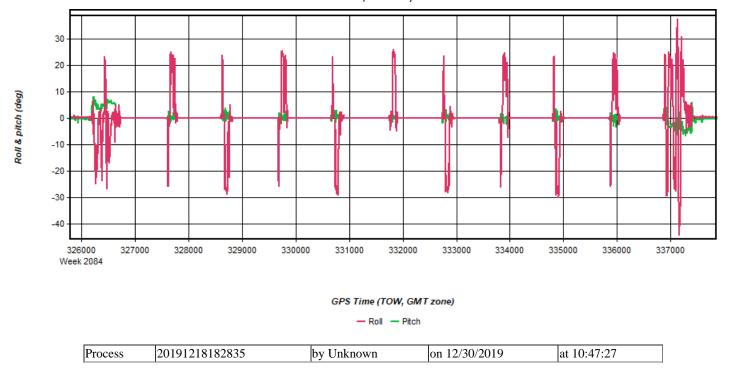


Figure 13: 20191218182835 [Smoothed TC Combined] - Velocity Profile Plot



Figure 14: 20191218182835 [Smoothed TC Combined] - Body Frame Velocity Plot

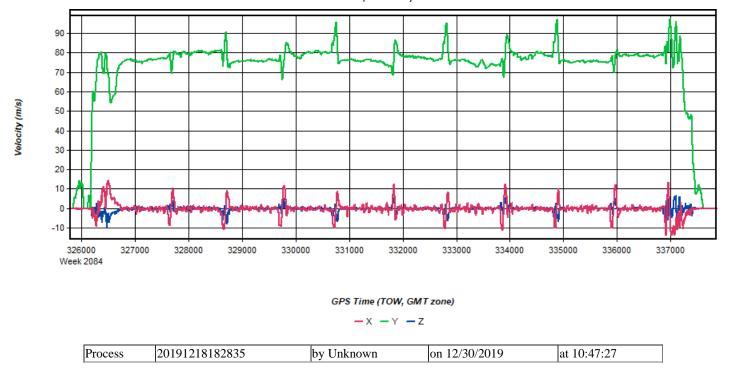


Figure 15: 20191218182835 [Smoothed TC Combined] - Height Profile Plot

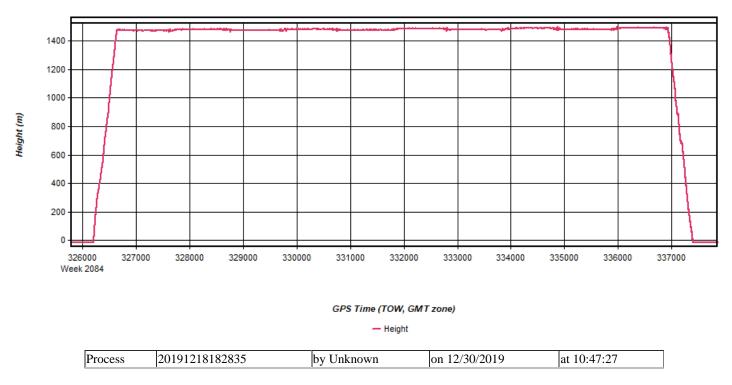


Figure 16: 20191218182835 [Smoothed TC Combined] - C/A Code Residual RMS Plot

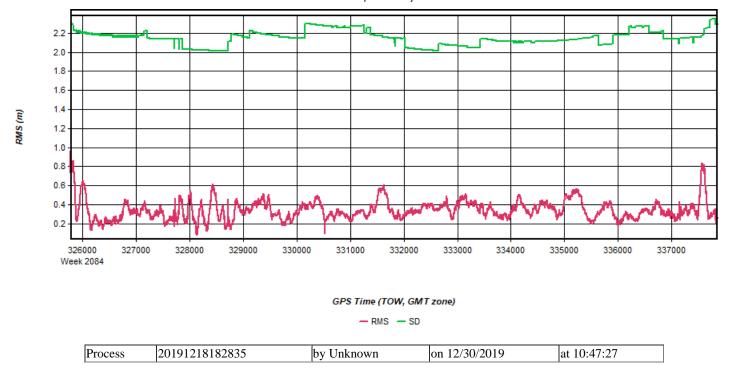


Figure 17: 20191218182835 [Smoothed TC Combined] - Carrier Residual RMS Plot

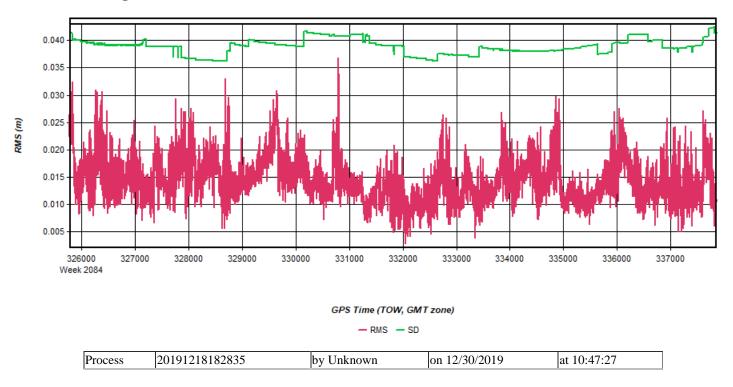


Figure 18: 20191218182835 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

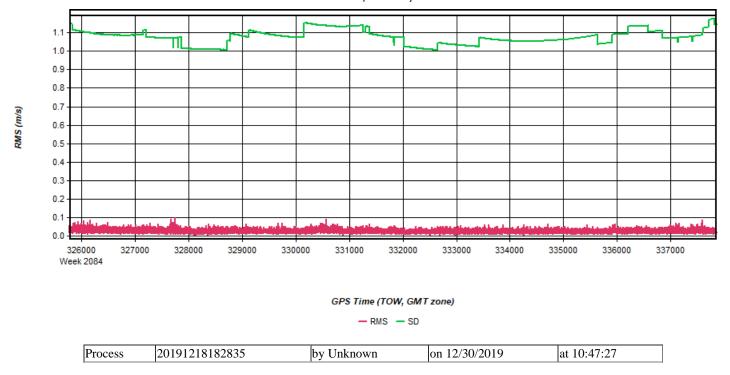


Figure 19: 20191218182835 [Smoothed TC Combined] - Accelerometer Bias Plot

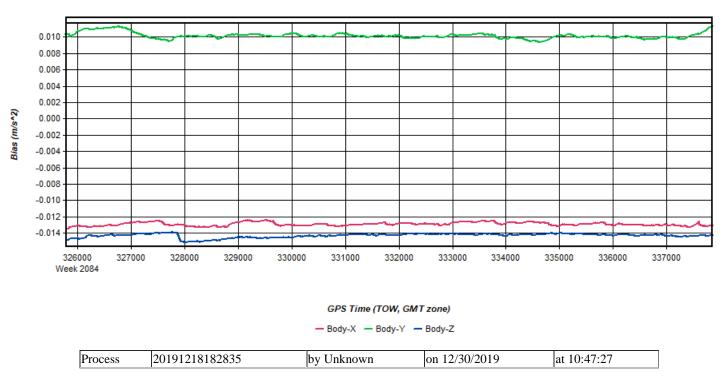
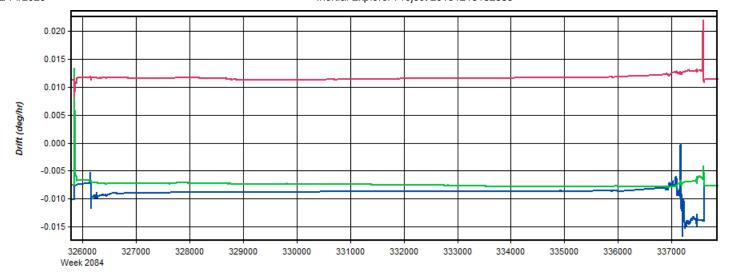


Figure 20: 20191218182835 [Smoothed TC Combined] - Gyro Drift Plot



## GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

Pr	rocess	20191218182835	by Unknown	on 12/30/2019	at 10:47:27
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# **Output Results for 20191219122525**

Inertial Explorer Version 8.80.2305 12/30/2019

Figure 1: Smoothed TC Combined - Map

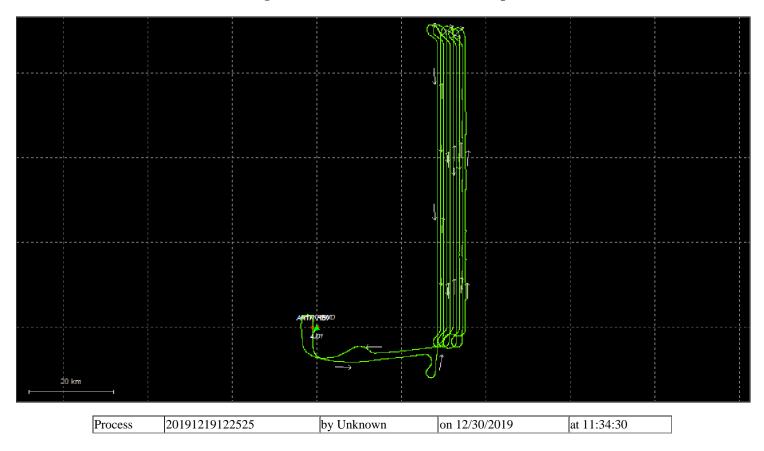


Figure 2: 20191219122525 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot



Figure 3: 20191219122525 [Smoothed TC Combined] - Float or Fixed Ambiguity

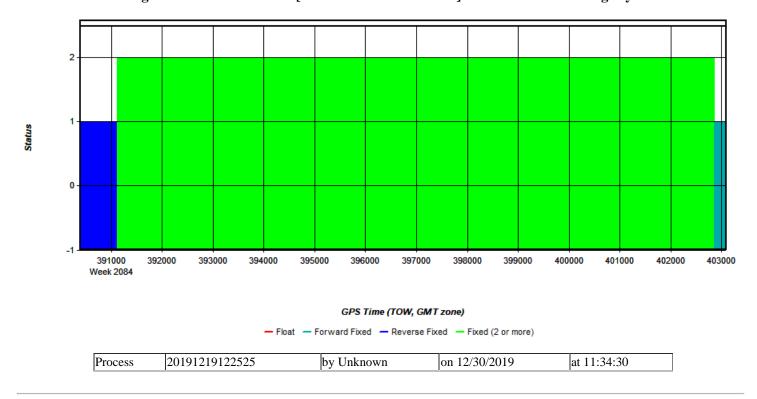


Figure 4: 20191219122525 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

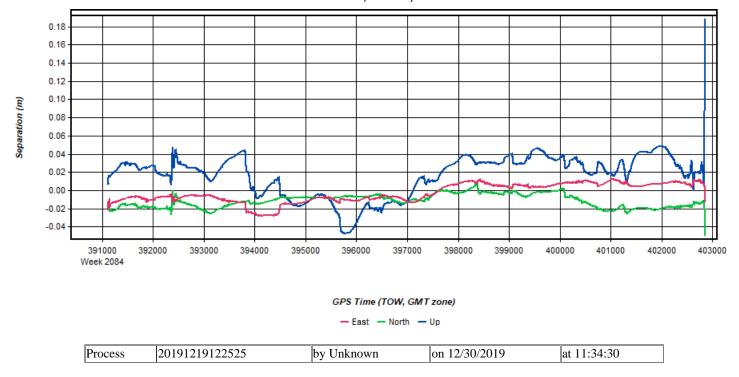


Figure 5: 20191219122525 [Smoothed TC Combined] - Estimated Position Accuracy Plot

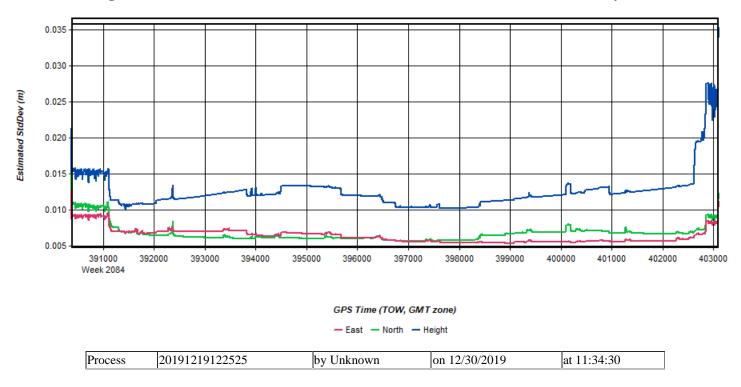


Figure 6: 20191219122525 [Smoothed TC Combined] - PDOP Plot

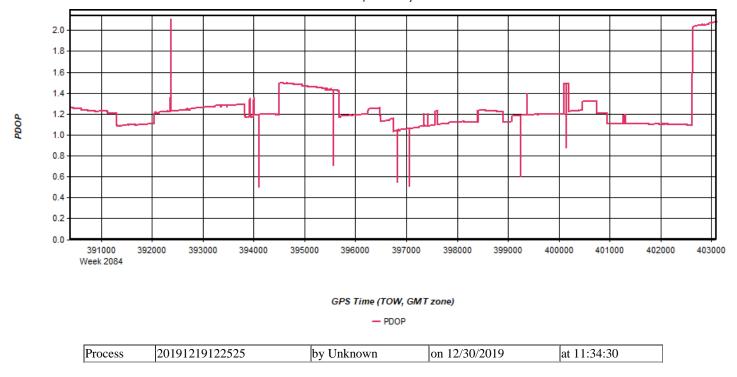


Figure 7: 20191219122525 [Smoothed TC Combined] - Number of Satellites Line Plot

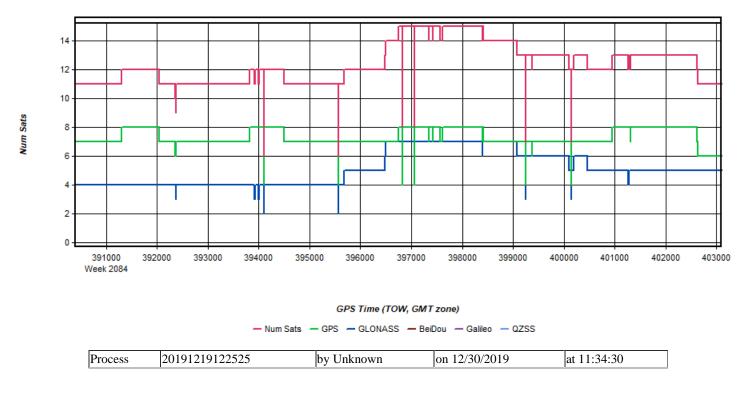


Figure 8: 20191219122525 [Smoothed TC Combined] - Status flag for IMU processing

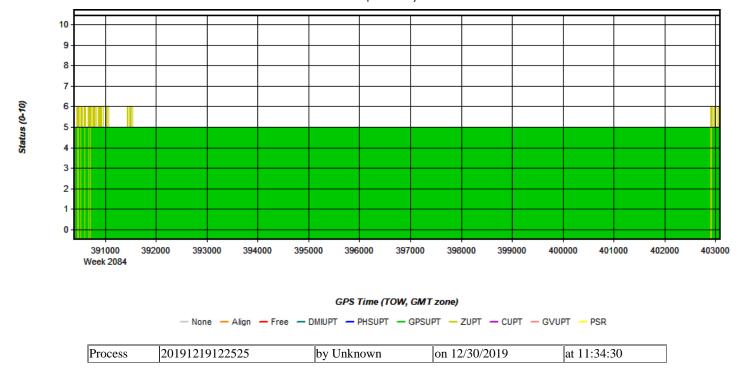


Figure 9: 20191219122525 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

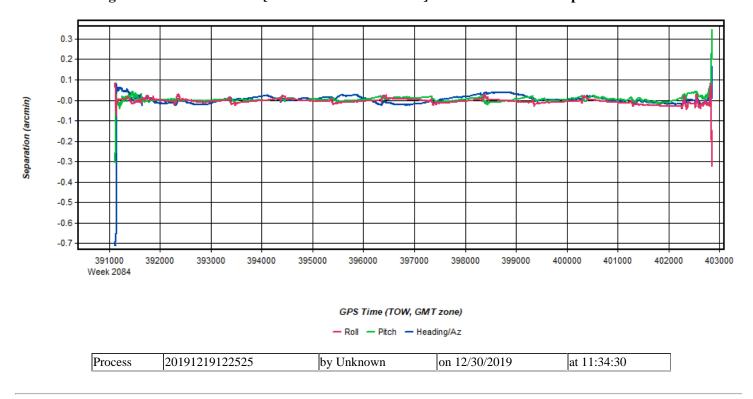


Figure 10: 20191219122525 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

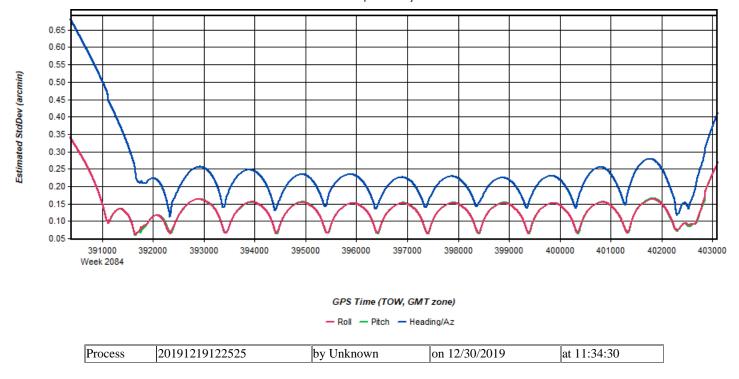


Figure 11: 20191219122525 [Smoothed TC Combined] - Azimuth Plot



Figure 12: 20191219122525 [Smoothed TC Combined] - Roll & Pitch Plot

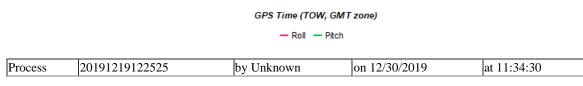


Figure 13: 20191219122525 [Smoothed TC Combined] - Velocity Profile Plot

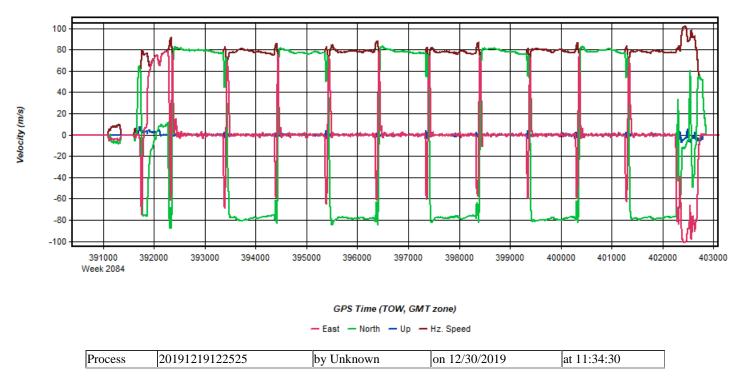


Figure 14: 20191219122525 [Smoothed TC Combined] - Body Frame Velocity Plot

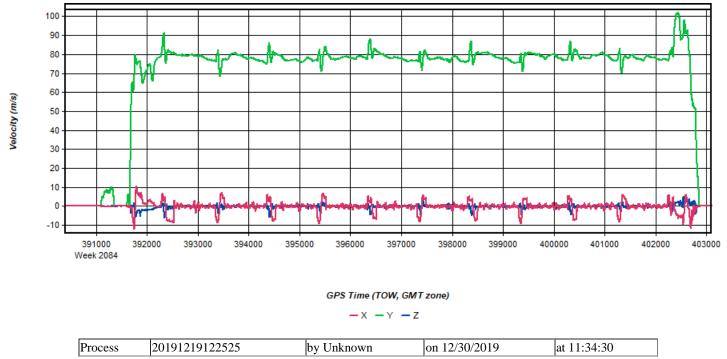


Figure 15: 20191219122525 [Smoothed TC Combined] - Height Profile Plot

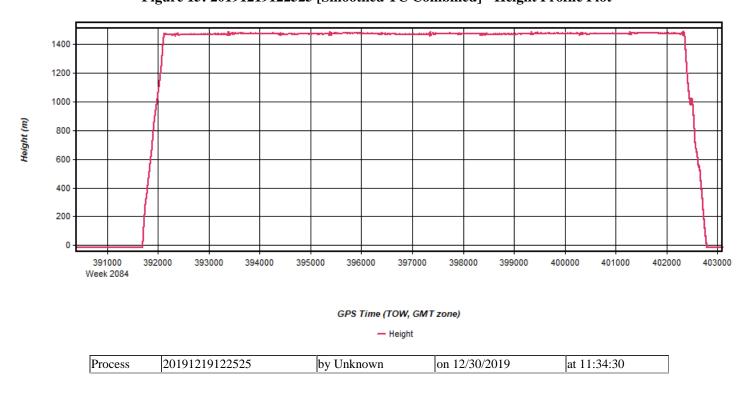


Figure 16: 20191219122525 [Smoothed TC Combined] - C/A Code Residual RMS Plot

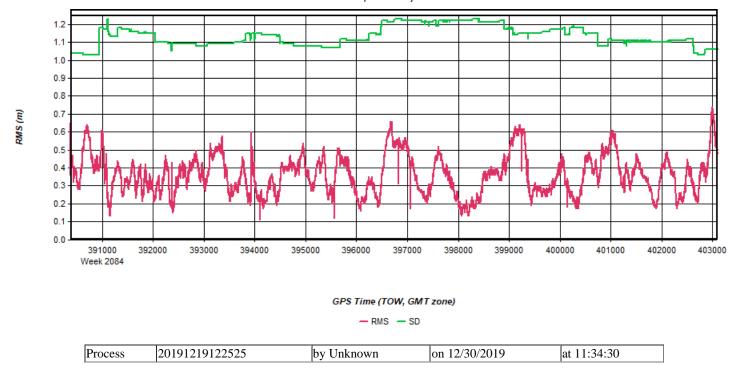


Figure 17: 20191219122525 [Smoothed TC Combined] - Carrier Residual RMS Plot

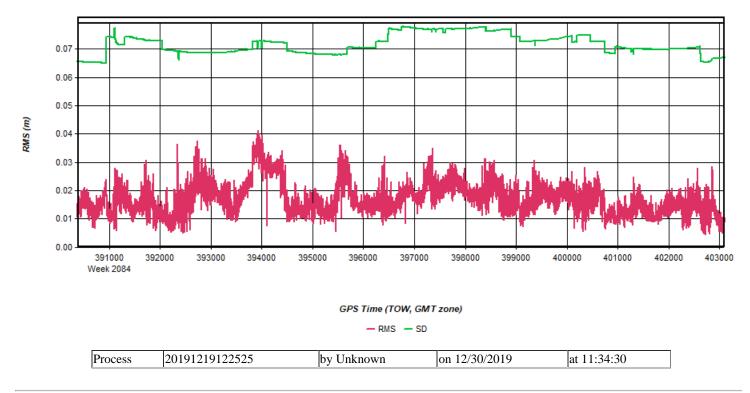


Figure 18: 20191219122525 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

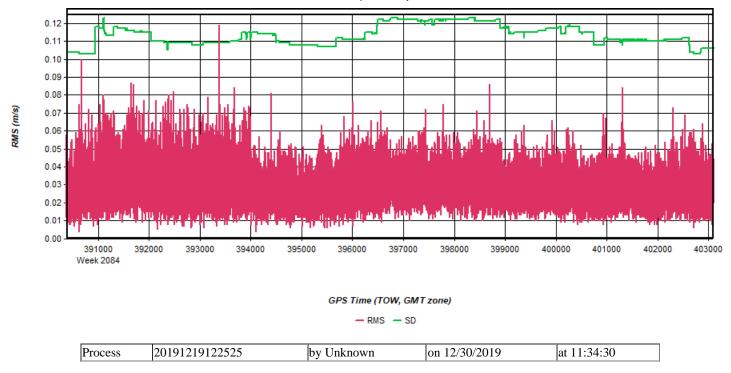


Figure 19: 20191219122525 [Smoothed TC Combined] - Accelerometer Bias Plot

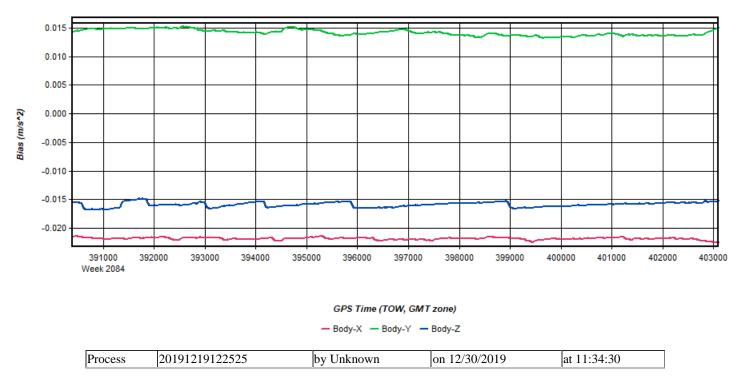
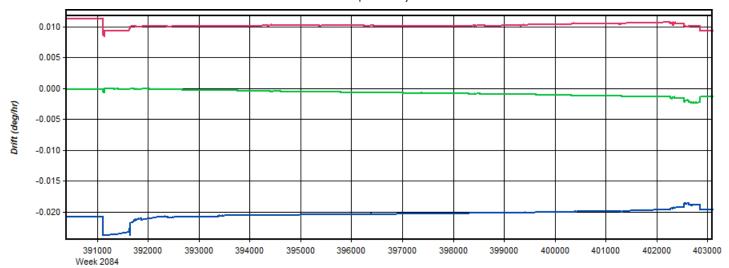


Figure 20: 20191219122525 [Smoothed TC Combined] - Gyro Drift Plot



## GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

Process	20191219122525	by Unknown	on 12/30/2019	at 11:34:30
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# **Output Results for 20191219190708**

Inertial Explorer Version 8.80.2305 12/30/2019

20 km

Figure 1: Smoothed TC Combined - Map

Figure 2: 20191219190708 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 12/30/2019

at 13:13:24

by Unknown

20191219190708



on 12/30/2019

at 13:13:24

by Unknown

20191219190708

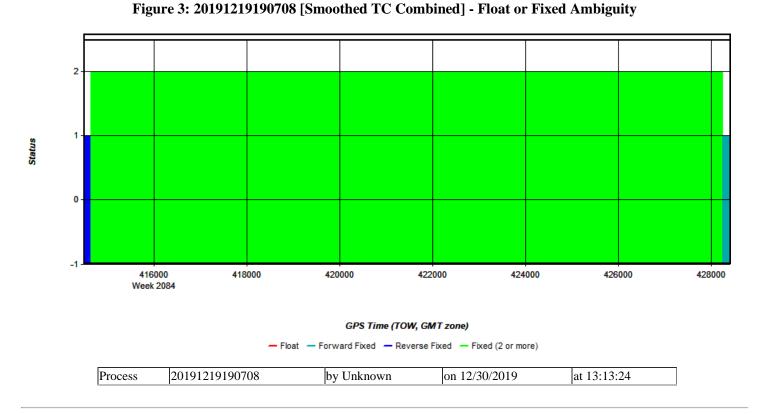


Figure 4: 20191219190708 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



on 12/30/2019

at 13:13:24

20191219190708

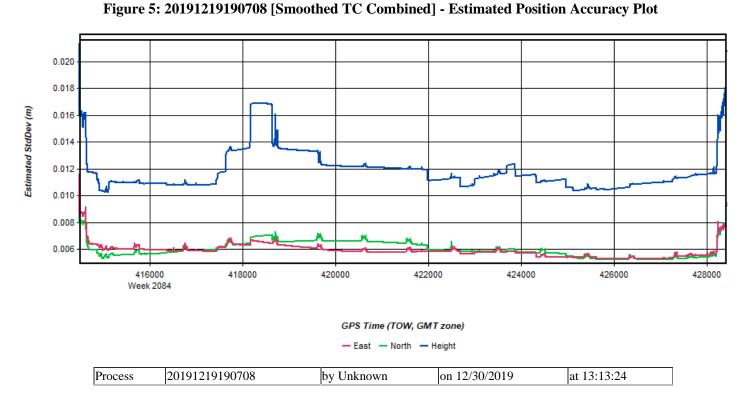


Figure 6: 20191219190708 [Smoothed TC Combined] - PDOP Plot



20191219190708

Process

- PDOP

on 12/30/2019

at 13:13:24

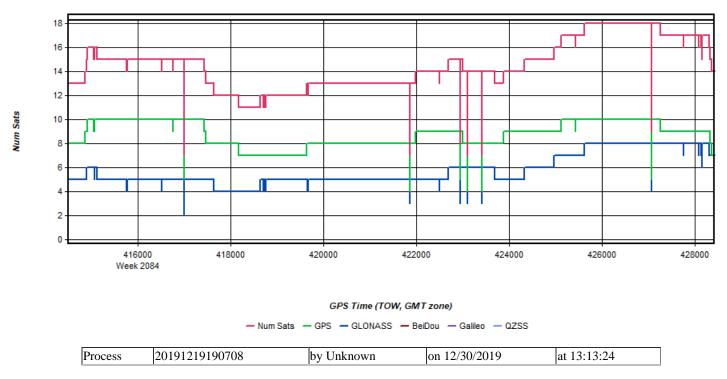


Figure 8: 20191219190708 [Smoothed TC Combined] - Status flag for IMU processing

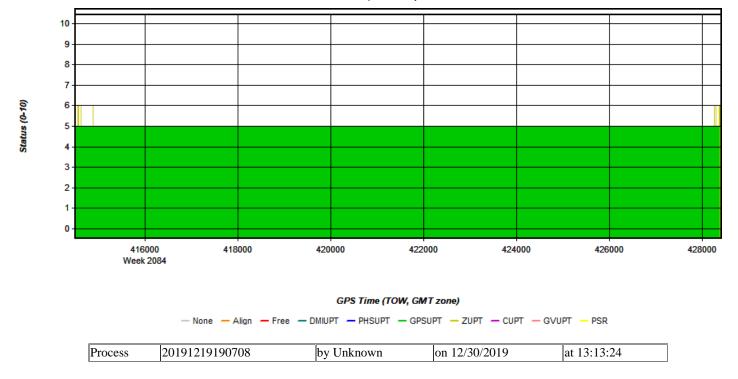


Figure 9: 20191219190708 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

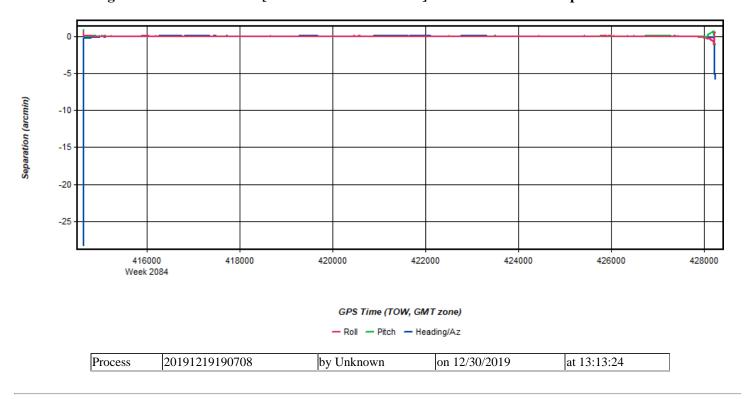


Figure 10: 20191219190708 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

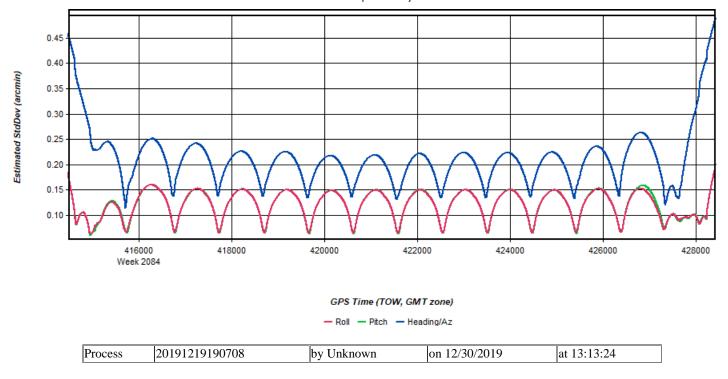


Figure 11: 20191219190708 [Smoothed TC Combined] - Azimuth Plot



Figure 12: 20191219190708 [Smoothed TC Combined] - Roll & Pitch Plot

on 12/30/2019

at 13:13:24

20191219190708

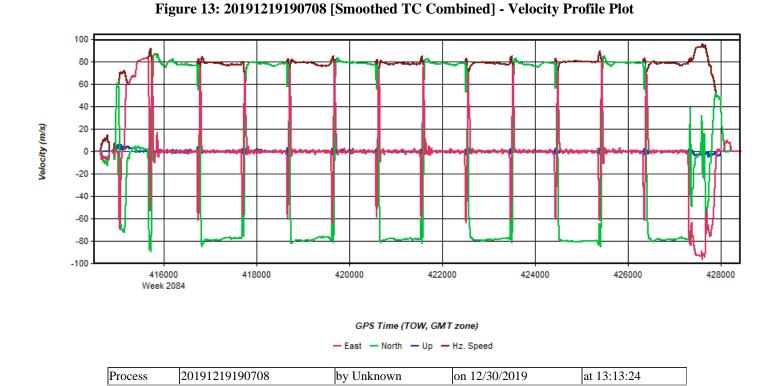


Figure 14: 20191219190708 [Smoothed TC Combined] - Body Frame Velocity Plot

2/14/2020

Velocity (m/s)



GPS Time (TOW, GMT zone)

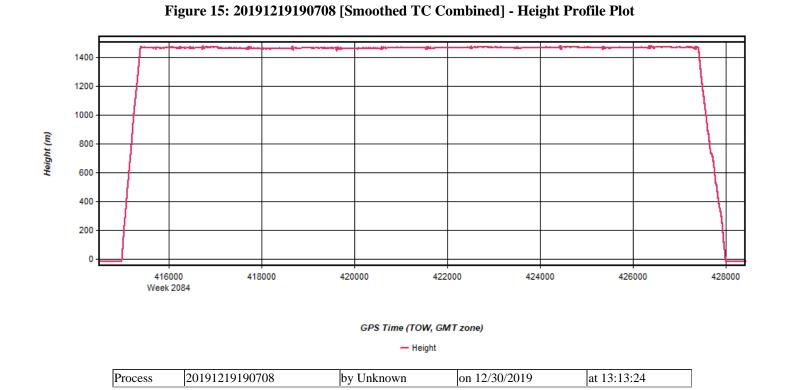


Figure 16: 20191219190708 [Smoothed TC Combined] - C/A Code Residual RMS Plot

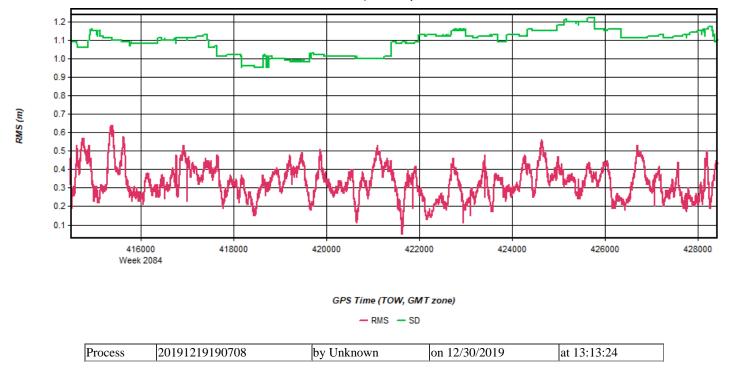


Figure 17: 20191219190708 [Smoothed TC Combined] - Carrier Residual RMS Plot

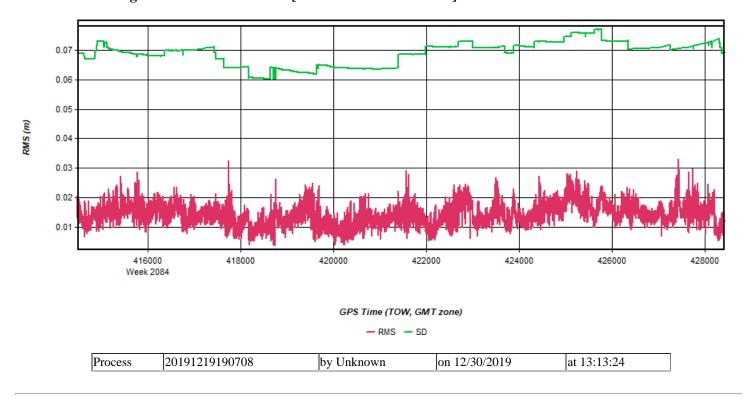


Figure 18: 20191219190708 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot



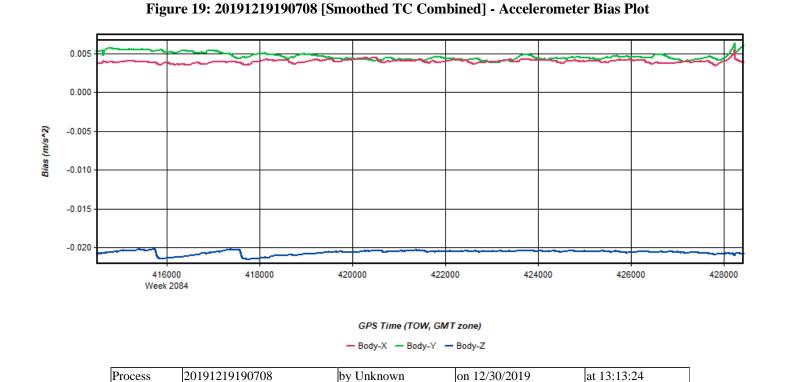
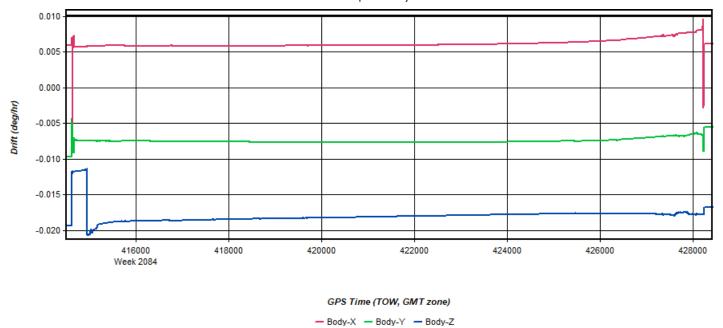
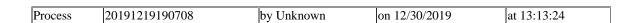


Figure 20: 20191219190708 [Smoothed TC Combined] - Gyro Drift Plot





Inertial Explorer Version 8.80.2305 12/30/2019

20 km

Figure 1: Smoothed TC Combined - Map

Figure 2: 20191220121104 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 12/30/2019

at 14:02:24

by Unknown

20191220121104

Process



Figure 3: 20191220121104 [Smoothed TC Combined] - Float or Fixed Ambiguity

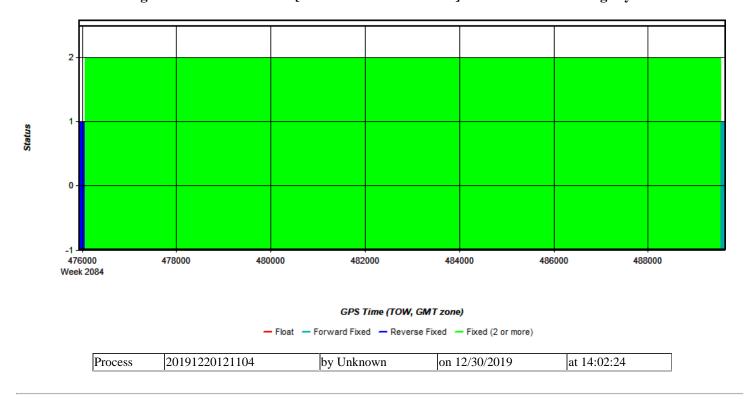


Figure 4: 20191220121104 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



on 12/30/2019

by Unknown

at 14:02:24

20191220121104

Process

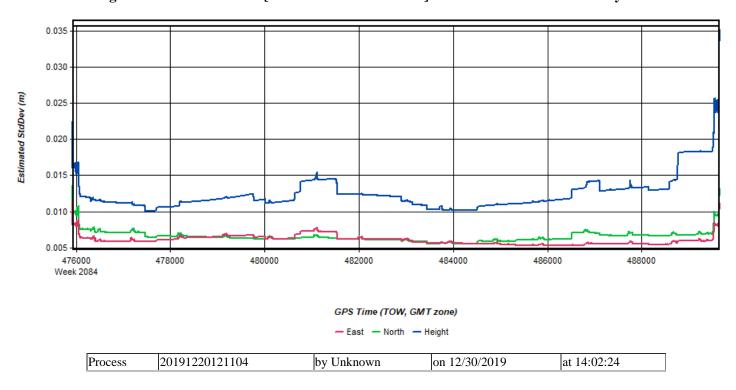


Figure 6: 20191220121104 [Smoothed TC Combined] - PDOP Plot

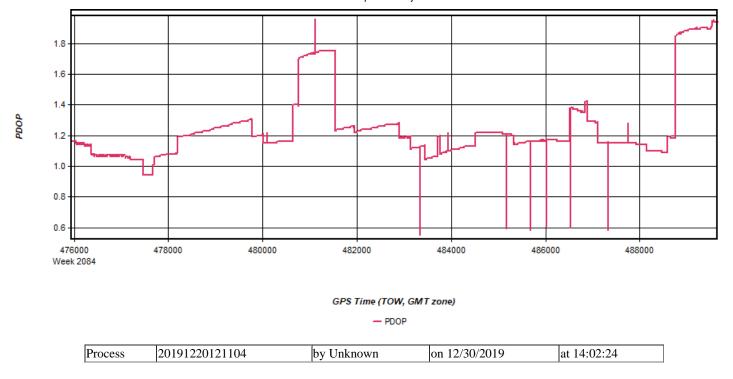


Figure 7: 20191220121104 [Smoothed TC Combined] - Number of Satellites Line Plot

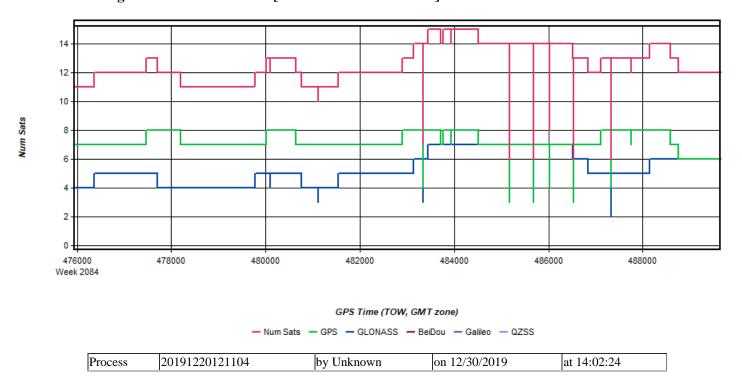


Figure 8: 20191220121104 [Smoothed TC Combined] - Status flag for IMU processing

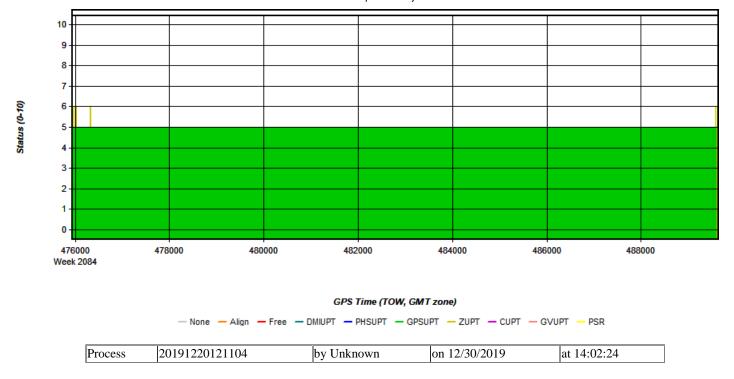


Figure 9: 20191220121104 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

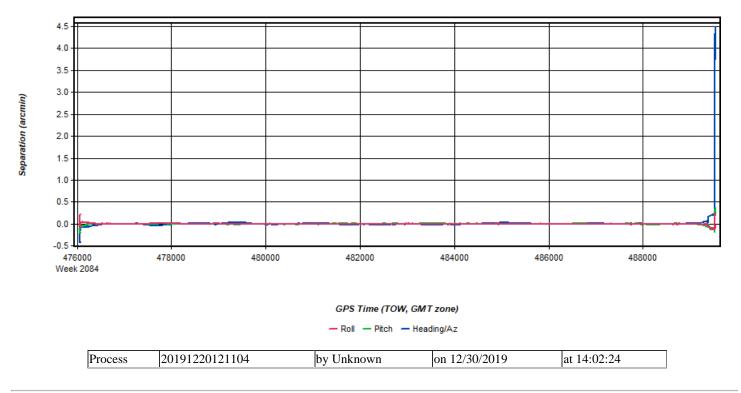


Figure 10: 20191220121104 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

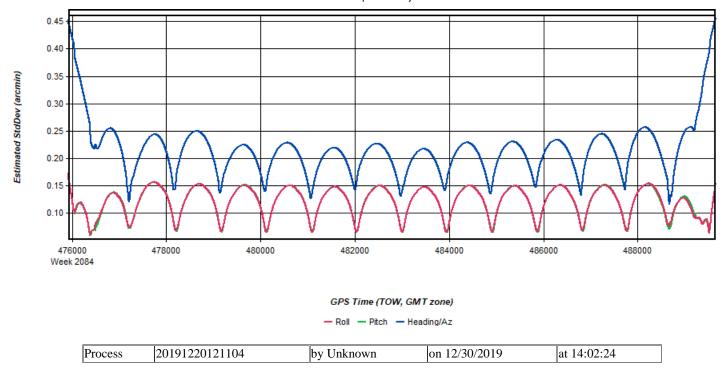


Figure 11: 20191220121104 [Smoothed TC Combined] - Azimuth Plot



Figure 12: 20191220121104 [Smoothed TC Combined] - Roll & Pitch Plot

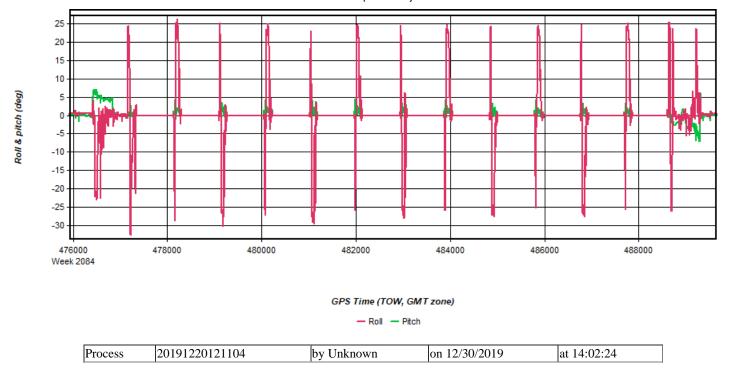


Figure 13: 20191220121104 [Smoothed TC Combined] - Velocity Profile Plot



Figure 14: 20191220121104 [Smoothed TC Combined] - Body Frame Velocity Plot



Figure 15: 20191220121104 [Smoothed TC Combined] - Height Profile Plot

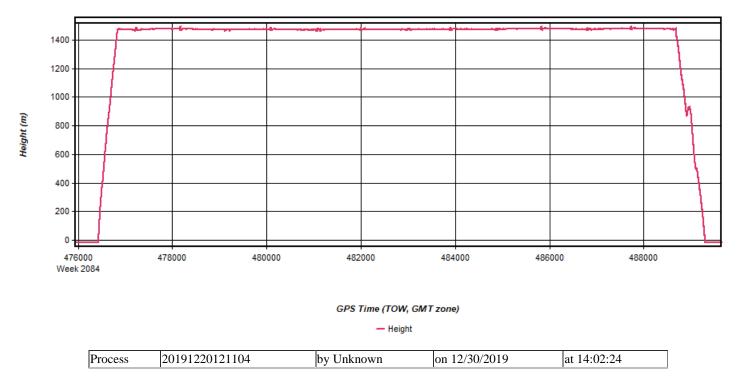


Figure 16: 20191220121104 [Smoothed TC Combined] - C/A Code Residual RMS Plot

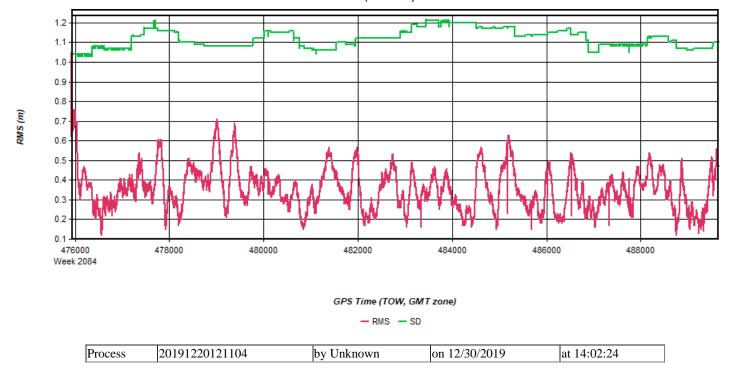


Figure 17: 20191220121104 [Smoothed TC Combined] - Carrier Residual RMS Plot

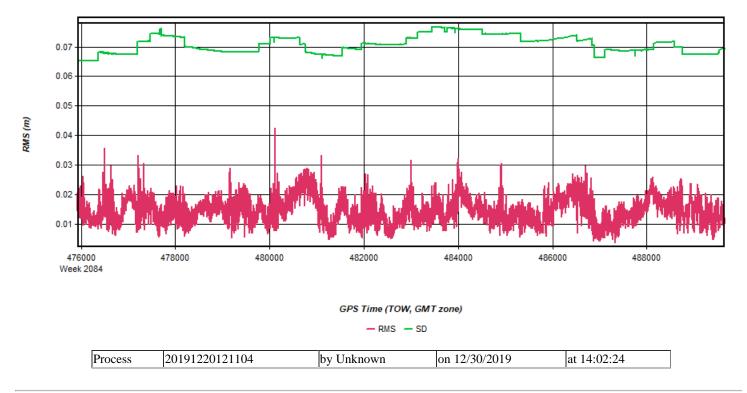


Figure 18: 20191220121104 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

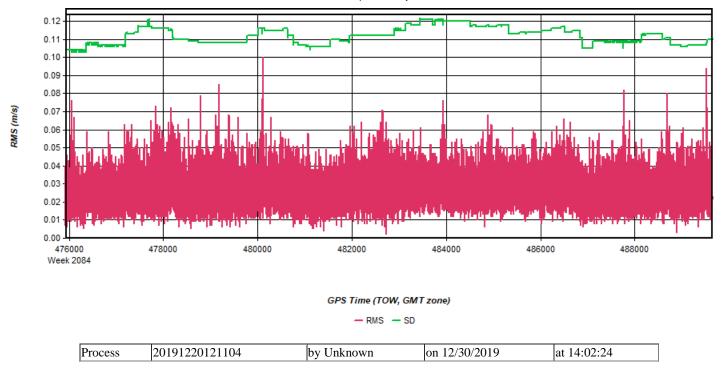


Figure 19: 20191220121104 [Smoothed TC Combined] - Accelerometer Bias Plot

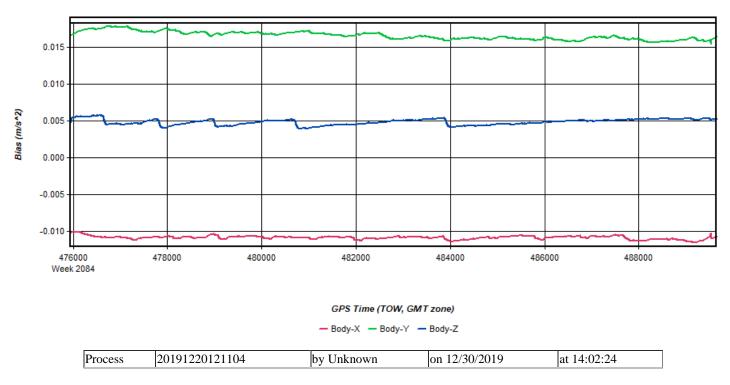
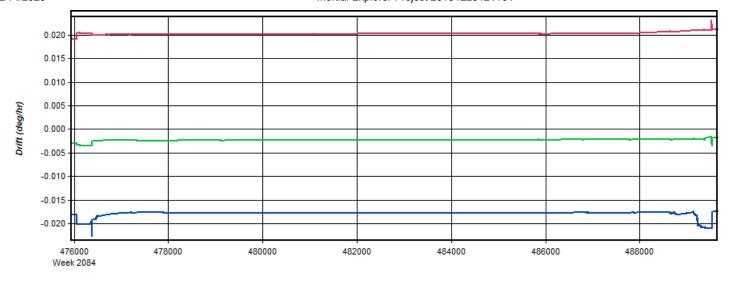


Figure 20: 20191220121104 [Smoothed TC Combined] - Gyro Drift Plot





─ Body-X ─ Body-Y ─ Body-Z

ocess 20191220121104	by Unknown	on 12/30/2019	at 14:02:24
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Inertial Explorer Version 8.80.2305 01/12/2020

Process 20200110015541 by Unknown on 1/10/2020 at 23:50:10

Figure 1: Smoothed TC Combined - Map

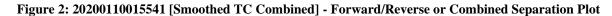




Figure 3: 20200110015541 [Smoothed TC Combined] - Float or Fixed Ambiguity

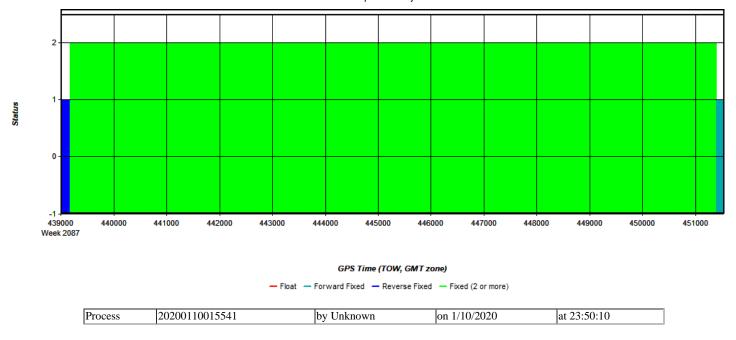


Figure 4: 20200110015541 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

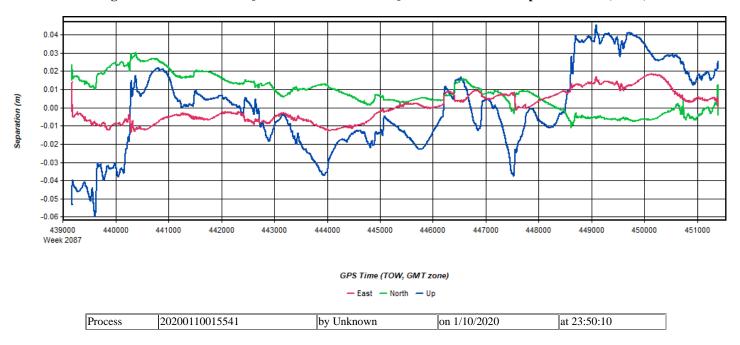


Figure 5: 20200110015541 [Smoothed TC Combined] - Estimated Position Accuracy Plot

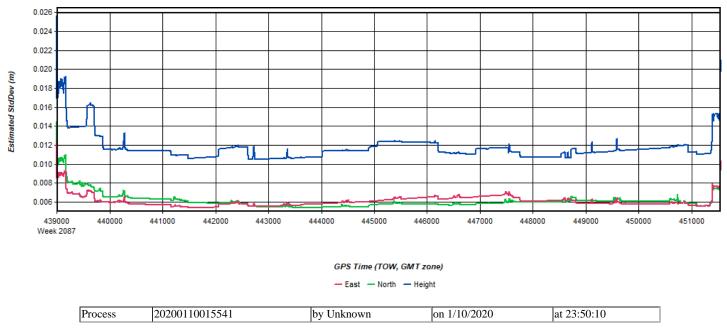


Figure 6: 20200110015541 [Smoothed TC Combined] - PDOP Plot

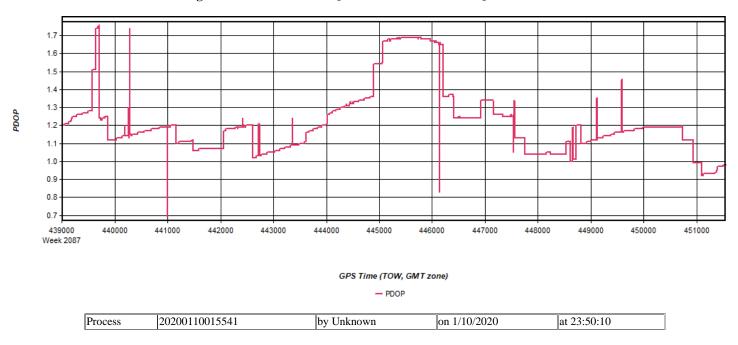


Figure 7: 20200110015541 [Smoothed TC Combined] - Number of Satellites Line Plot

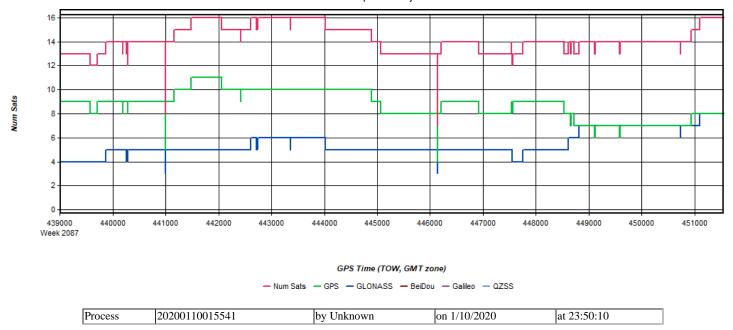


Figure 8: 20200110015541 [Smoothed TC Combined] - Status flag for IMU processing

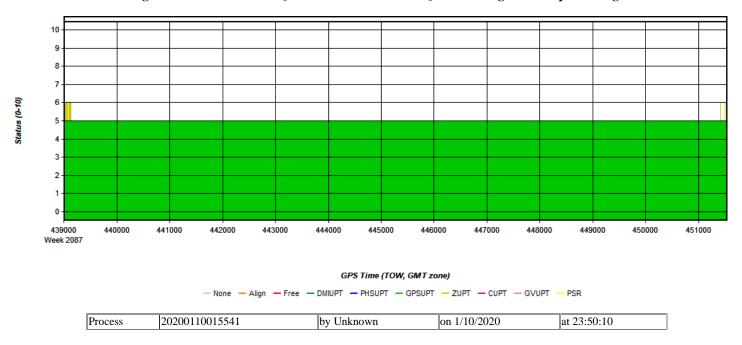


Figure 9: 20200110015541 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

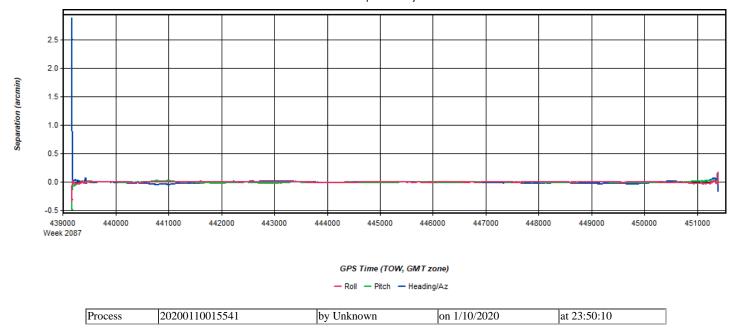


Figure 10: 20200110015541 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

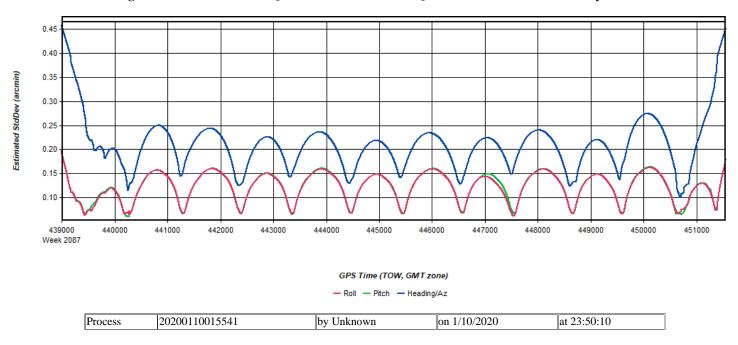


Figure 11: 20200110015541 [Smoothed TC Combined] - Azimuth Plot

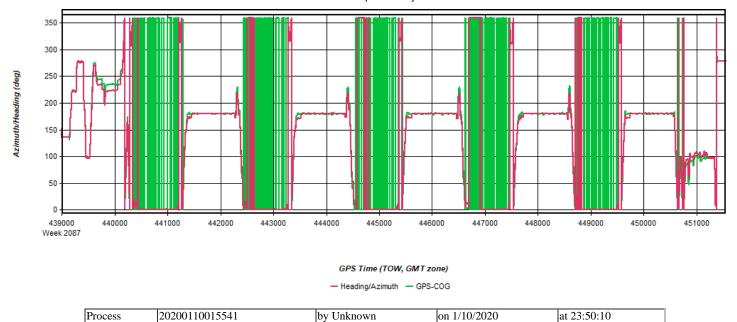


Figure 12: 20200110015541 [Smoothed TC Combined] - Roll & Pitch Plot

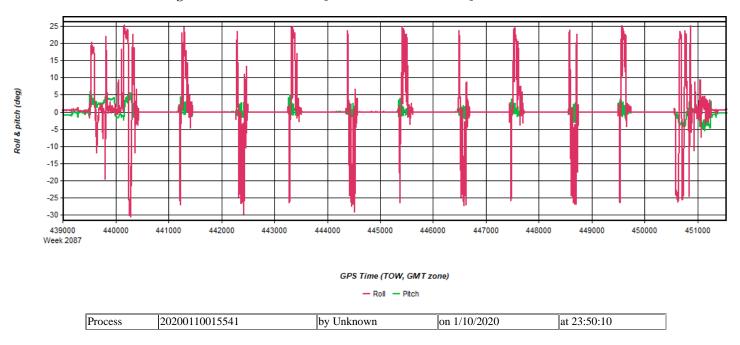


Figure 13: 20200110015541 [Smoothed TC Combined] - Velocity Profile Plot

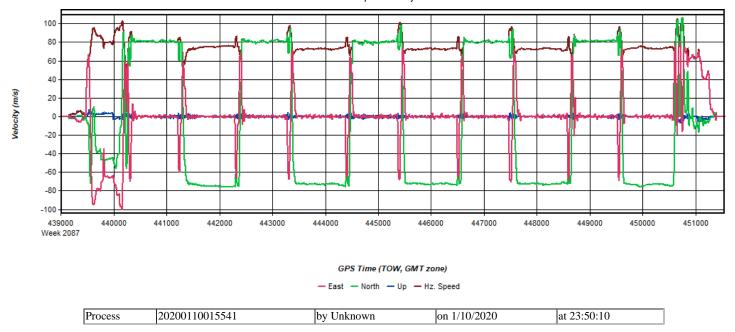


Figure 14: 20200110015541 [Smoothed TC Combined] - Body Frame Velocity Plot



Figure 15: 20200110015541 [Smoothed TC Combined] - Height Profile Plot

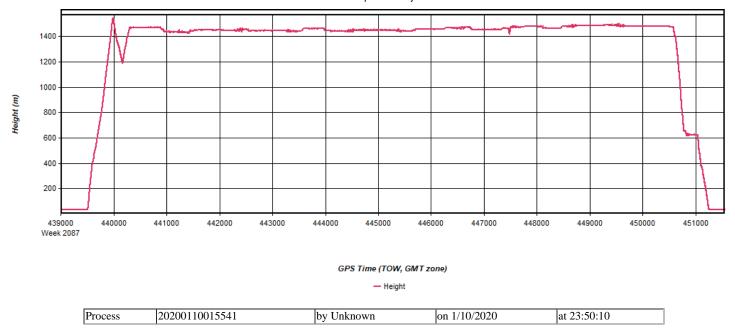


Figure 16: 20200110015541 [Smoothed TC Combined] - C/A Code Residual RMS Plot

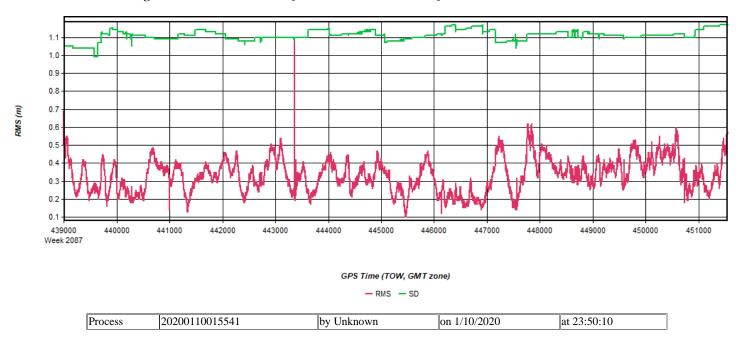


Figure 17: 20200110015541 [Smoothed TC Combined] - Carrier Residual RMS Plot

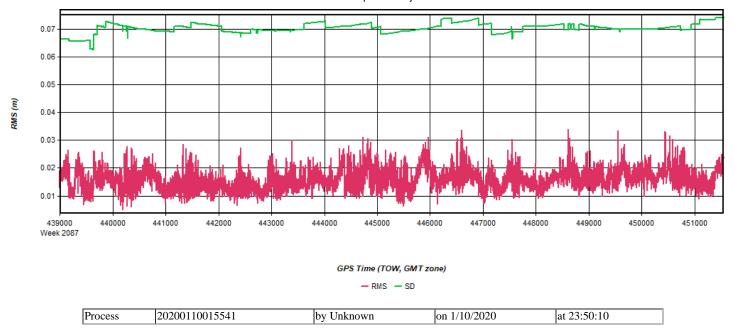


Figure 18: 20200110015541 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

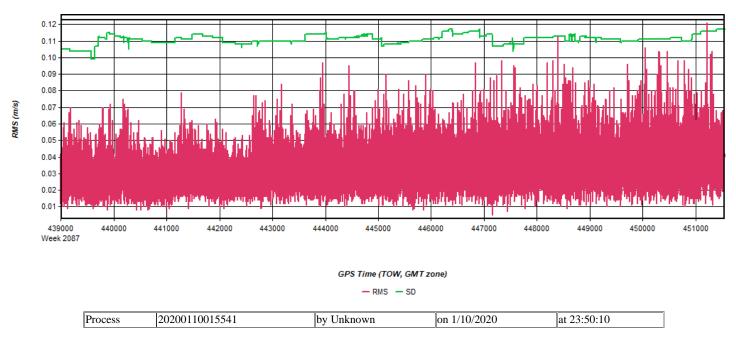
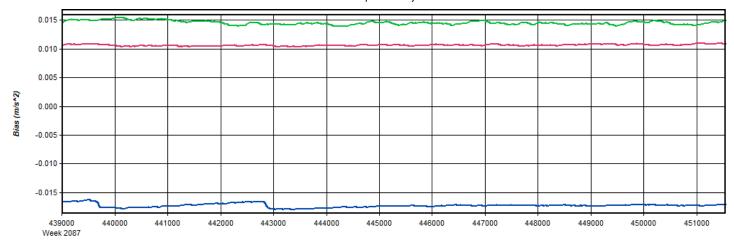


Figure 19: 20200110015541 [Smoothed TC Combined] - Accelerometer Bias Plot

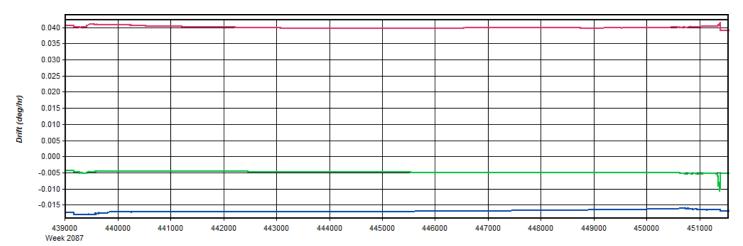


GPS Time (TOW, GMT zone)

— Body-X — Body-Y — Body-Z

Process	20200110015541	by Unknown	on 1/10/2020	at 23:50:10
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Figure 20: 20200110015541 [Smoothed TC Combined] - Gyro Drift Plot



GPS Time (TOW, GMT zone)

		Process	20200110015541	by Unknown	on 1/10/2020	at 23:50:10
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Inertial Explorer Version 8.80.2305 01/21/2020

Figure 1: Smoothed TC Combined - Map

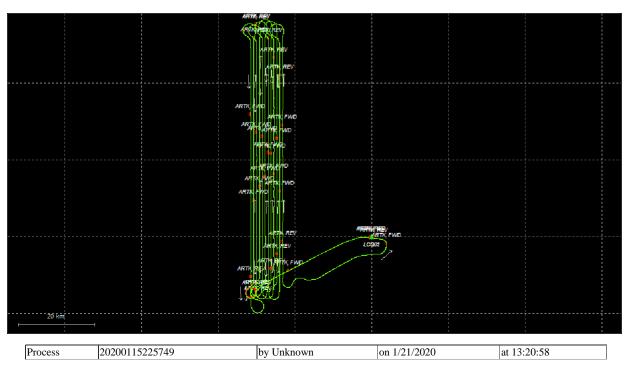


Figure 2: 20200115225749 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

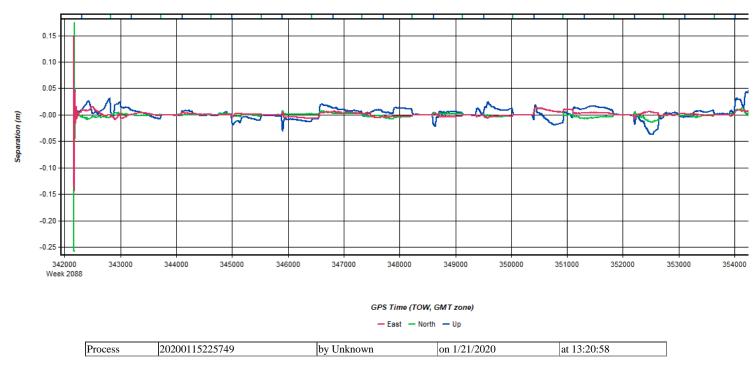


Figure 3: 20200115225749 [Smoothed TC Combined] - Float or Fixed Ambiguity

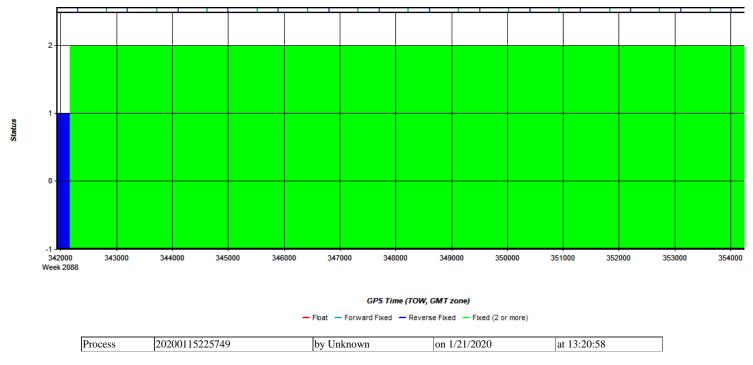


Figure 4: 20200115225749 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



Figure 5: 20200115225749 [Smoothed TC Combined] - Estimated Position Accuracy Plot

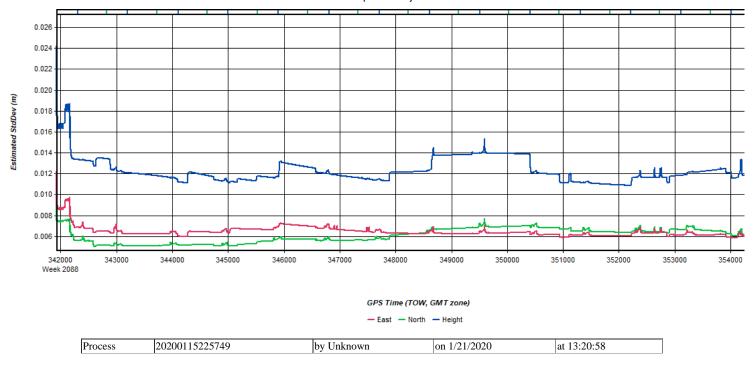


Figure 6: 20200115225749 [Smoothed TC Combined] - PDOP Plot

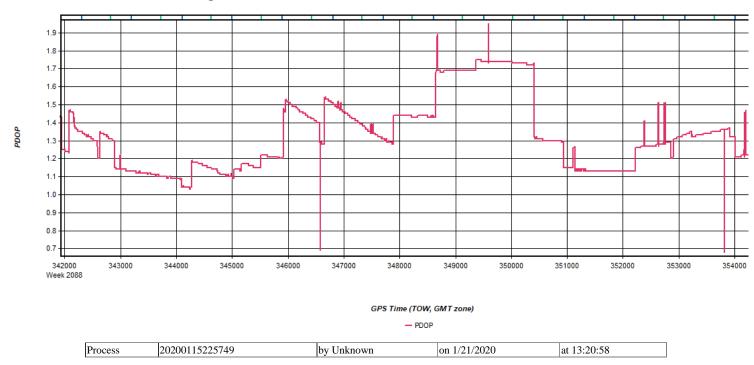


Figure 7: 20200115225749 [Smoothed TC Combined] - Number of Satellites Line Plot

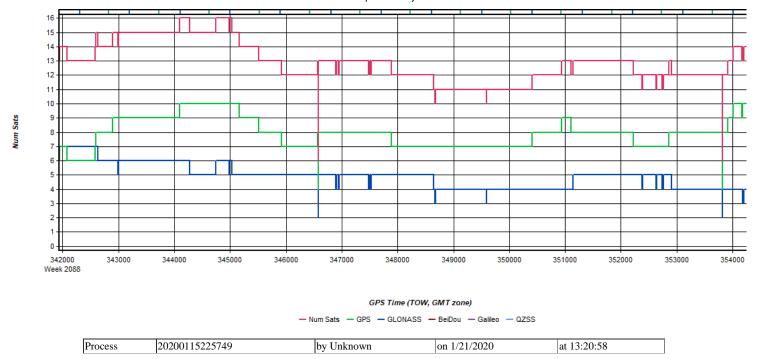


Figure 8: 20200115225749 [Smoothed TC Combined] - Status flag for IMU processing

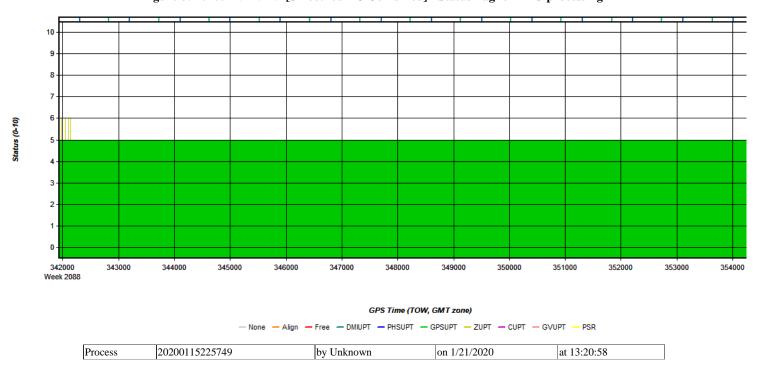


Figure 9: 20200115225749 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

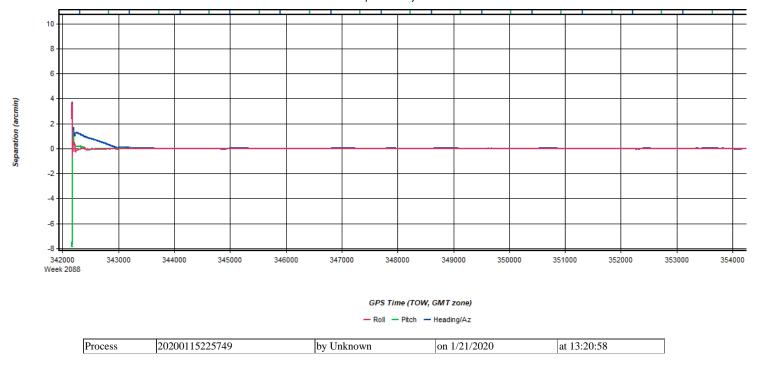


Figure 10: 20200115225749 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

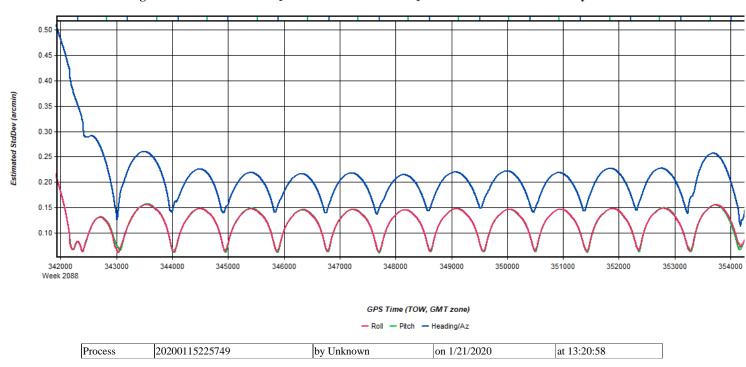


Figure 11: 20200115225749 [Smoothed TC Combined] - Azimuth Plot

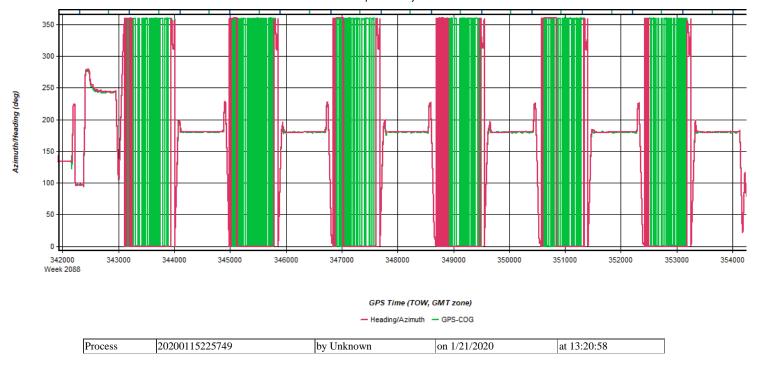


Figure 12: 20200115225749 [Smoothed TC Combined] - Roll & Pitch Plot

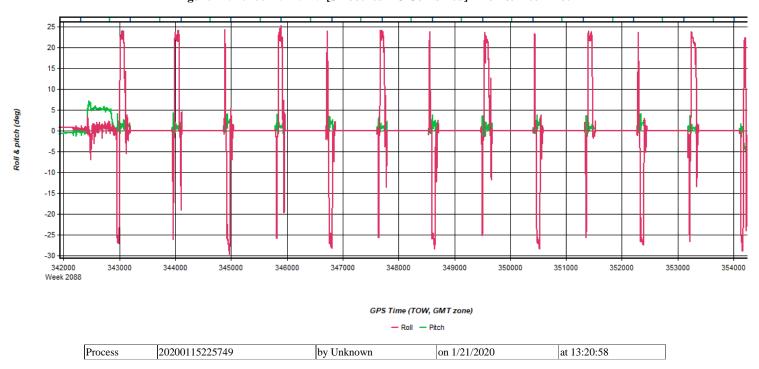


Figure 13: 20200115225749 [Smoothed TC Combined] - Velocity Profile Plot

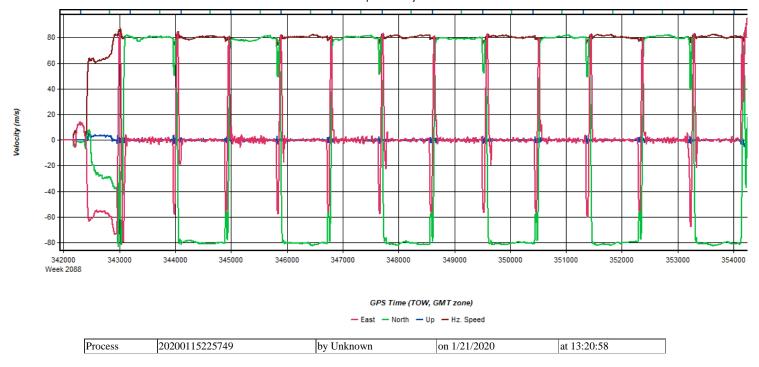


Figure 14: 20200115225749 [Smoothed TC Combined] - Body Frame Velocity Plot

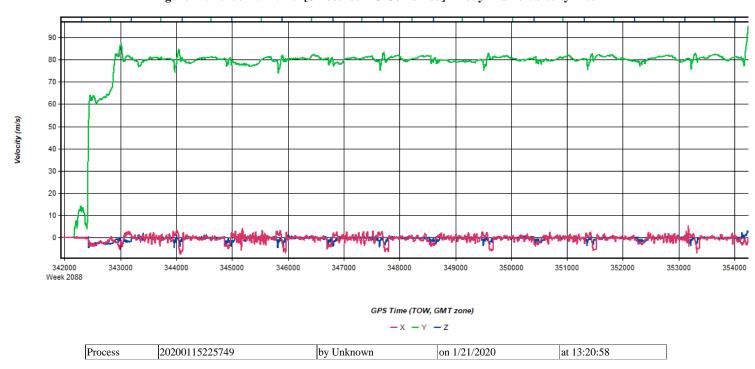


Figure 15: 20200115225749 [Smoothed TC Combined] - Height Profile Plot



Figure 16: 20200115225749 [Smoothed TC Combined] - C/A Code Residual RMS Plot

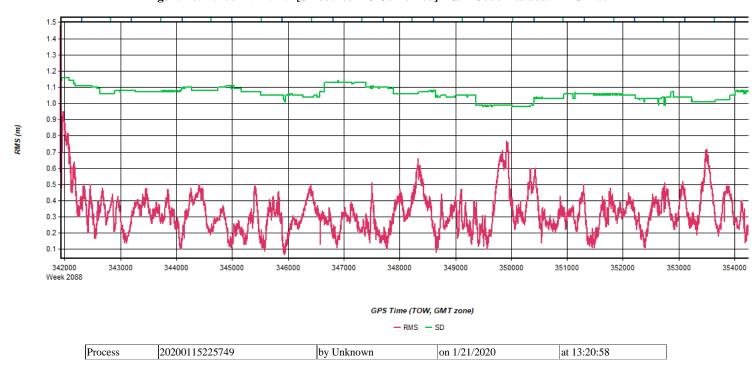


Figure 17: 20200115225749 [Smoothed TC Combined] - Carrier Residual RMS Plot

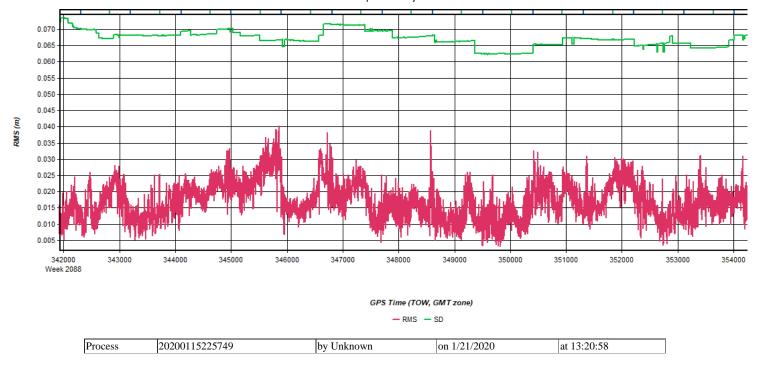


Figure 18: 20200115225749 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

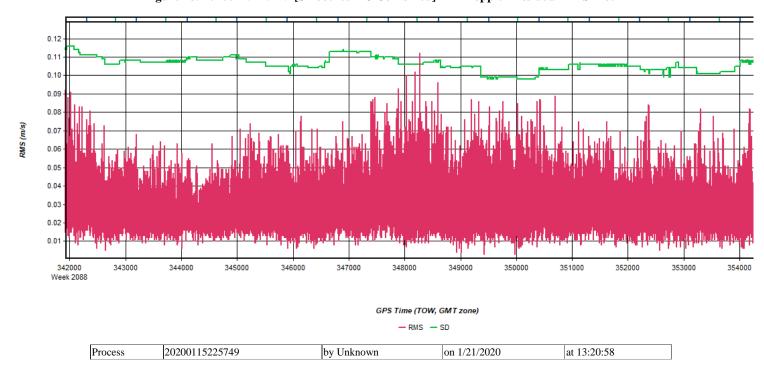


Figure 19: 20200115225749 [Smoothed TC Combined] - Accelerometer Bias Plot

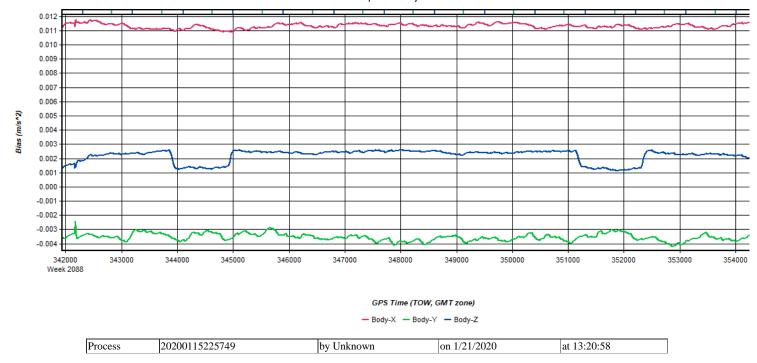
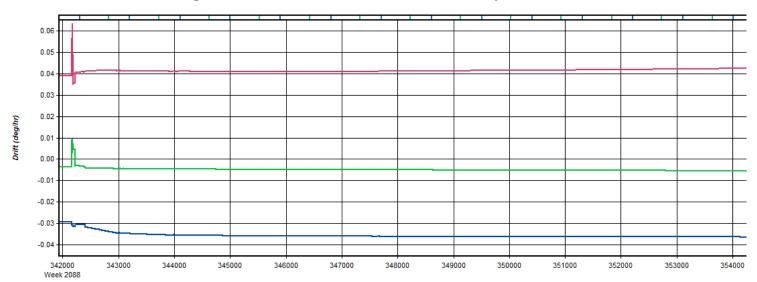


Figure 20: 20200115225749 [Smoothed TC Combined] - Gyro Drift Plot



GPS Time (TOW, GMT zone)

— Body-X — Body-Y — Body-Z

ess 20200115225749	by Unknown	on 1/21/2020	at 13:20:58	
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Inertial Explorer Version 8.80.2305 01/21/2020

Figure 1: Smoothed TC Combined - Map

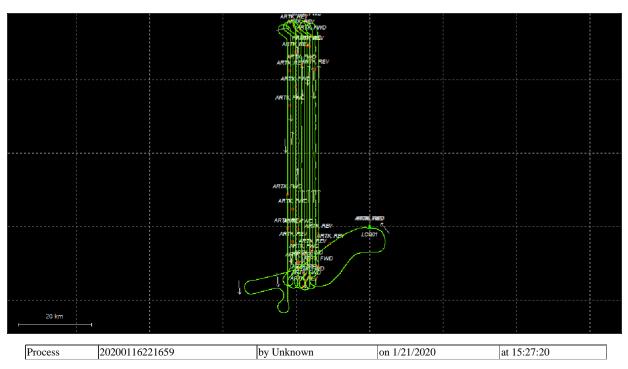


Figure 2: 20200116221659 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

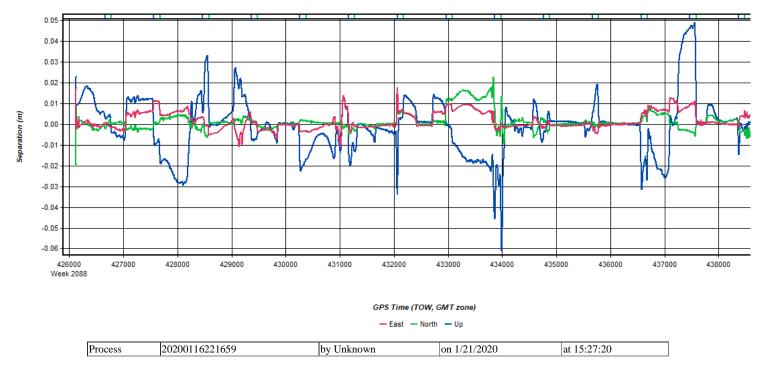


Figure 3: 20200116221659 [Smoothed TC Combined] - Float or Fixed Ambiguity

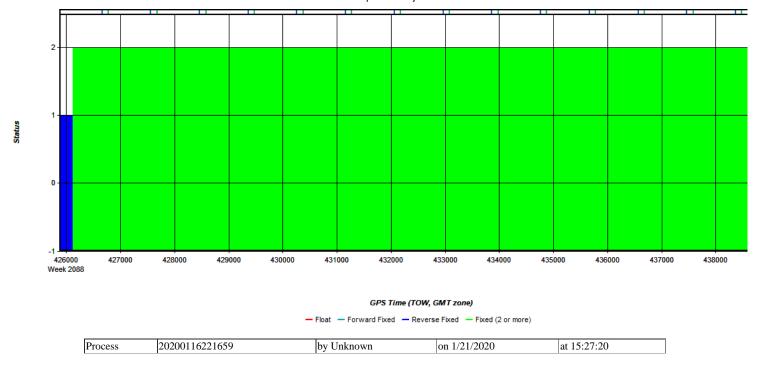


Figure 4: 20200116221659 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

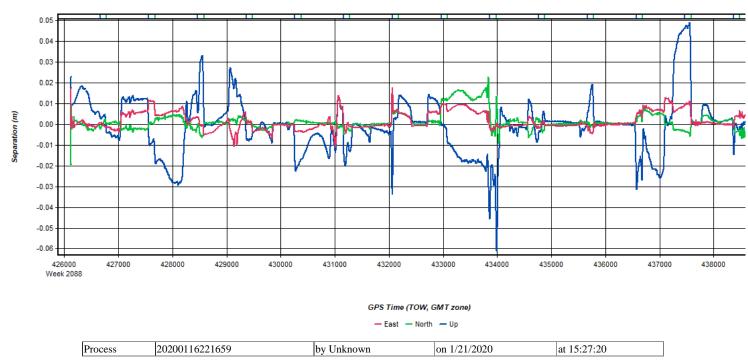


Figure 5: 20200116221659 [Smoothed TC Combined] - Estimated Position Accuracy Plot

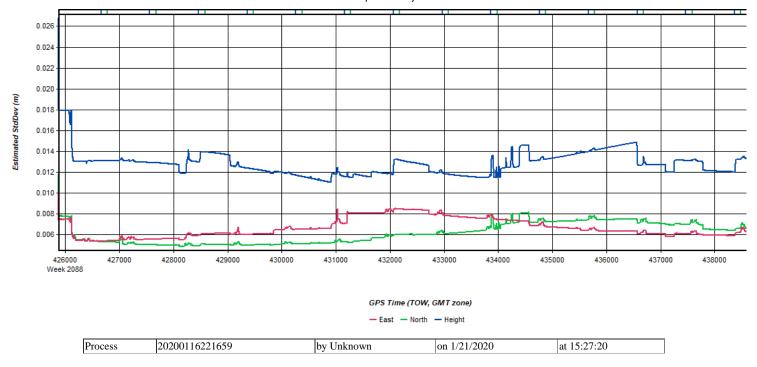


Figure 6: 20200116221659 [Smoothed TC Combined] - PDOP Plot

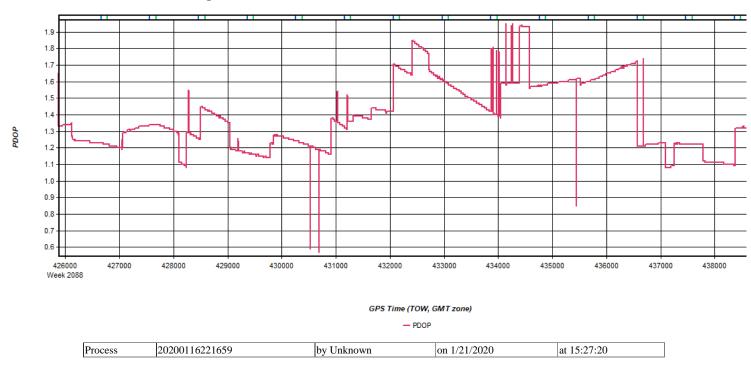


Figure 7: 20200116221659 [Smoothed TC Combined] - Number of Satellites Line Plot

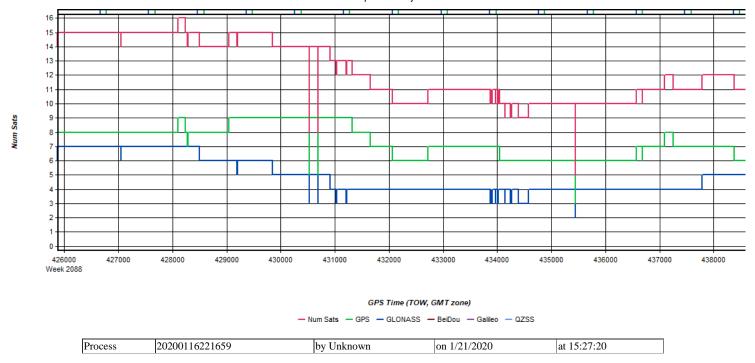


Figure 8: 20200116221659 [Smoothed TC Combined] - Status flag for IMU processing

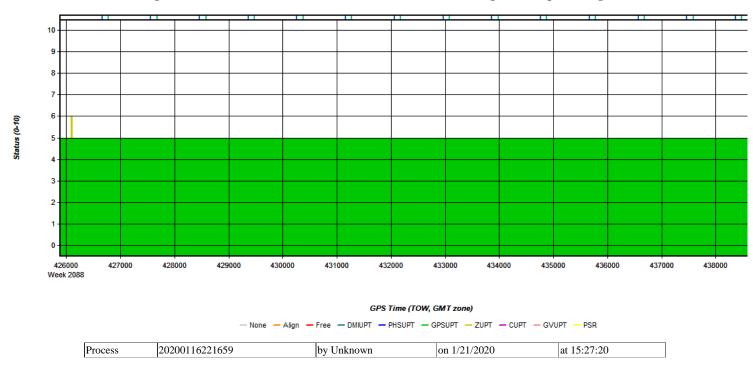


Figure 9: 20200116221659 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

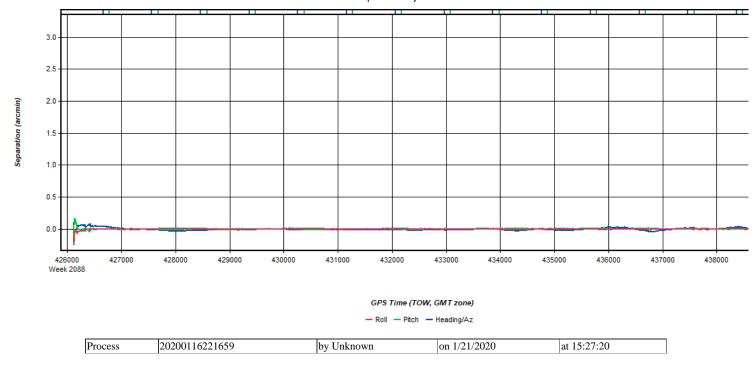


Figure 10: 20200116221659 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

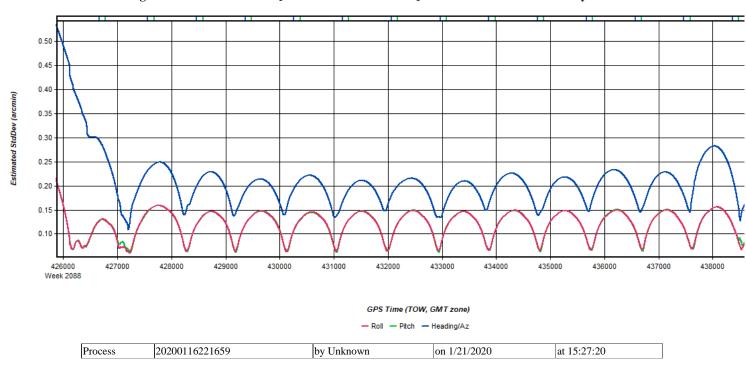


Figure 11: 20200116221659 [Smoothed TC Combined] - Azimuth Plot

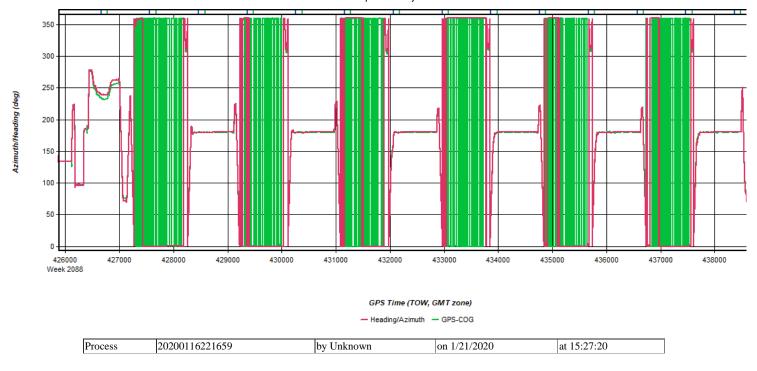


Figure 12: 20200116221659 [Smoothed TC Combined] - Roll & Pitch Plot

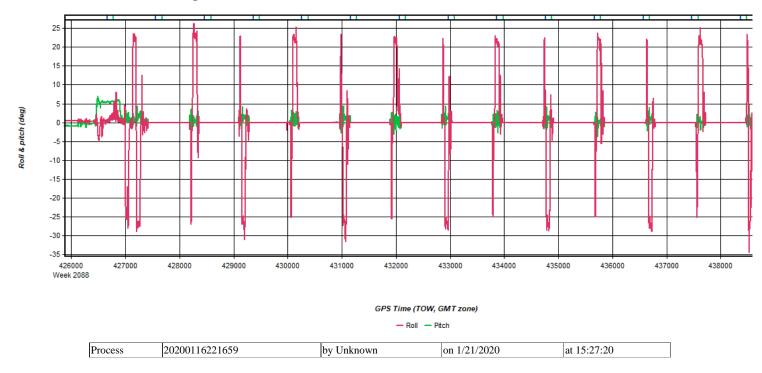


Figure 13: 20200116221659 [Smoothed TC Combined] - Velocity Profile Plot

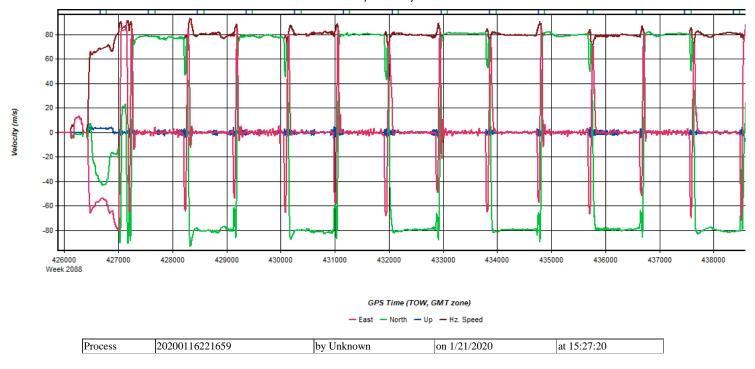


Figure 14: 20200116221659 [Smoothed TC Combined] - Body Frame Velocity Plot

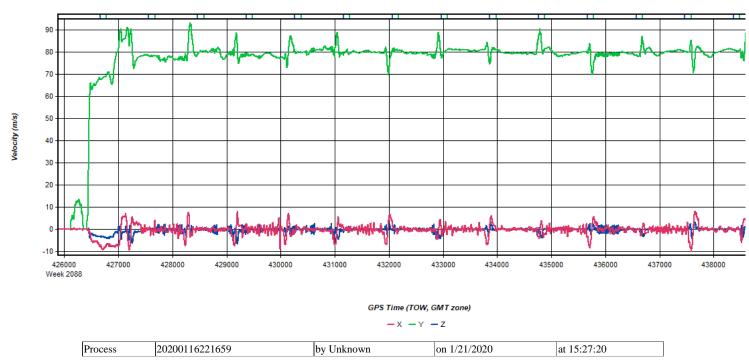


Figure 15: 20200116221659 [Smoothed TC Combined] - Height Profile Plot



Figure 16: 20200116221659 [Smoothed TC Combined] - C/A Code Residual RMS Plot

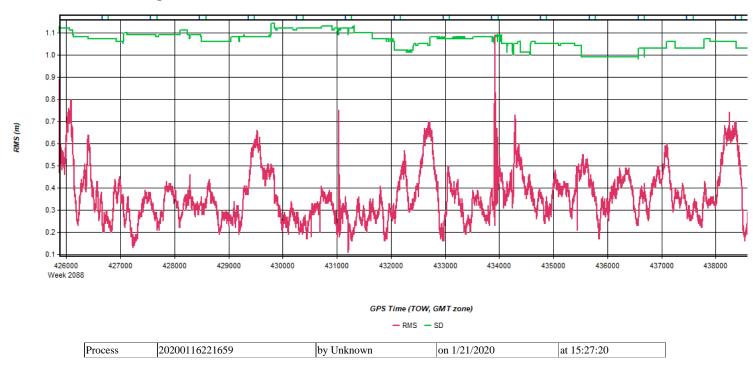


Figure 17: 20200116221659 [Smoothed TC Combined] - Carrier Residual RMS Plot

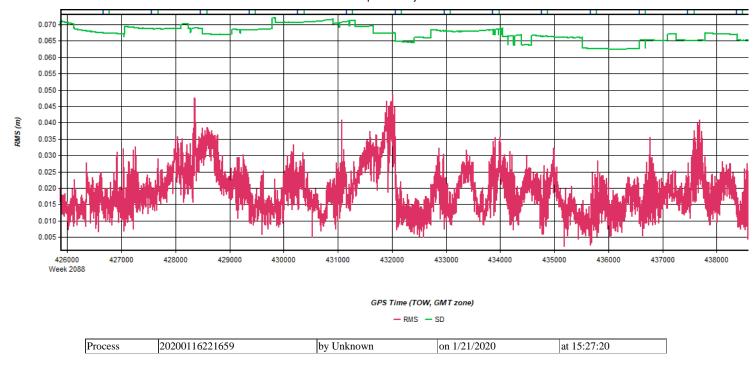


Figure 18: 20200116221659 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot



Figure 19: 20200116221659 [Smoothed TC Combined] - Accelerometer Bias Plot

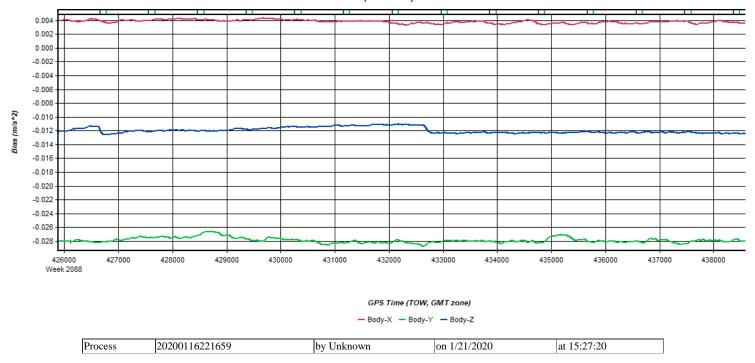
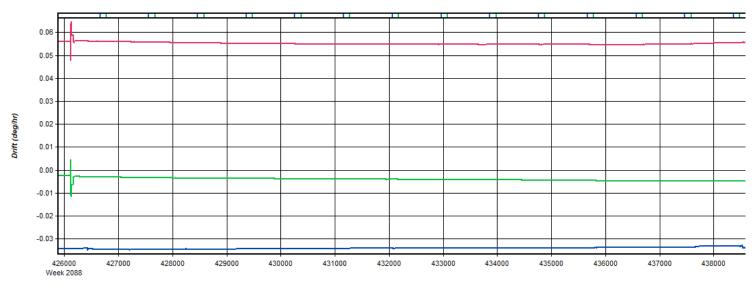


Figure 20: 20200116221659 [Smoothed TC Combined] - Gyro Drift Plot





Process	20200116221659	by Unknown	on 1/21/2020	at 15:27:20
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## **Output Results for 20200117135517**

Inertial Explorer Version 8.80.2305 01/21/2020

Figure 1: Smoothed TC Combined - Map



Figure 2: 20200117135517 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

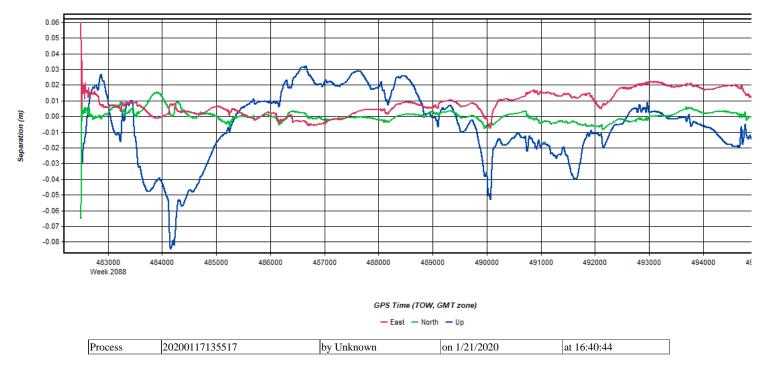


Figure 3: 20200117135517 [Smoothed TC Combined] - Float or Fixed Ambiguity

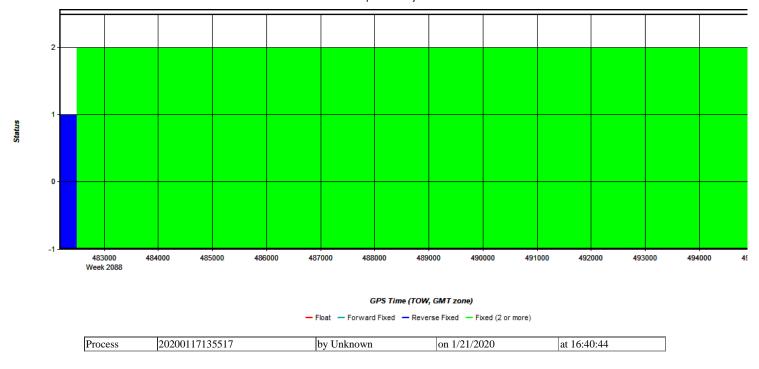


Figure 4: 20200117135517 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

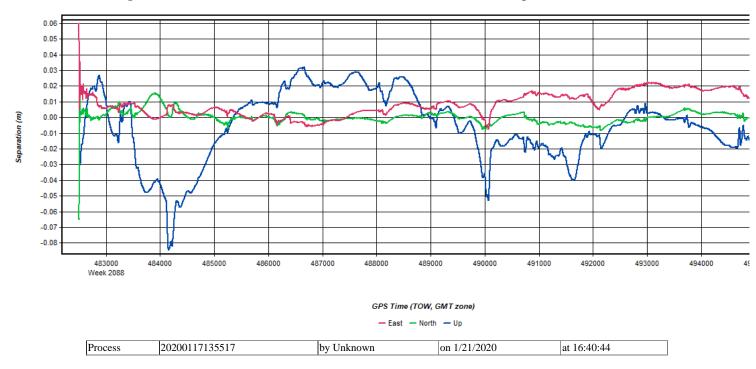


Figure 5: 20200117135517 [Smoothed TC Combined] - Estimated Position Accuracy Plot

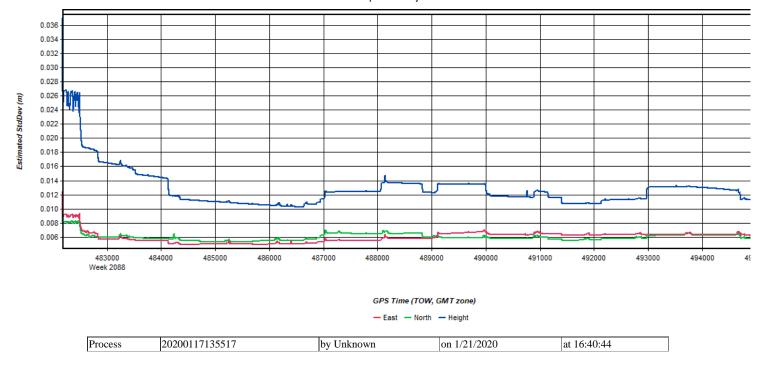


Figure 6: 20200117135517 [Smoothed TC Combined] - PDOP Plot

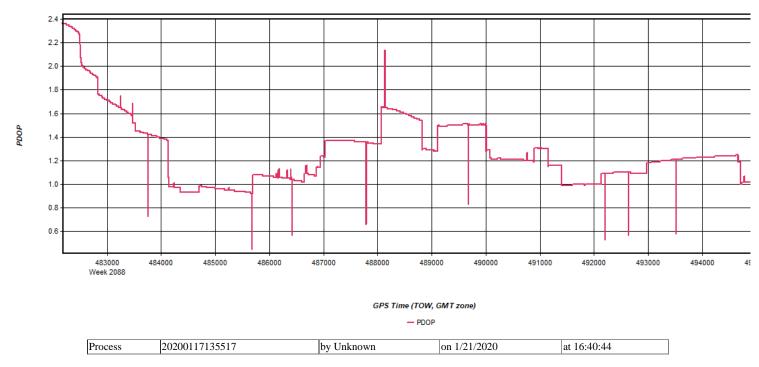


Figure 7: 20200117135517 [Smoothed TC Combined] - Number of Satellites Line Plot

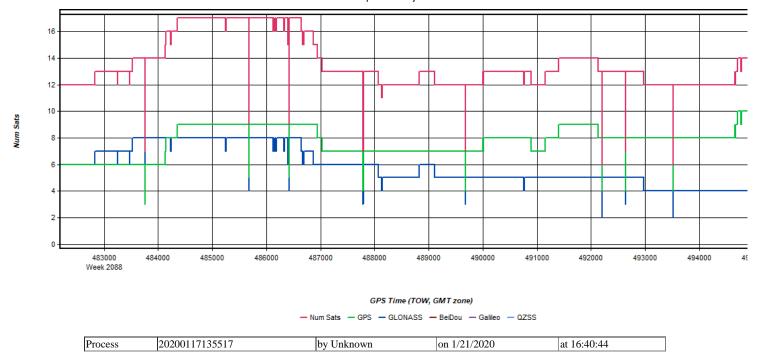


Figure 8: 20200117135517 [Smoothed TC Combined] - Status flag for IMU processing

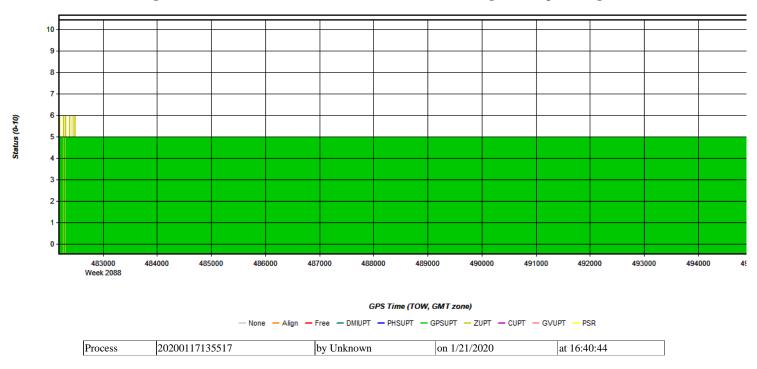


Figure 9: 20200117135517 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

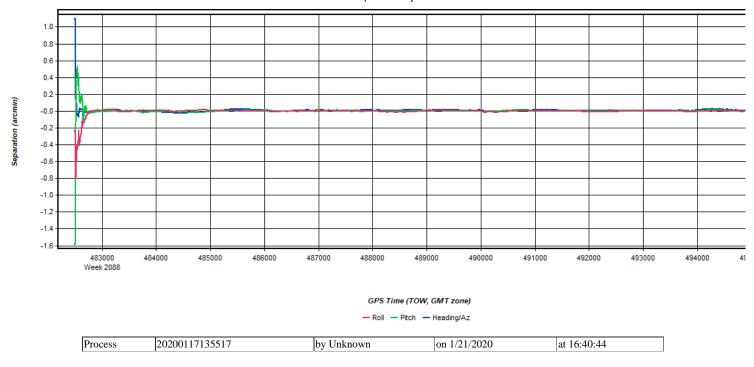


Figure 10: 20200117135517 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

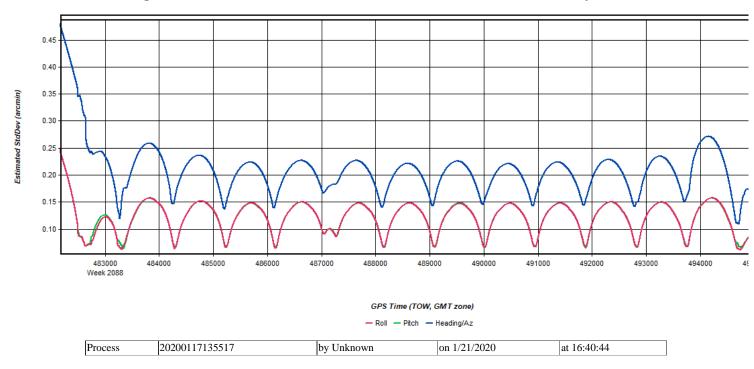


Figure 11: 20200117135517 [Smoothed TC Combined] - Azimuth Plot

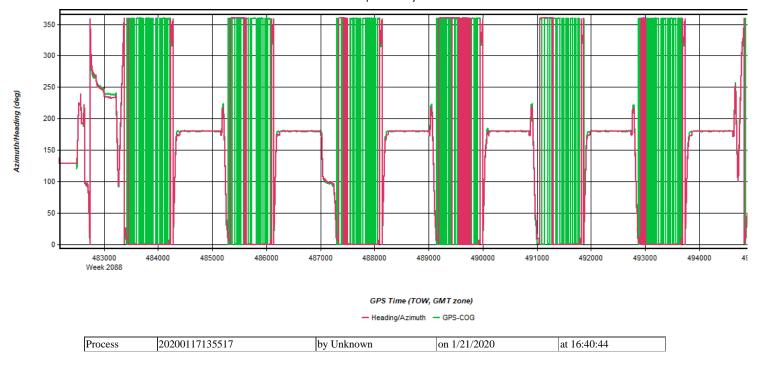


Figure 12: 20200117135517 [Smoothed TC Combined] - Roll & Pitch Plot

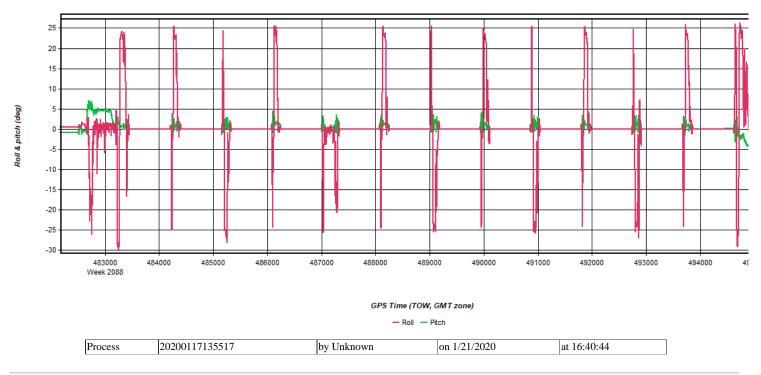


Figure 13: 20200117135517 [Smoothed TC Combined] - Velocity Profile Plot

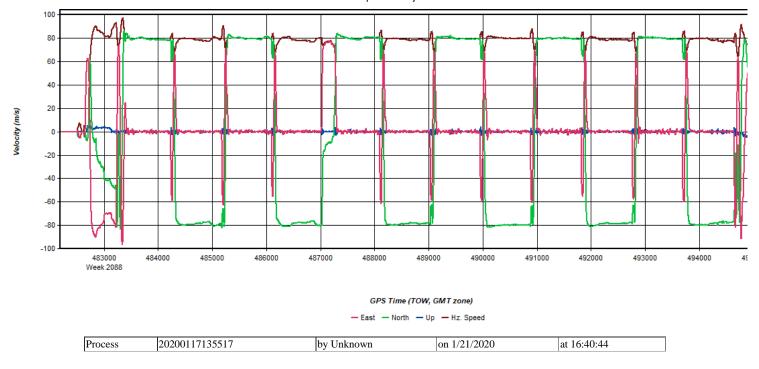


Figure 14: 20200117135517 [Smoothed TC Combined] - Body Frame Velocity Plot

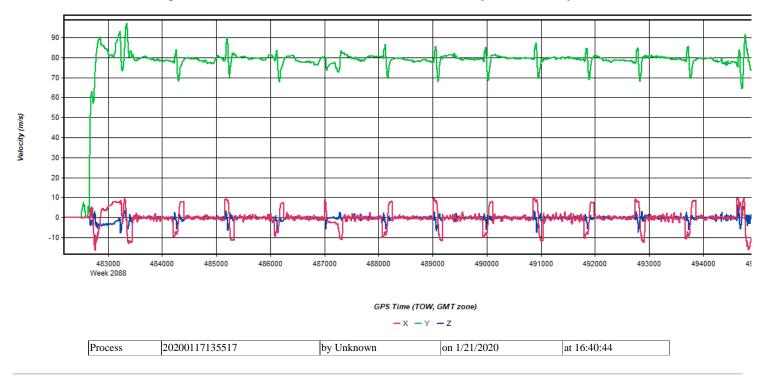


Figure 15: 20200117135517 [Smoothed TC Combined] - Height Profile Plot

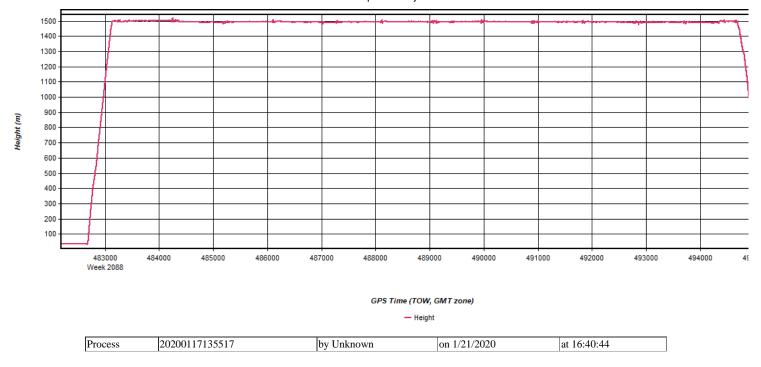
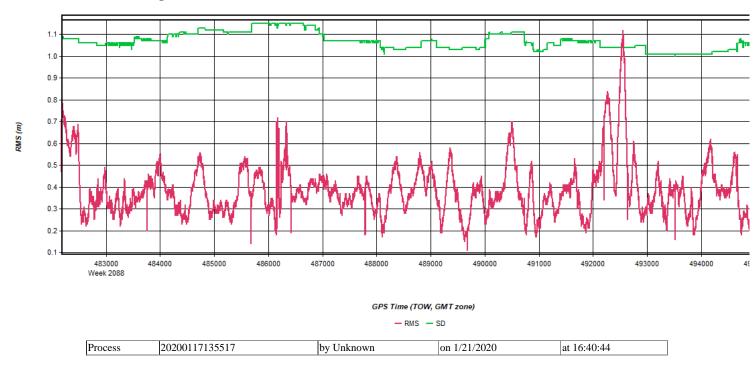


Figure 16: 20200117135517 [Smoothed TC Combined] - C/A Code Residual RMS Plot



Figure~17:~20200117135517~[Smoothed~TC~Combined]~- Carrier~Residual~RMS~Plot

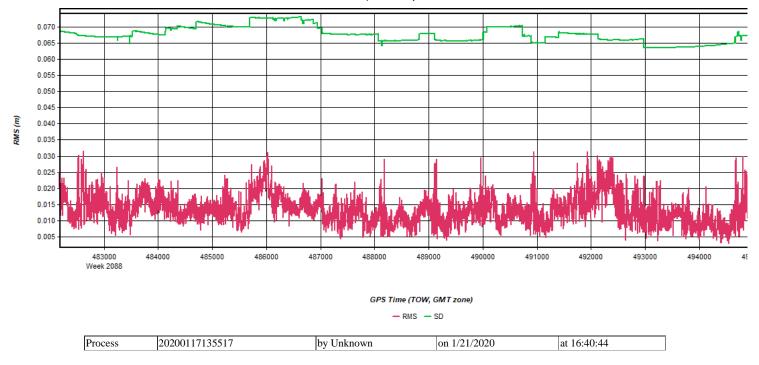


Figure 18: 20200117135517 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

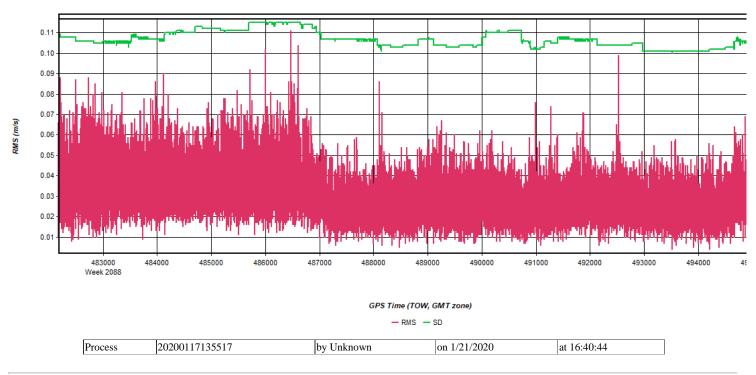


Figure 19: 20200117135517 [Smoothed TC Combined] - Accelerometer Bias Plot

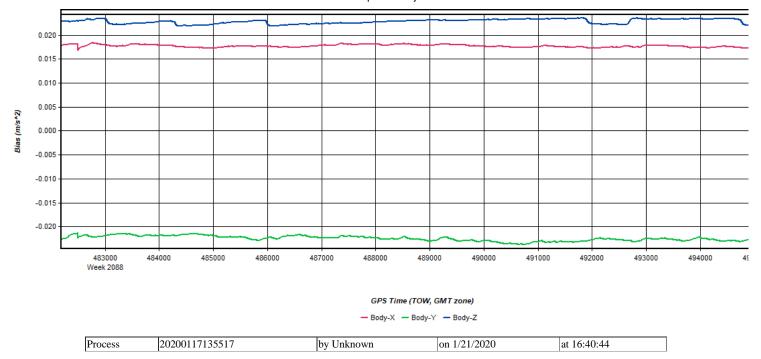
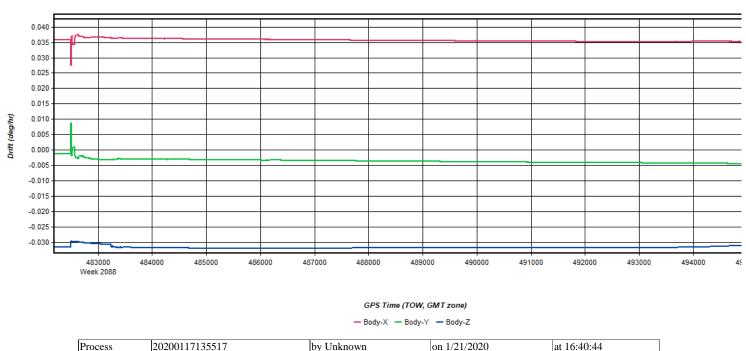


Figure 20: 20200117135517 [Smoothed TC Combined] - Gyro Drift Plot



20200117135517 at 16:40:44 Process by Unknown on 1/21/2020

## **Output Results for 20200117190435**

 $\begin{array}{c} \text{Inertial Explorer Version 8.80.2305} \\ 01/21/2020 \end{array}$ 

Figure 1: Smoothed TC Combined - Map

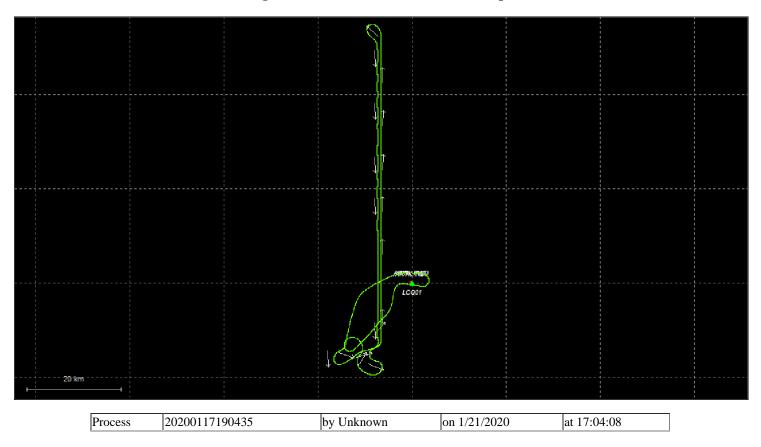


Figure 2: 20200117190435 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

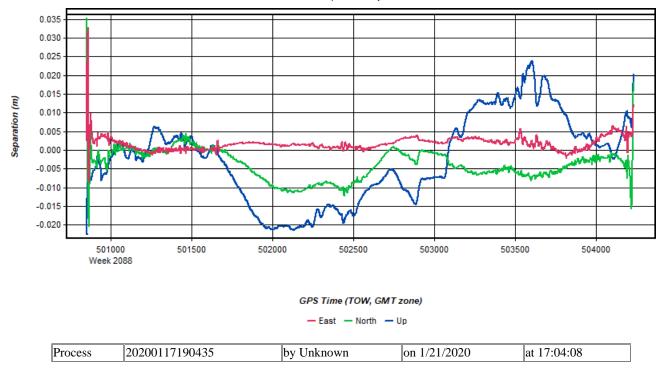


Figure 3: 20200117190435 [Smoothed TC Combined] - Float or Fixed Ambiguity

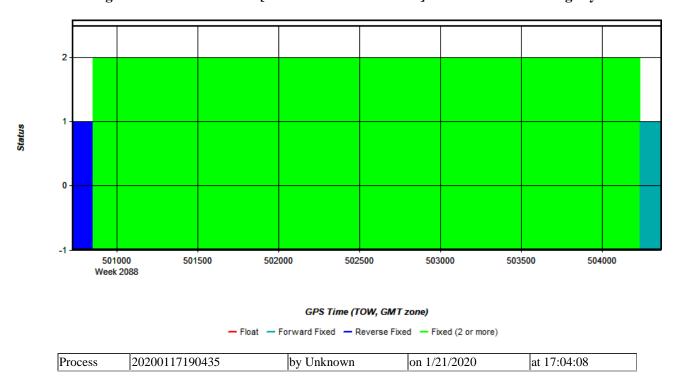


Figure 4: 20200117190435 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

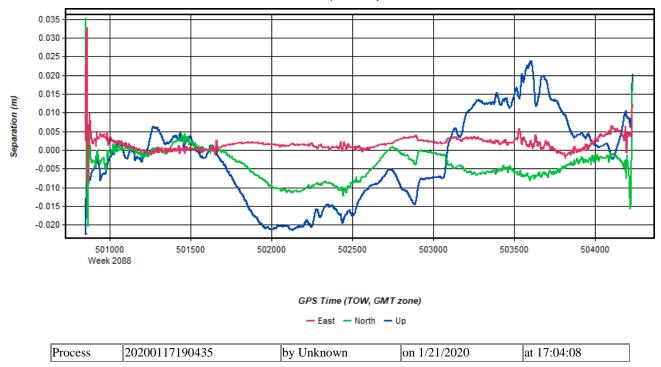


Figure 5: 20200117190435 [Smoothed TC Combined] - Estimated Position Accuracy Plot



Figure 6: 20200117190435 [Smoothed TC Combined] - PDOP Plot

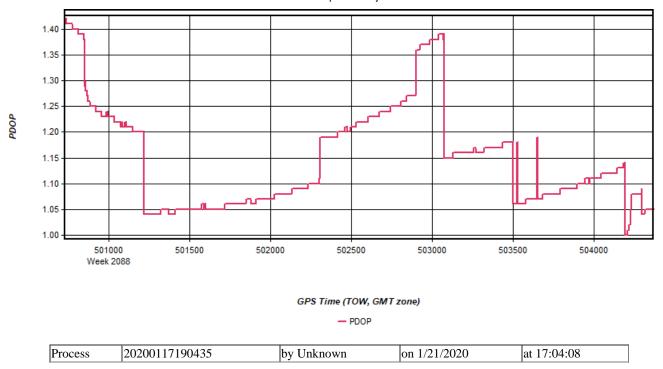


Figure 7: 20200117190435 [Smoothed TC Combined] - Number of Satellites Line Plot

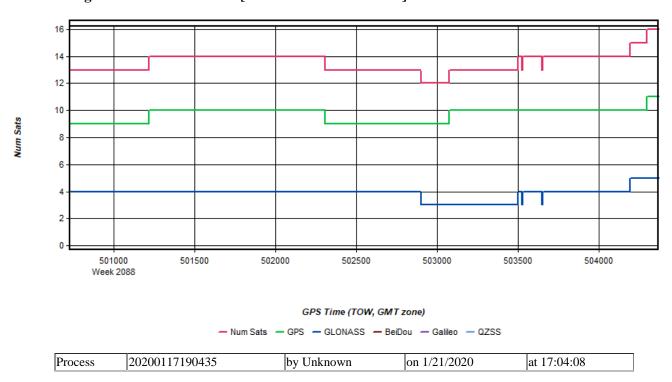


Figure 8: 20200117190435 [Smoothed TC Combined] - Status flag for IMU processing

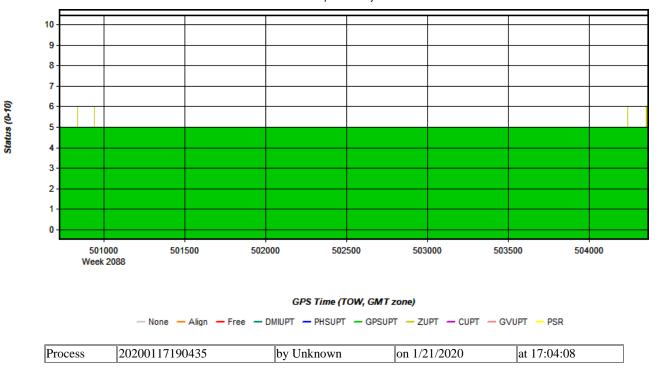


Figure 9: 20200117190435 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

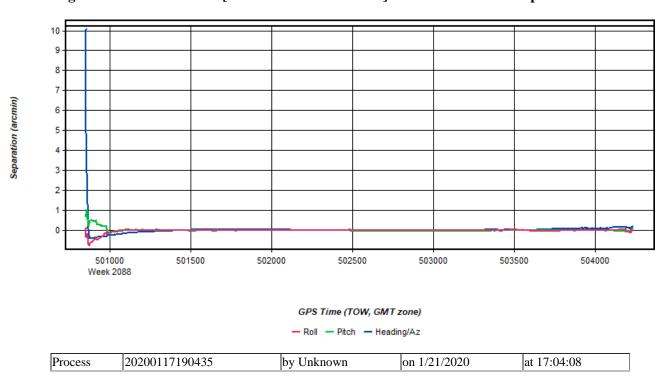


Figure 10: 20200117190435 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

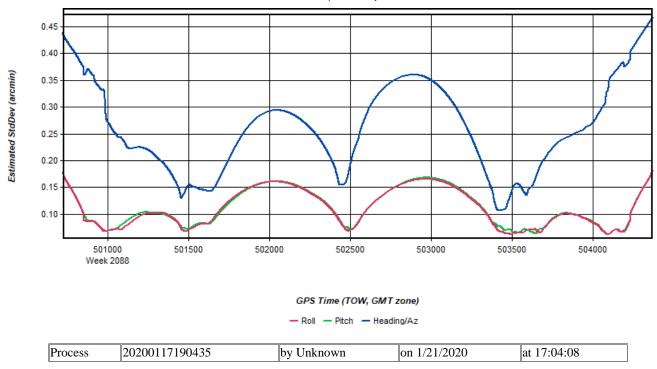


Figure 11: 20200117190435 [Smoothed TC Combined] - Azimuth Plot

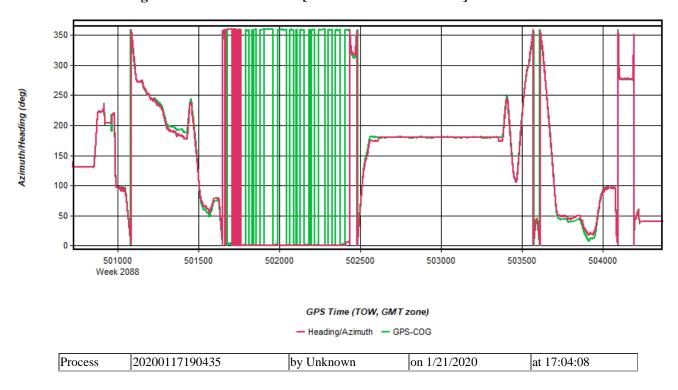


Figure 12: 20200117190435 [Smoothed TC Combined] - Roll & Pitch Plot



Figure 13: 20200117190435 [Smoothed TC Combined] - Velocity Profile Plot

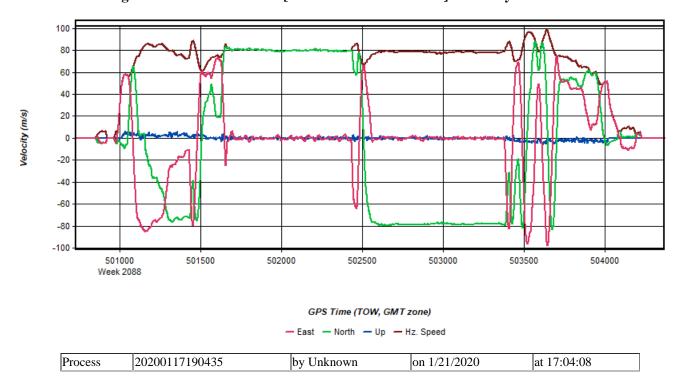


Figure 14: 20200117190435 [Smoothed TC Combined] - Body Frame Velocity Plot



Figure 15: 20200117190435 [Smoothed TC Combined] - Height Profile Plot



Figure 16: 20200117190435 [Smoothed TC Combined] - C/A Code Residual RMS Plot

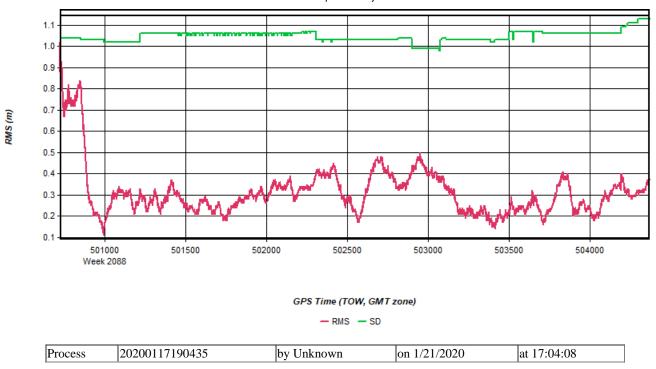


Figure 17: 20200117190435 [Smoothed TC Combined] - Carrier Residual RMS Plot

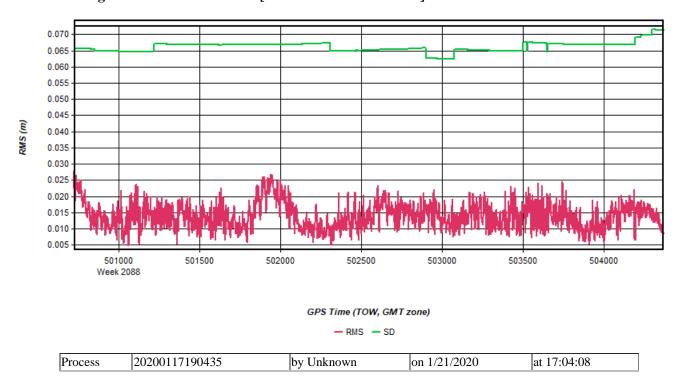


Figure 18: 20200117190435 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

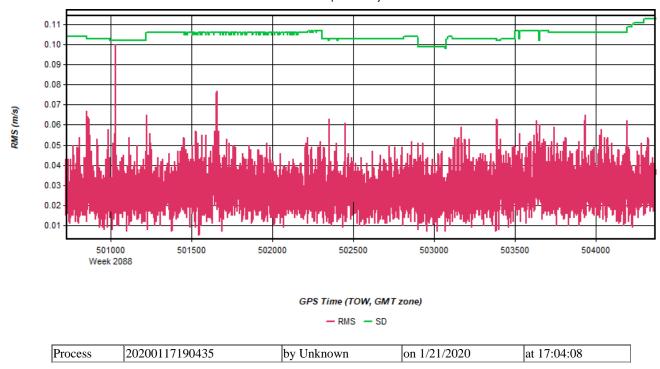


Figure 19: 20200117190435 [Smoothed TC Combined] - Accelerometer Bias Plot

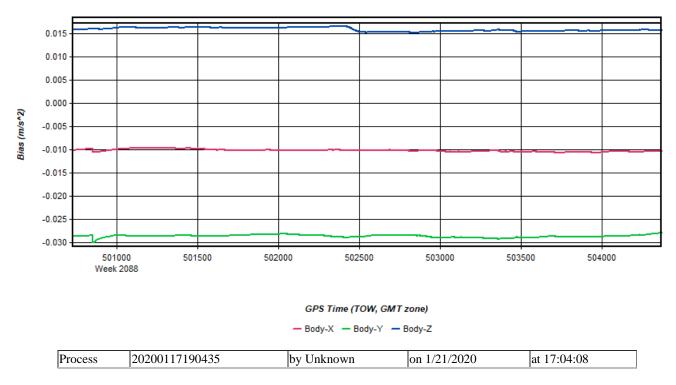
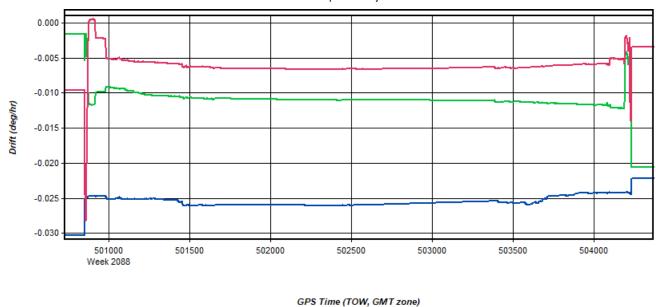


Figure 20: 20200117190435 [Smoothed TC Combined] - Gyro Drift Plot



─ Body-X ─ Body-Y ─ Body-Z

on 1/21/2020

at 17:04:08

by Unknown

20200117190435

Process



## **Output Results for 20200118141403**

 $\begin{array}{c} \text{Inertial Explorer Version 8.80.2305} \\ 01/21/2020 \end{array}$ 

Figure 1: Smoothed TC Combined - Map

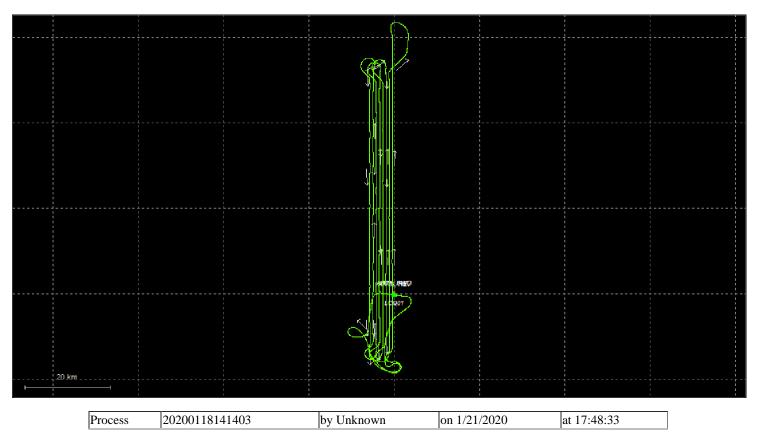


Figure 2: 20200118141403 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

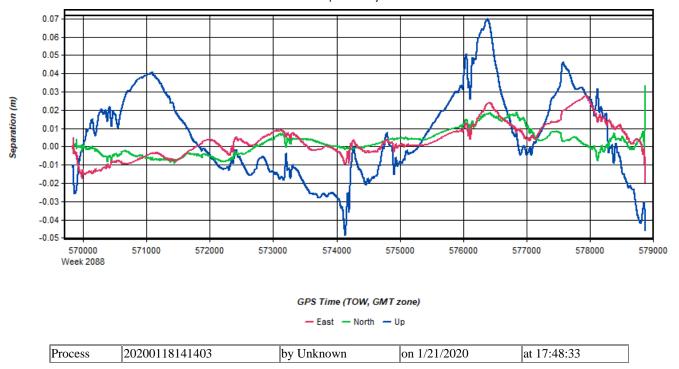


Figure 3: 20200118141403 [Smoothed TC Combined] - Float or Fixed Ambiguity

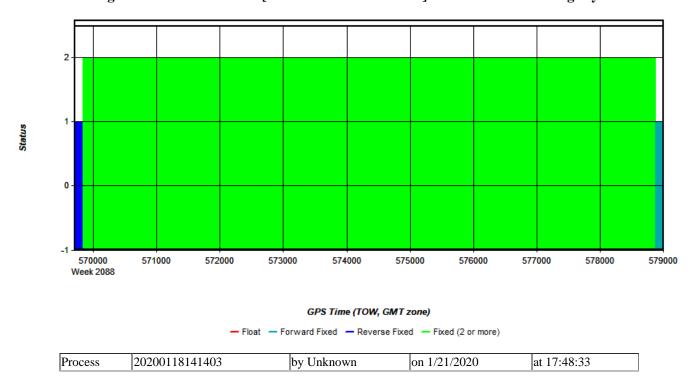


Figure 4: 20200118141403 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

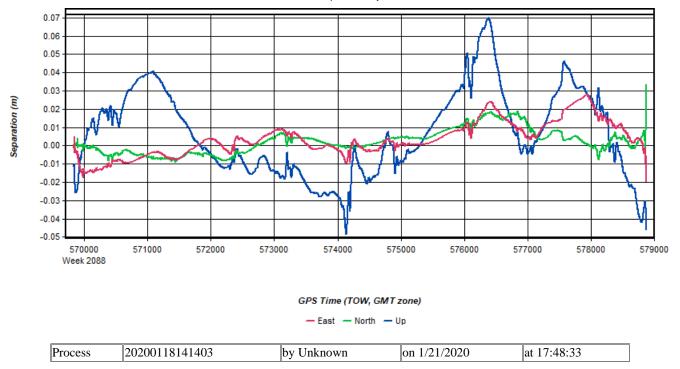


Figure 5: 20200118141403 [Smoothed TC Combined] - Estimated Position Accuracy Plot

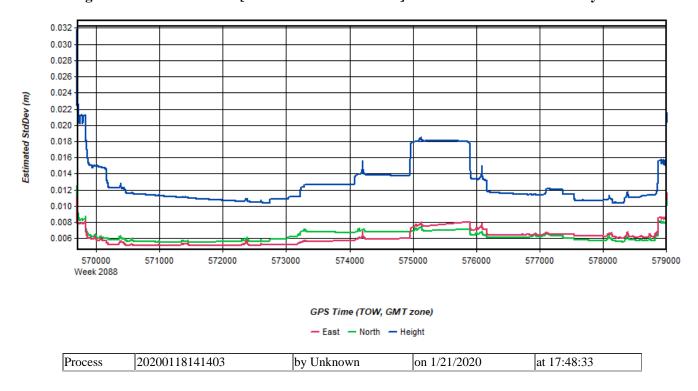


Figure 6: 20200118141403 [Smoothed TC Combined] - PDOP Plot

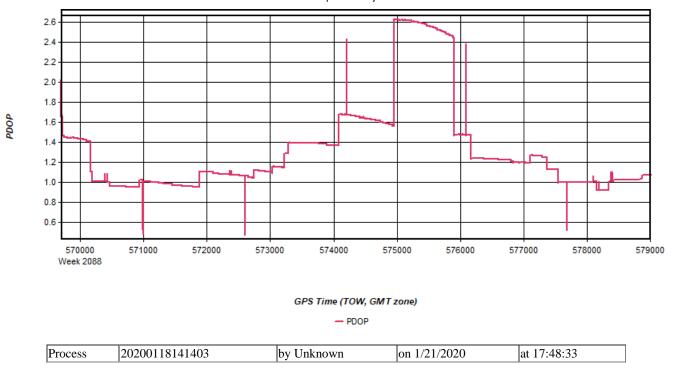


Figure 7: 20200118141403 [Smoothed TC Combined] - Number of Satellites Line Plot

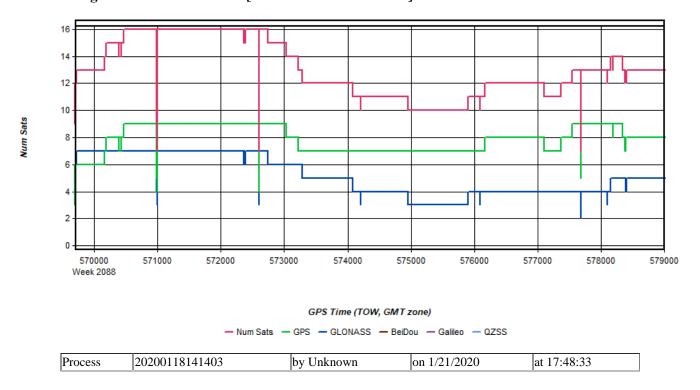


Figure 8: 20200118141403 [Smoothed TC Combined] - Status flag for IMU processing

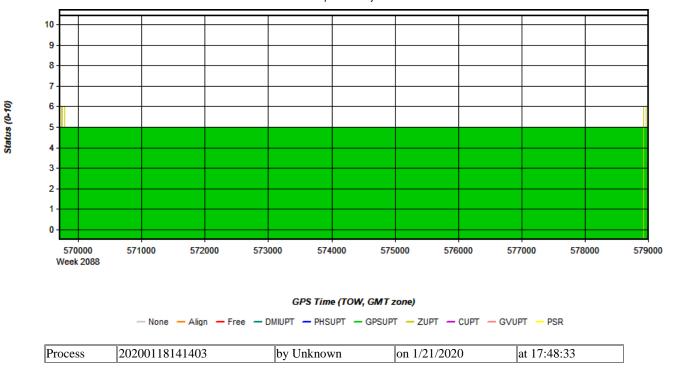


Figure 9: 20200118141403 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

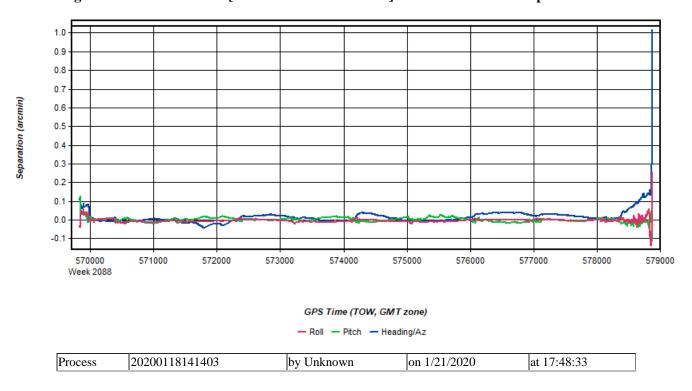


Figure 10: 20200118141403 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

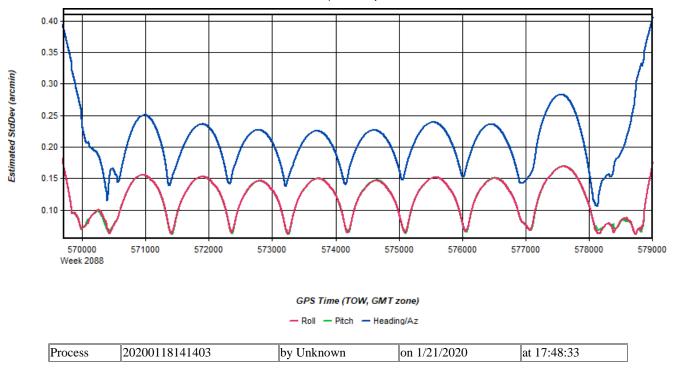


Figure 11: 20200118141403 [Smoothed TC Combined] - Azimuth Plot

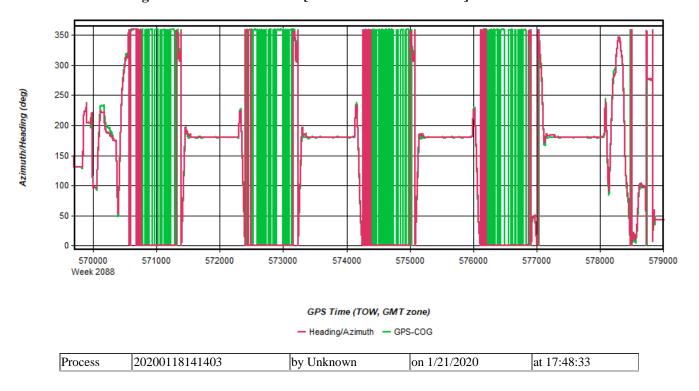


Figure 12: 20200118141403 [Smoothed TC Combined] - Roll & Pitch Plot

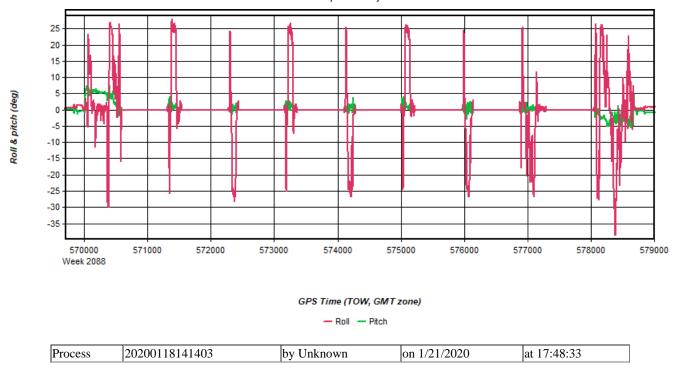


Figure 13: 20200118141403 [Smoothed TC Combined] - Velocity Profile Plot

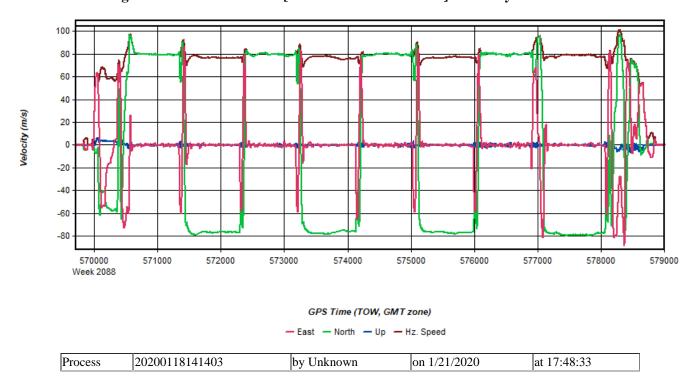


Figure 14: 20200118141403 [Smoothed TC Combined] - Body Frame Velocity Plot

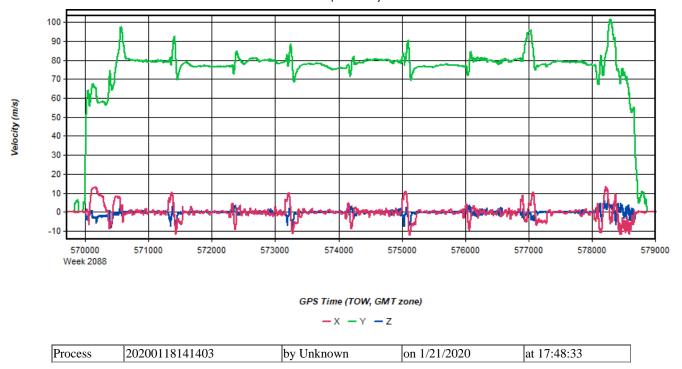


Figure 15: 20200118141403 [Smoothed TC Combined] - Height Profile Plot



Figure 16: 20200118141403 [Smoothed TC Combined] - C/A Code Residual RMS Plot

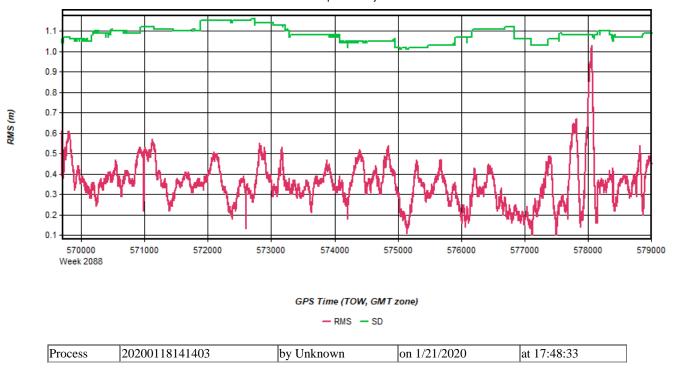


Figure 17: 20200118141403 [Smoothed TC Combined] - Carrier Residual RMS Plot

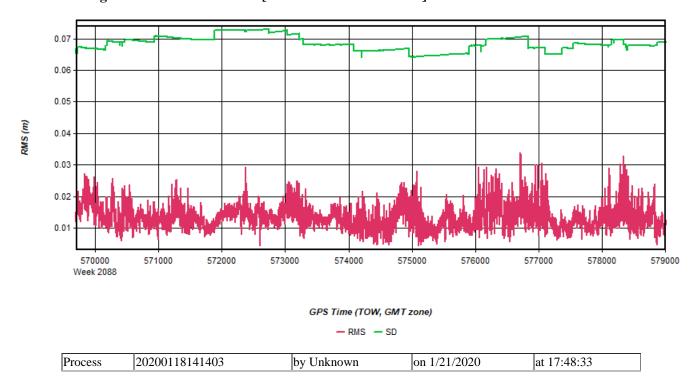


Figure 18: 20200118141403 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

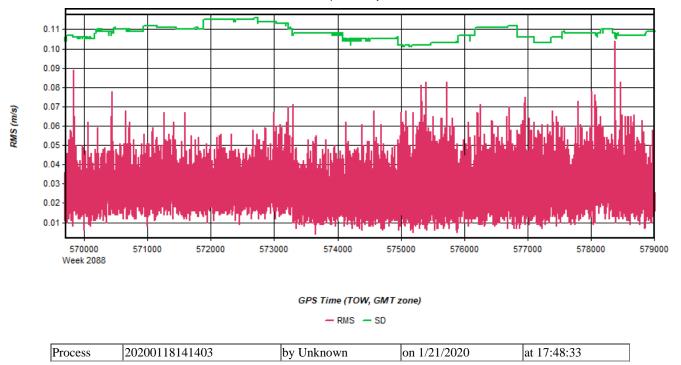


Figure 19: 20200118141403 [Smoothed TC Combined] - Accelerometer Bias Plot

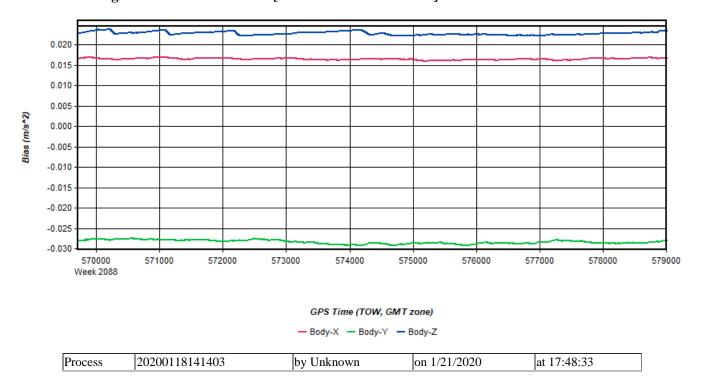
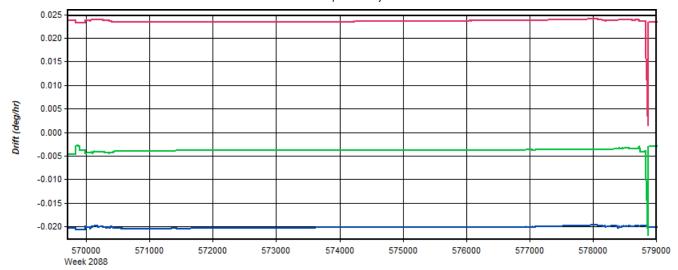


Figure 20: 20200118141403 [Smoothed TC Combined] - Gyro Drift Plot



## GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

Process

20200120200025

# **Output Results for 20200120200025**

Inertial Explorer Version 8.80.2305 01/24/2020

20 km

Figure 1: Smoothed TC Combined - Map

Figure 2: 20200120200025 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 1/24/2020

at 22:17:17

by Unknown

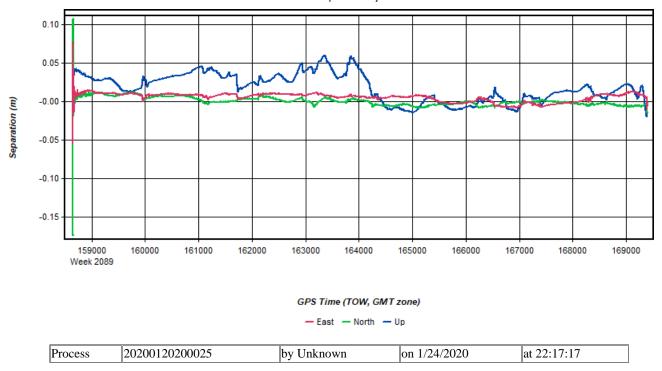


Figure 3: 20200120200025 [Smoothed TC Combined] - Float or Fixed Ambiguity

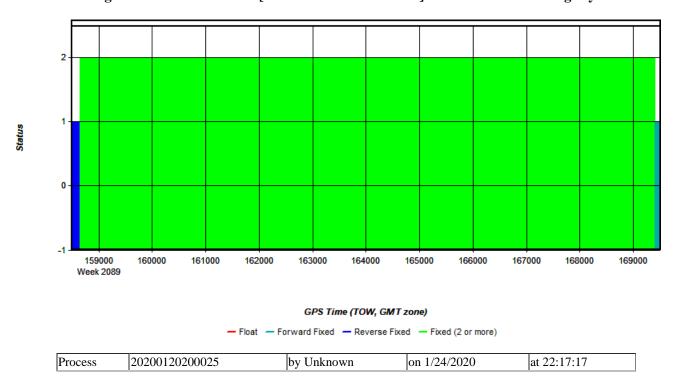


Figure 4: 20200120200025 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

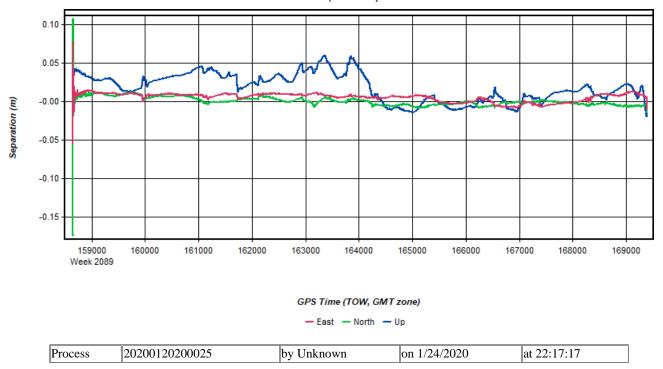


Figure 5: 20200120200025 [Smoothed TC Combined] - Estimated Position Accuracy Plot



Figure 6: 20200120200025 [Smoothed TC Combined] - PDOP Plot



Figure 7: 20200120200025 [Smoothed TC Combined] - Number of Satellites Line Plot

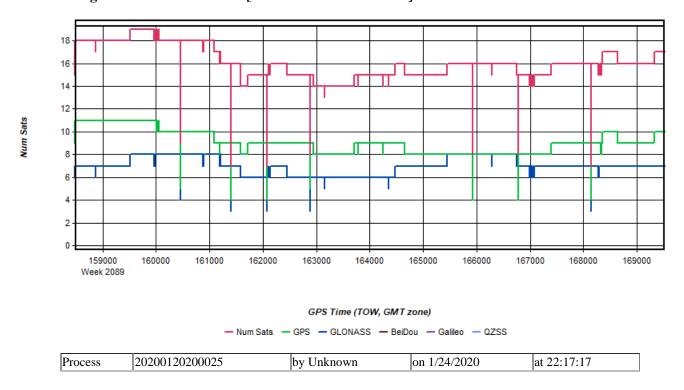


Figure 8: 20200120200025 [Smoothed TC Combined] - Status flag for IMU processing

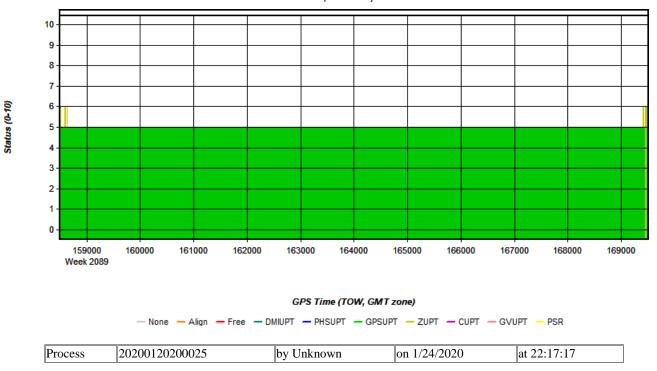


Figure 9: 20200120200025 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

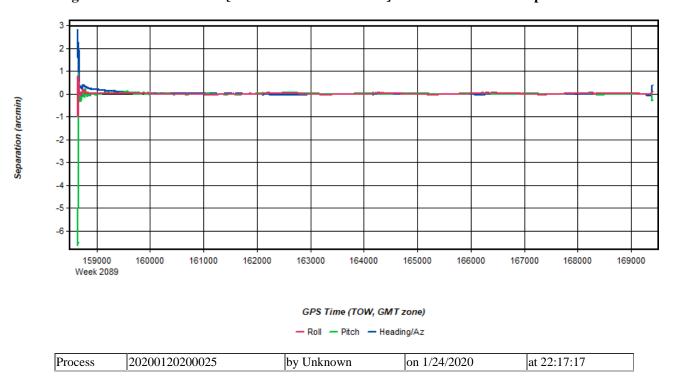


Figure 10: 20200120200025 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

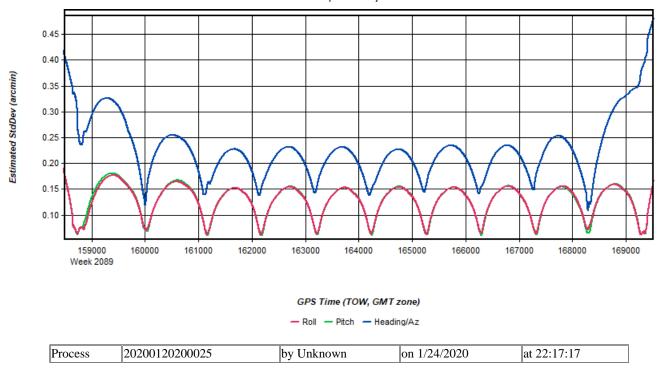


Figure 11: 20200120200025 [Smoothed TC Combined] - Azimuth Plot

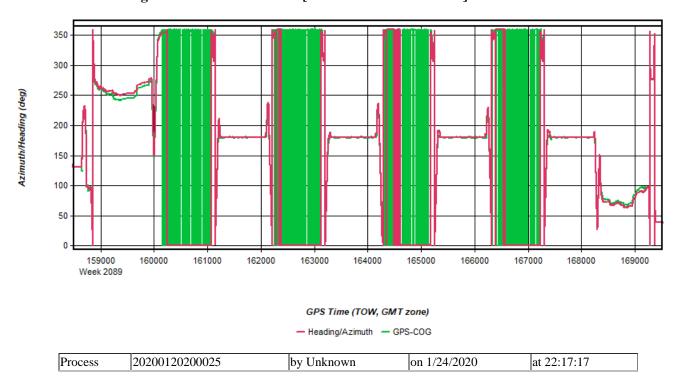


Figure 12: 20200120200025 [Smoothed TC Combined] - Roll & Pitch Plot

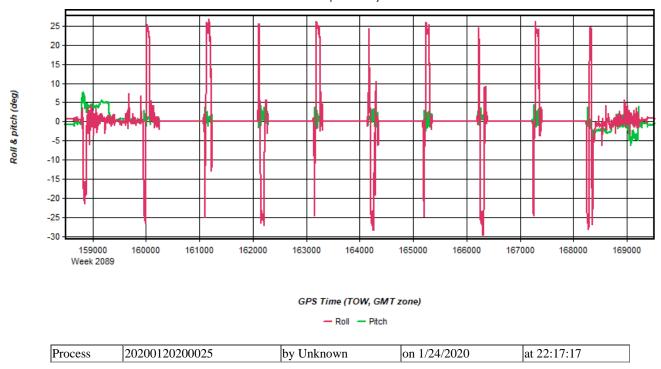


Figure 13: 20200120200025 [Smoothed TC Combined] - Velocity Profile Plot

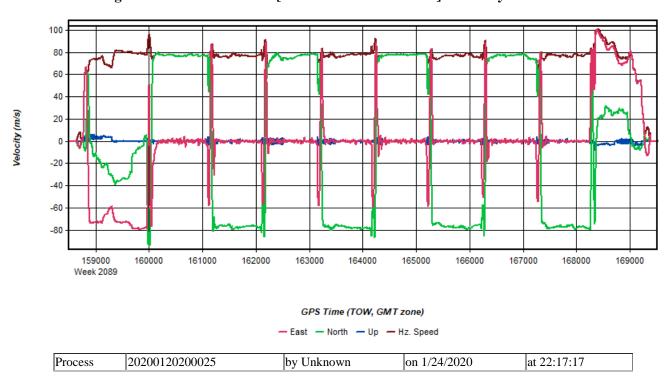


Figure 14: 20200120200025 [Smoothed TC Combined] - Body Frame Velocity Plot

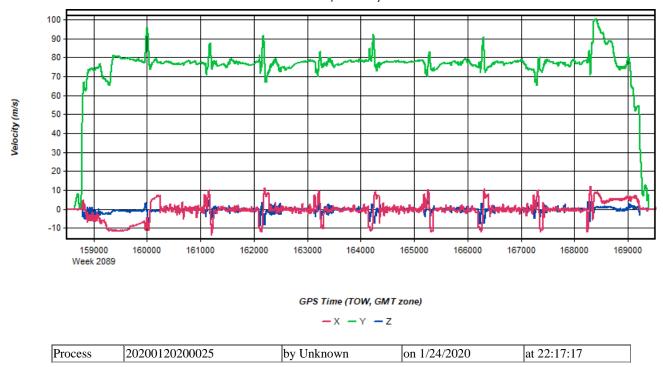


Figure 15: 20200120200025 [Smoothed TC Combined] - Height Profile Plot

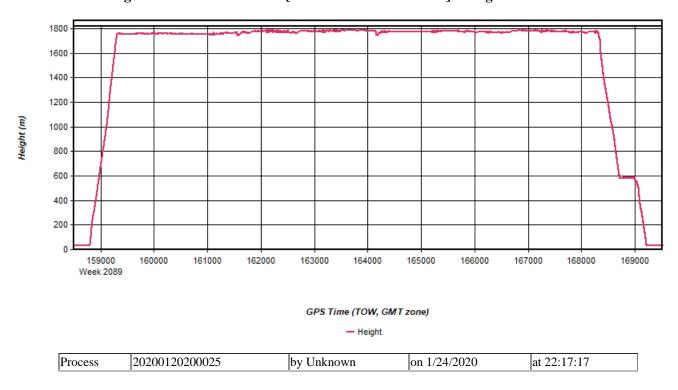


Figure 16: 20200120200025 [Smoothed TC Combined] - C/A Code Residual RMS Plot

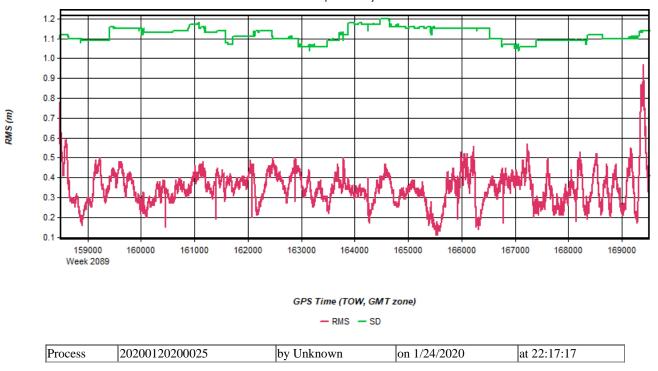


Figure 17: 20200120200025 [Smoothed TC Combined] - Carrier Residual RMS Plot

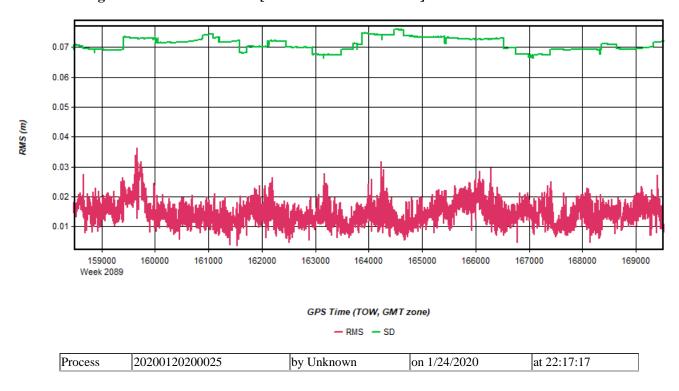


Figure 18: 20200120200025 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

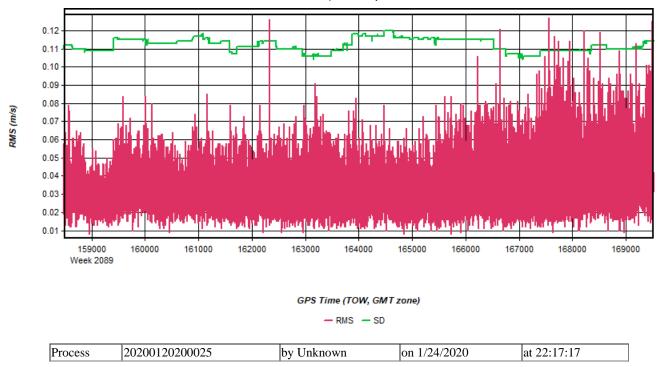


Figure 19: 20200120200025 [Smoothed TC Combined] - Accelerometer Bias Plot

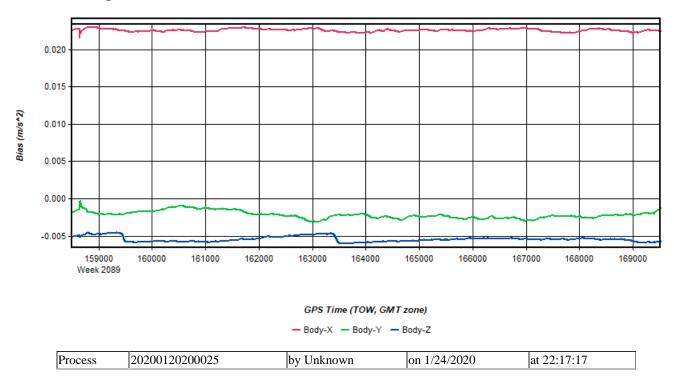
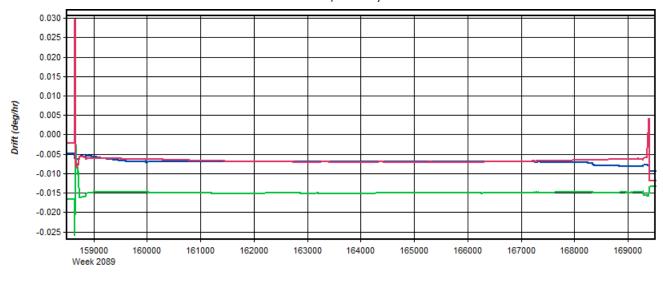


Figure 20: 20200120200025 [Smoothed TC Combined] - Gyro Drift Plot



## GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

|--|

Process

20200120232652

# **Output Results for 20200120232652**

 $\begin{array}{c} \text{Inertial Explorer Version 8.80.2305} \\ 01/25/2020 \end{array}$ 

Figure 1: Smoothed TC Combined - Map

Figure 2: 20200120232652 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 1/24/2020

at 23:08:06

by Unknown

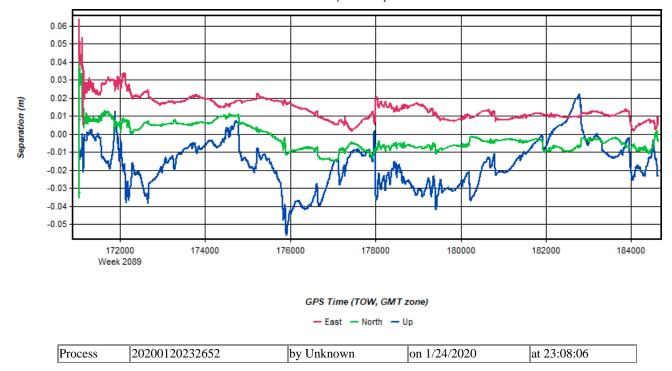


Figure 3: 20200120232652 [Smoothed TC Combined] - Float or Fixed Ambiguity

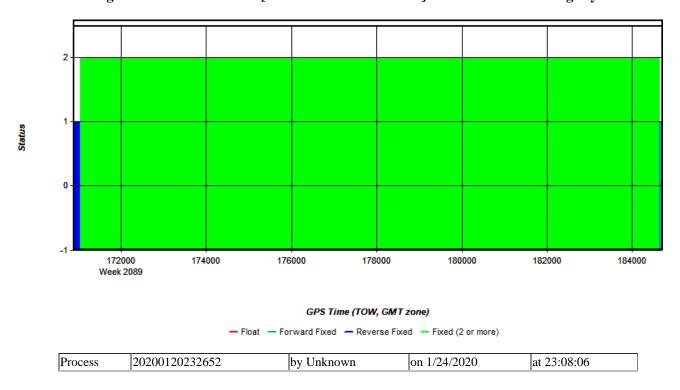


Figure 4: 20200120232652 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

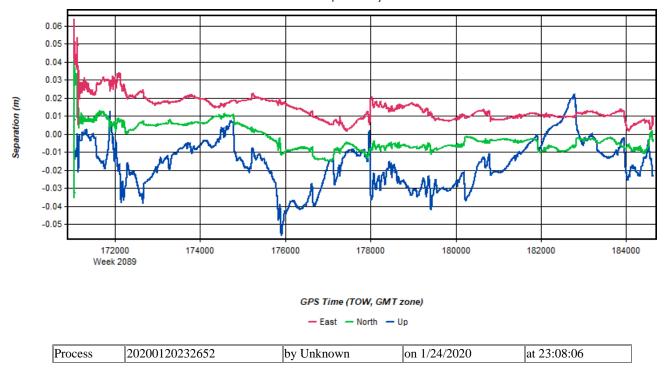


Figure 5: 20200120232652 [Smoothed TC Combined] - Estimated Position Accuracy Plot

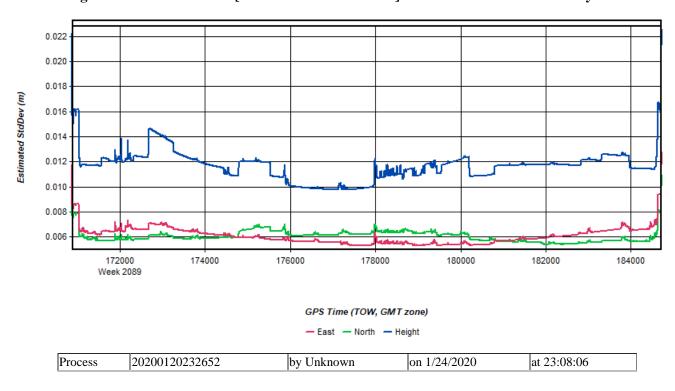


Figure 6: 20200120232652 [Smoothed TC Combined] - PDOP Plot

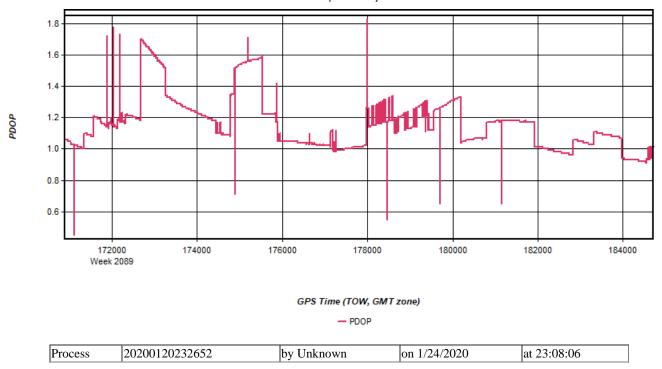


Figure 7: 20200120232652 [Smoothed TC Combined] - Number of Satellites Line Plot

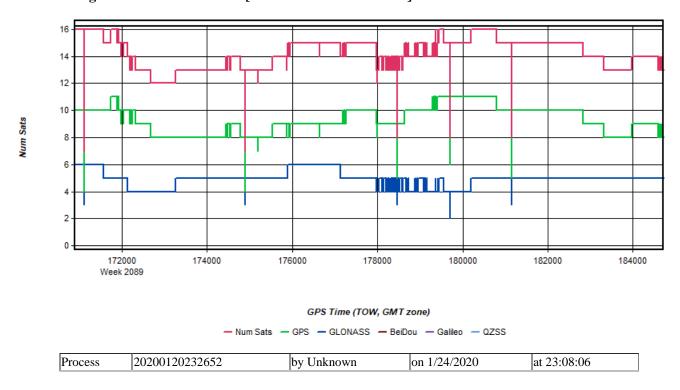


Figure 8: 20200120232652 [Smoothed TC Combined] - Status flag for IMU processing

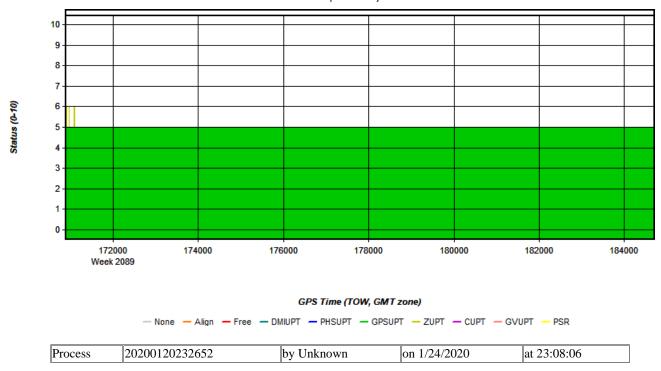


Figure 9: 20200120232652 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot



Figure 10: 20200120232652 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

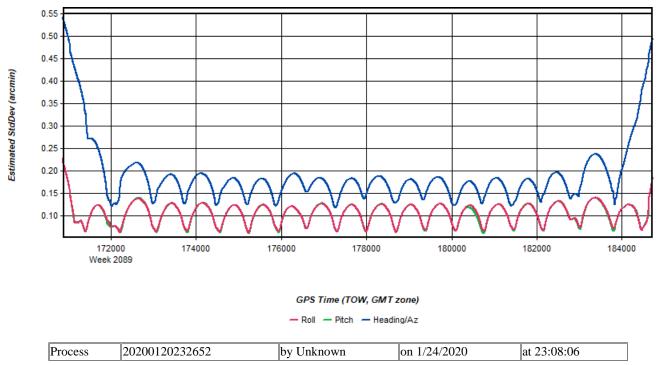


Figure 11: 20200120232652 [Smoothed TC Combined] - Azimuth Plot

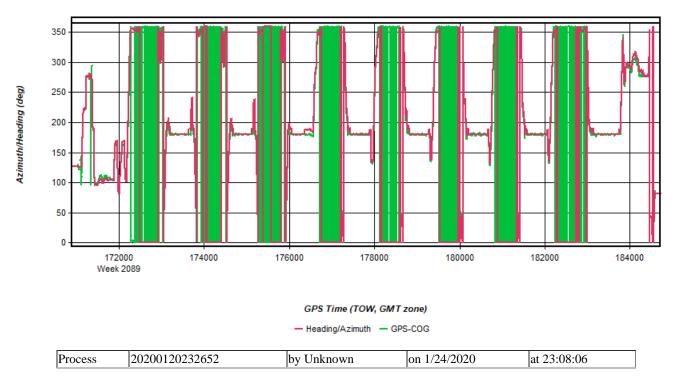


Figure 12: 20200120232652 [Smoothed TC Combined] - Roll & Pitch Plot

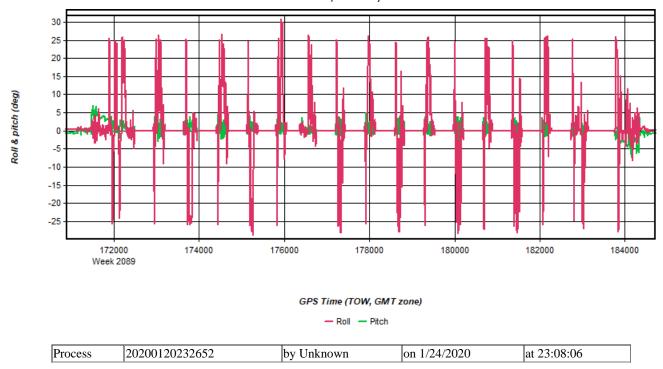


Figure 13: 20200120232652 [Smoothed TC Combined] - Velocity Profile Plot

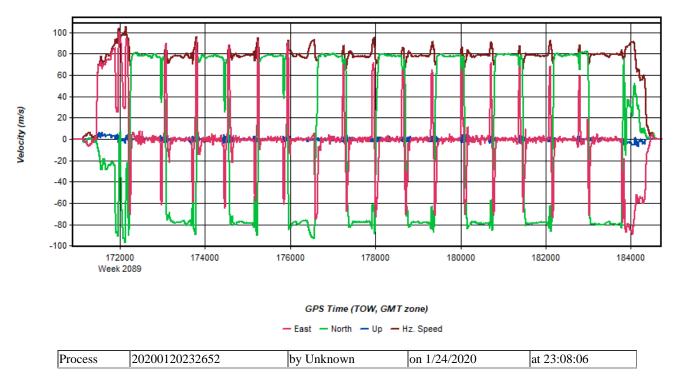


Figure 14: 20200120232652 [Smoothed TC Combined] - Body Frame Velocity Plot

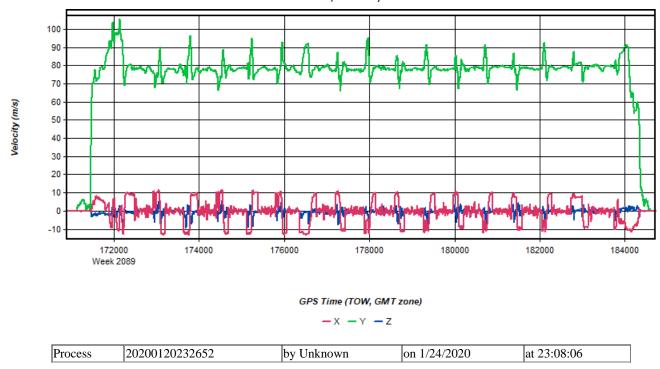


Figure 15: 20200120232652 [Smoothed TC Combined] - Height Profile Plot

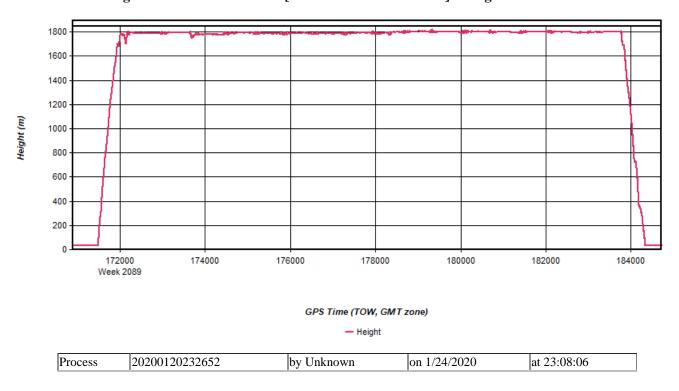


Figure 16: 20200120232652 [Smoothed TC Combined] - C/A Code Residual RMS Plot

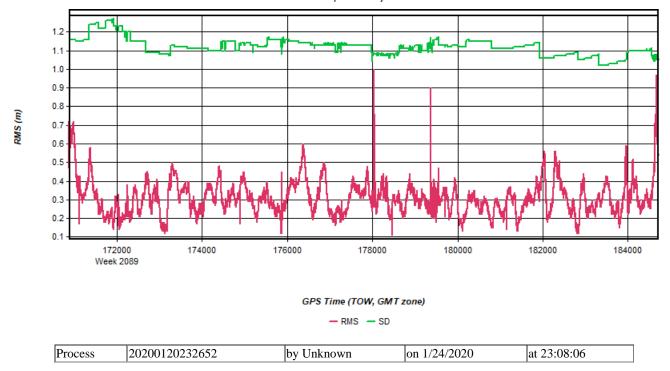


Figure 17: 20200120232652 [Smoothed TC Combined] - Carrier Residual RMS Plot

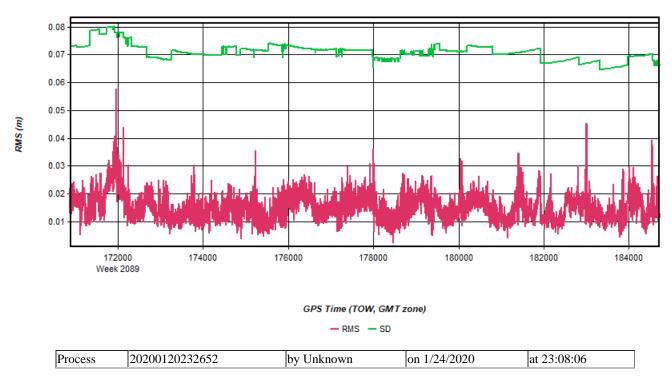


Figure 18: 20200120232652 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

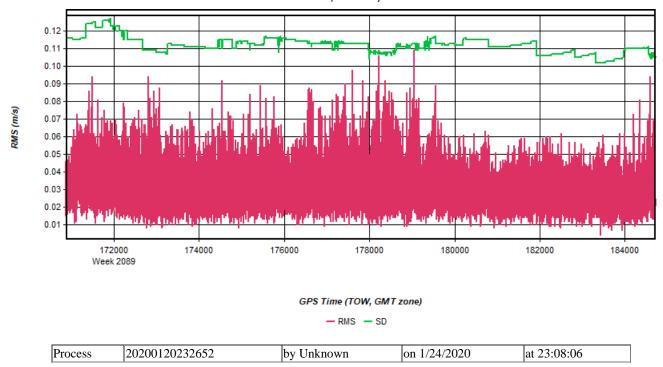


Figure 19: 20200120232652 [Smoothed TC Combined] - Accelerometer Bias Plot

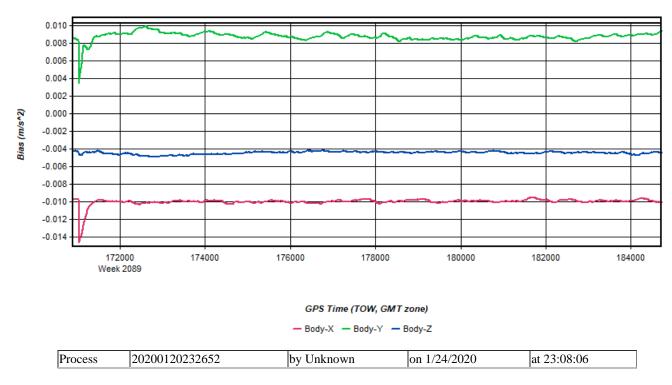
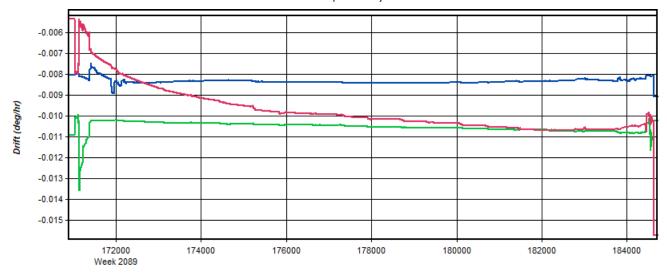


Figure 20: 20200120232652 [Smoothed TC Combined] - Gyro Drift Plot



## GPS Time (TOW, GMT zone)

─ Body-X ─ Body-Y ─ Body-Z

rocess 20200120232652	by Unknown	on 1/24/2020	at 23:08:06	
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# **Output Results for 20200121141705**

 $\begin{array}{c} \text{Inertial Explorer Version 8.80.2305} \\ 01/25/2020 \end{array}$ 

ARTY SET LOOM

Figure 1: Smoothed TC Combined - Map

Figure 2: 20200121141705 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 1/25/2020

at 12:50:47

by Unknown

20200121141705

Process

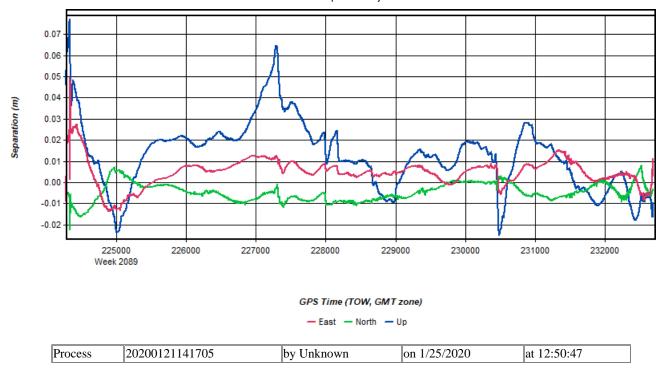


Figure 3: 20200121141705 [Smoothed TC Combined] - Float or Fixed Ambiguity

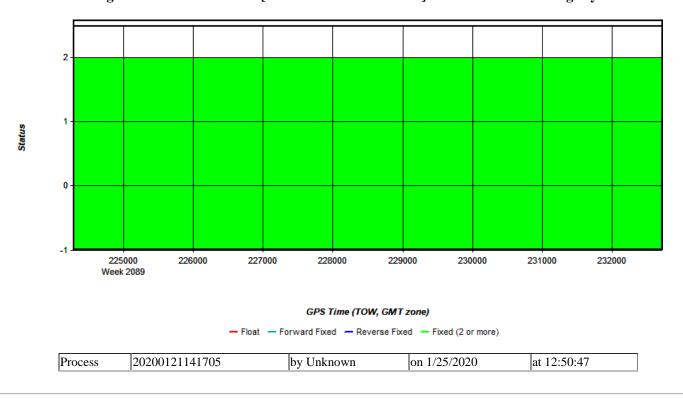


Figure 4: 20200121141705 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



Figure 5: 20200121141705 [Smoothed TC Combined] - Estimated Position Accuracy Plot

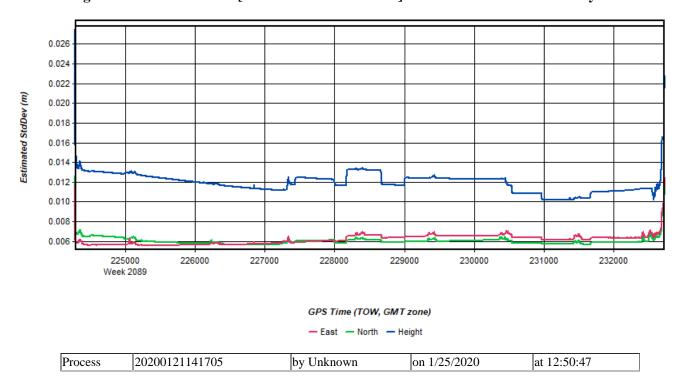


Figure 6: 20200121141705 [Smoothed TC Combined] - PDOP Plot

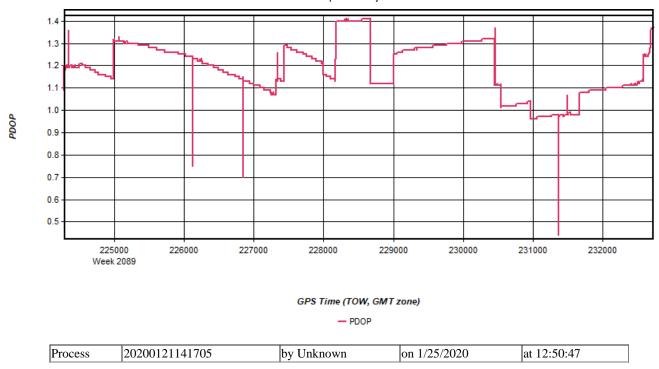


Figure 7: 20200121141705 [Smoothed TC Combined] - Number of Satellites Line Plot



Figure 8: 20200121141705 [Smoothed TC Combined] - Status flag for IMU processing

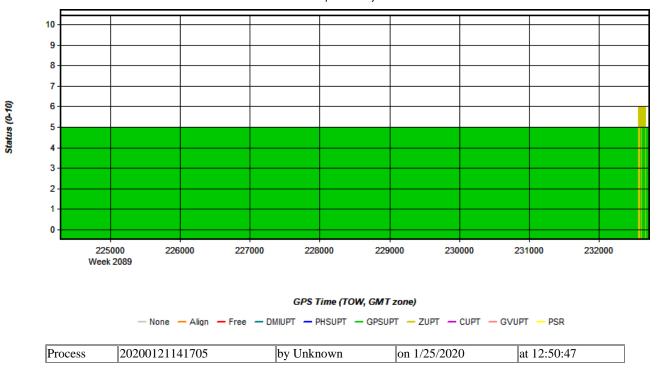


Figure 9: 20200121141705 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

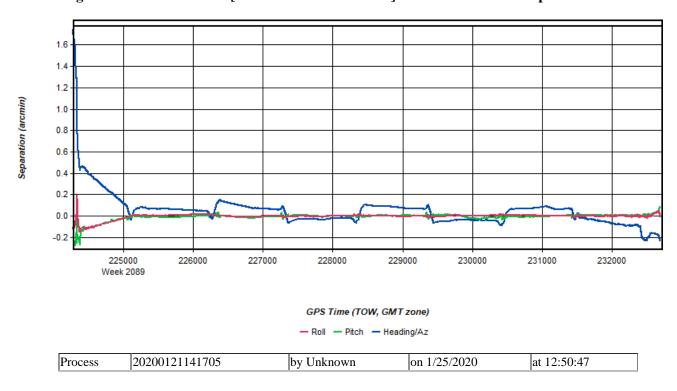


Figure 10: 20200121141705 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

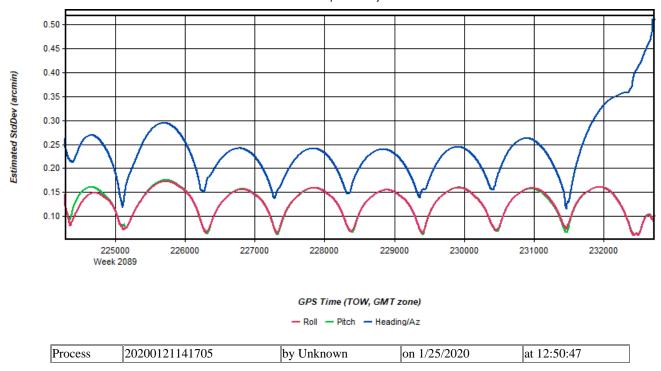


Figure 11: 20200121141705 [Smoothed TC Combined] - Azimuth Plot



Figure 12: 20200121141705 [Smoothed TC Combined] - Roll & Pitch Plot

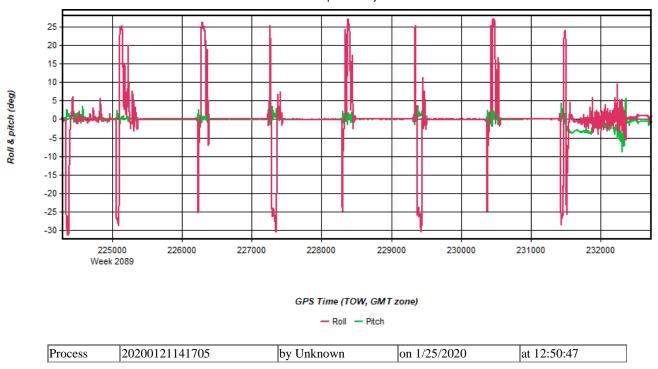


Figure 13: 20200121141705 [Smoothed TC Combined] - Velocity Profile Plot

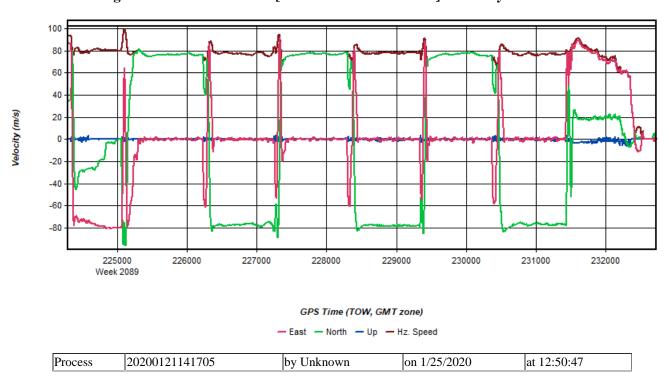


Figure 14: 20200121141705 [Smoothed TC Combined] - Body Frame Velocity Plot



Figure 15: 20200121141705 [Smoothed TC Combined] - Height Profile Plot

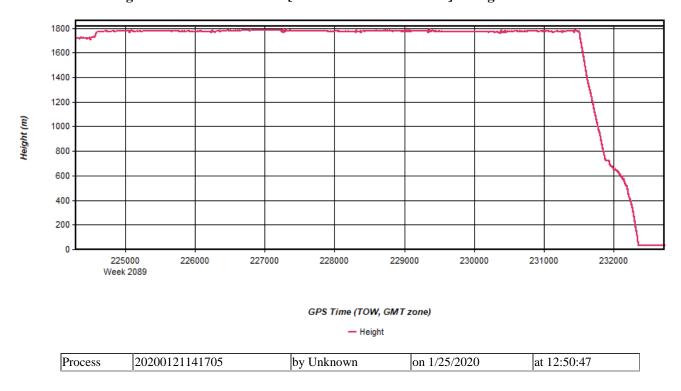


Figure 16: 20200121141705 [Smoothed TC Combined] - C/A Code Residual RMS Plot

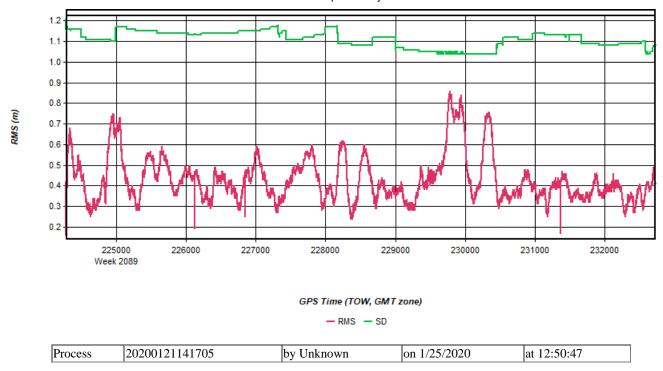


Figure 17: 20200121141705 [Smoothed TC Combined] - Carrier Residual RMS Plot

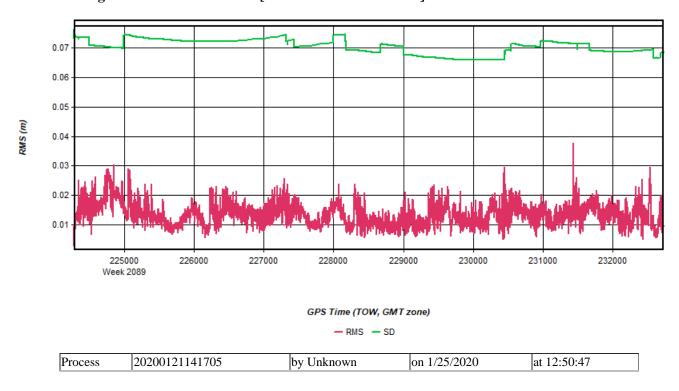


Figure 18: 20200121141705 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

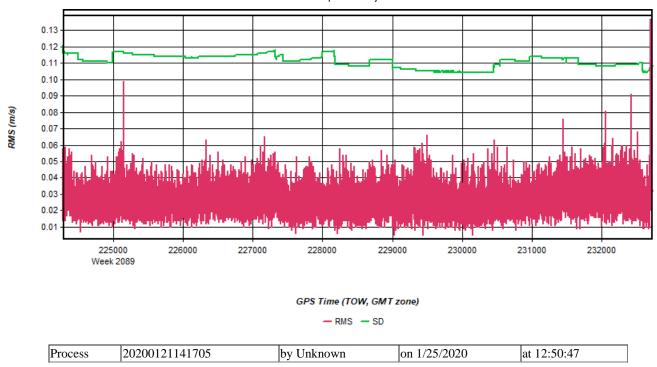


Figure 19: 20200121141705 [Smoothed TC Combined] - Accelerometer Bias Plot

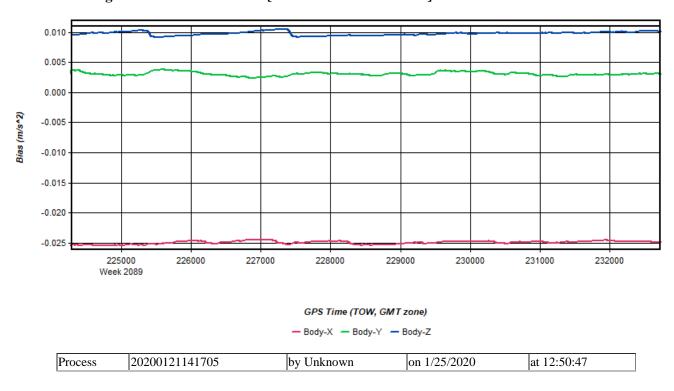
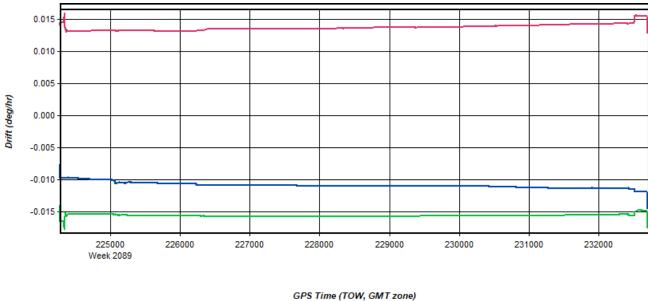


Figure 20: 20200121141705 [Smoothed TC Combined] - Gyro Drift Plot





Process	20200121141705	by Unknown	on 1/25/2020	at 12:50:47	

# **Output Results for 20200121180142**

 $\begin{array}{c} \text{Inertial Explorer Version 8.80.2305} \\ 01/25/2020 \end{array}$ 

Figure 1: Smoothed TC Combined - Map

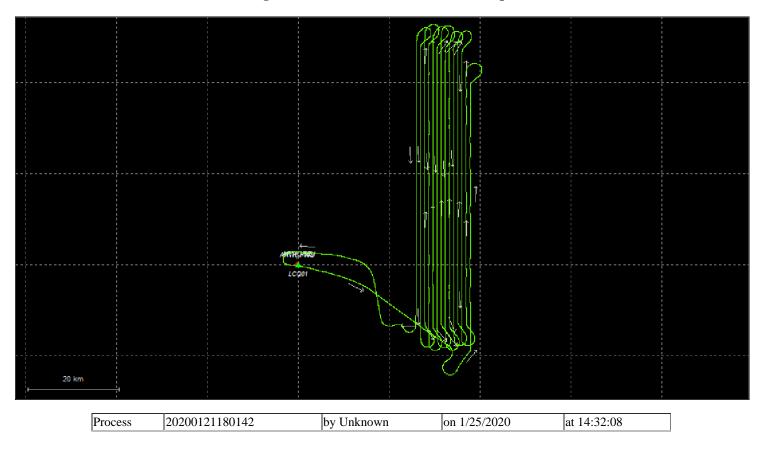


Figure 2: 20200121180142 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

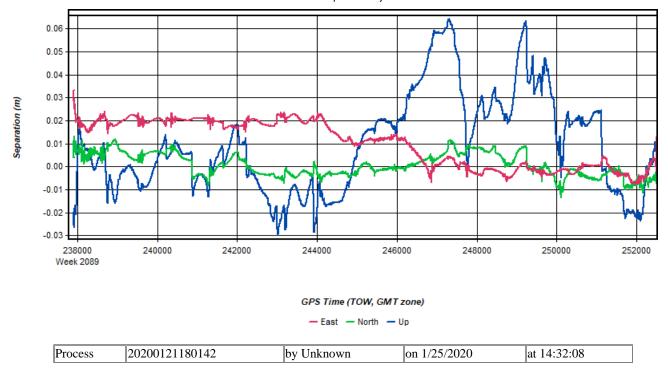


Figure 3: 20200121180142 [Smoothed TC Combined] - Float or Fixed Ambiguity

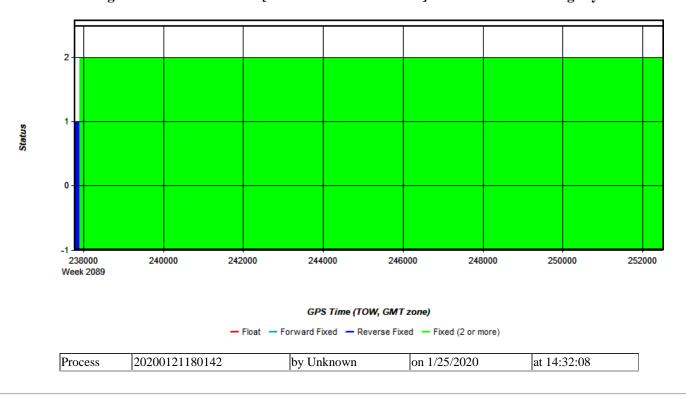


Figure 4: 20200121180142 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)

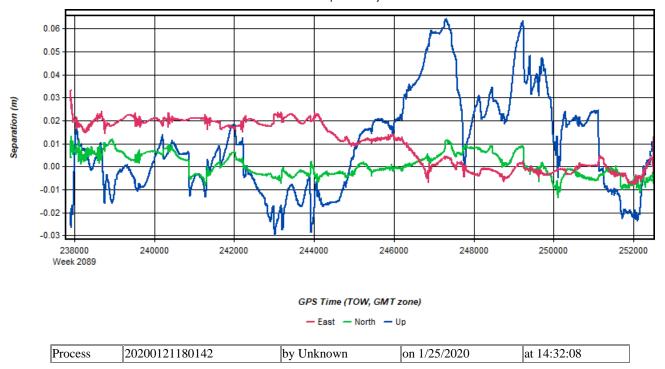


Figure 5: 20200121180142 [Smoothed TC Combined] - Estimated Position Accuracy Plot

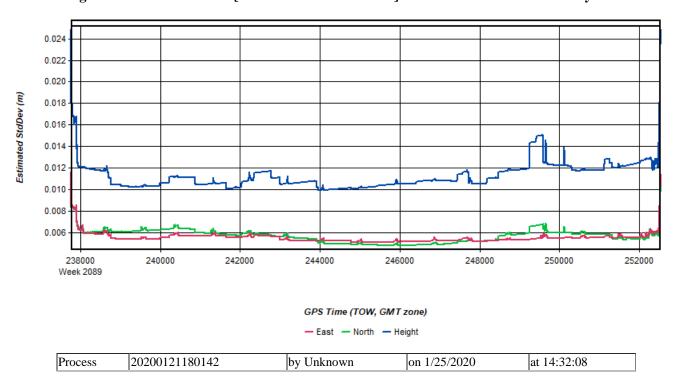


Figure 6: 20200121180142 [Smoothed TC Combined] - PDOP Plot

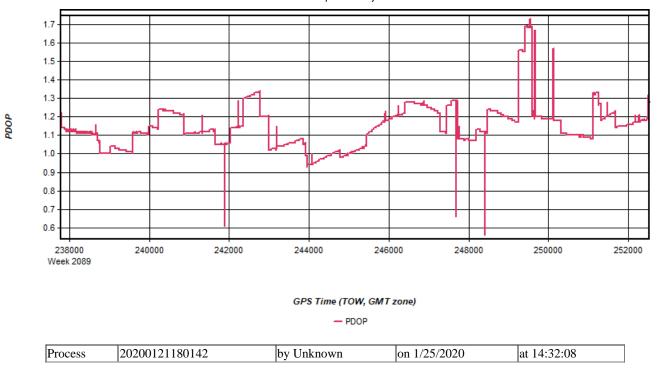


Figure 7: 20200121180142 [Smoothed TC Combined] - Number of Satellites Line Plot

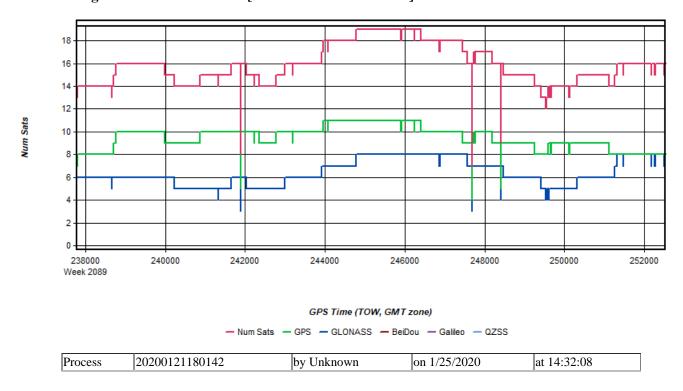


Figure 8: 20200121180142 [Smoothed TC Combined] - Status flag for IMU processing

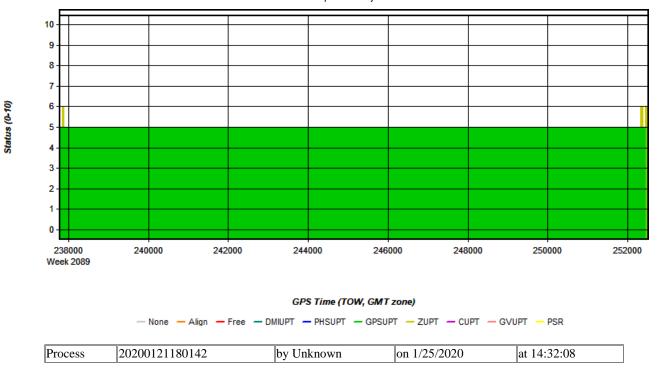


Figure 9: 20200121180142 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot



Figure 10: 20200121180142 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

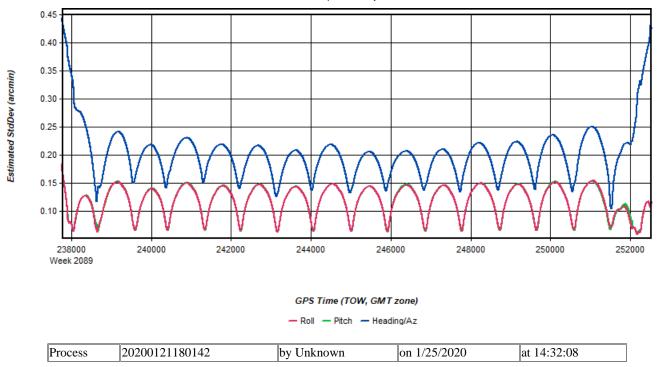


Figure 11: 20200121180142 [Smoothed TC Combined] - Azimuth Plot

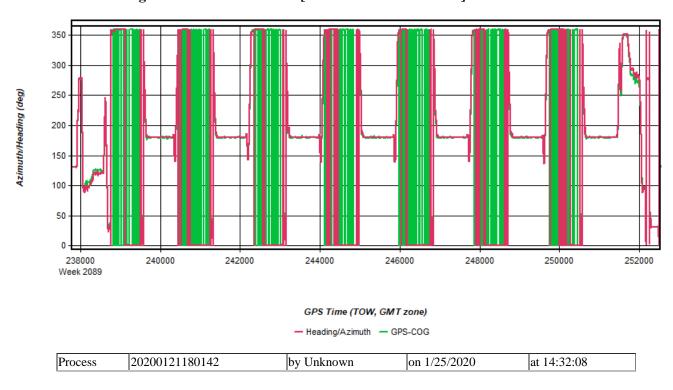


Figure 12: 20200121180142 [Smoothed TC Combined] - Roll & Pitch Plot

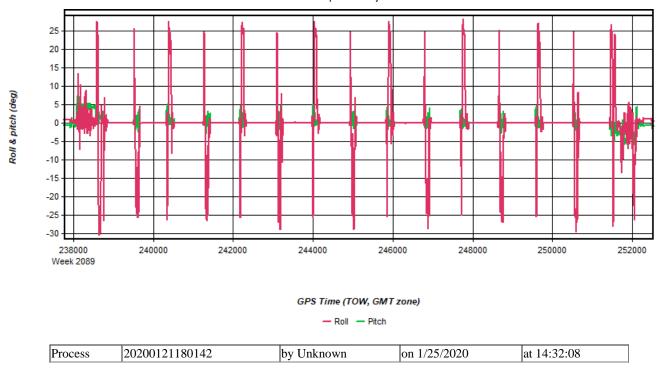


Figure 13: 20200121180142 [Smoothed TC Combined] - Velocity Profile Plot

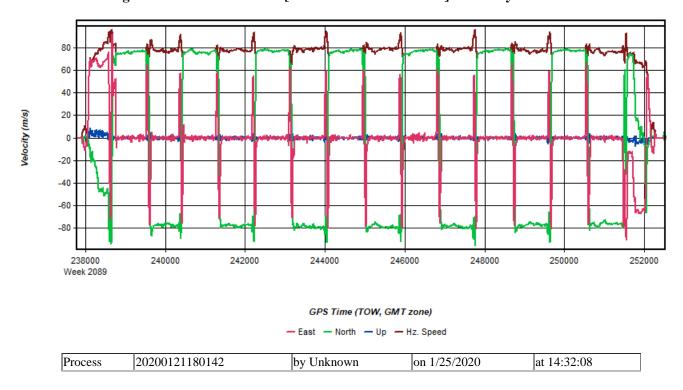


Figure 14: 20200121180142 [Smoothed TC Combined] - Body Frame Velocity Plot



Figure 15: 20200121180142 [Smoothed TC Combined] - Height Profile Plot

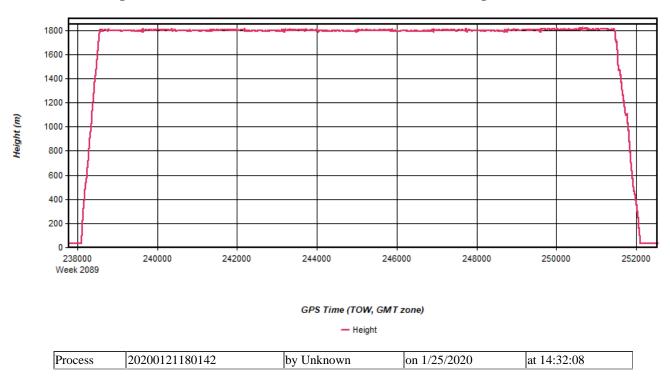


Figure 16: 20200121180142 [Smoothed TC Combined] - C/A Code Residual RMS Plot

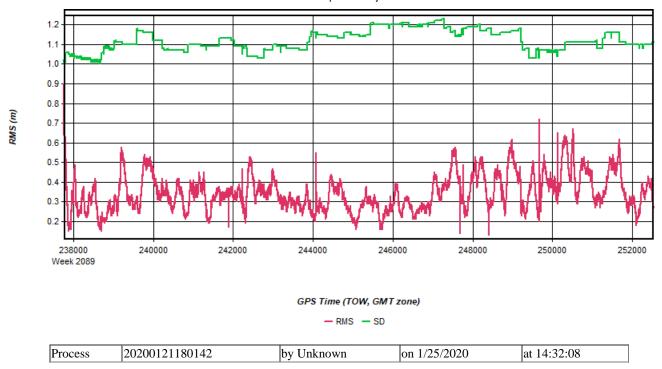


Figure 17: 20200121180142 [Smoothed TC Combined] - Carrier Residual RMS Plot

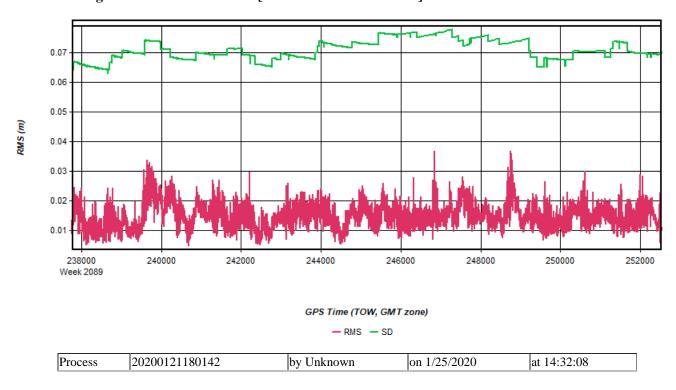


Figure 18: 20200121180142 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

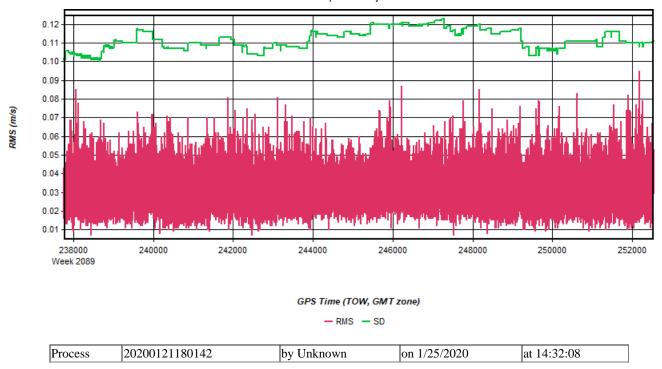


Figure 19: 20200121180142 [Smoothed TC Combined] - Accelerometer Bias Plot

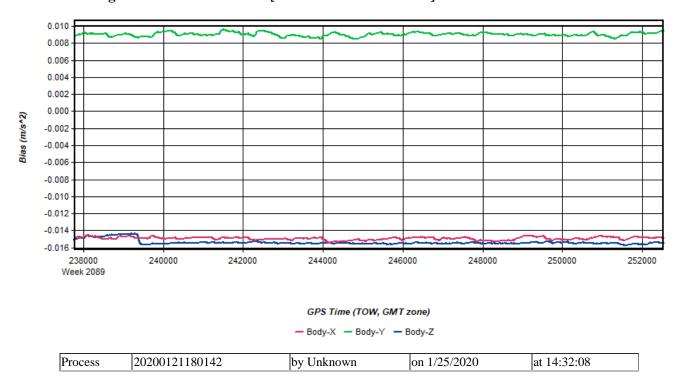
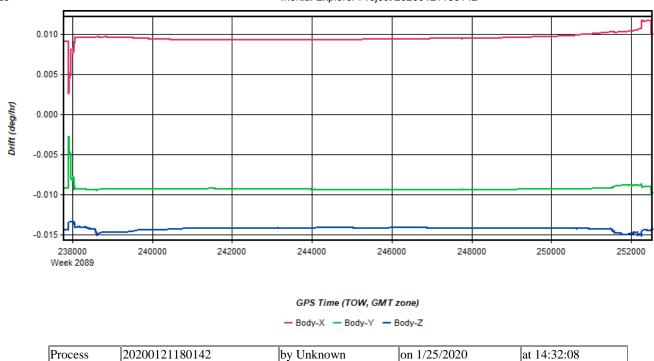


Figure 20: 20200121180142 [Smoothed TC Combined] - Gyro Drift Plot



# **Output Results for 20200121223305**

 $\begin{array}{c} \text{Inertial Explorer Version 8.80.2305} \\ 01/25/2020 \end{array}$ 

Figure 1: Smoothed TC Combined - Map

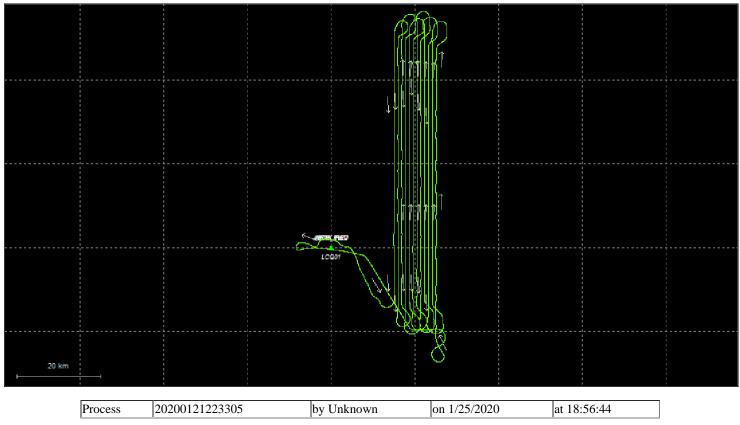


Figure 2: 20200121223305 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

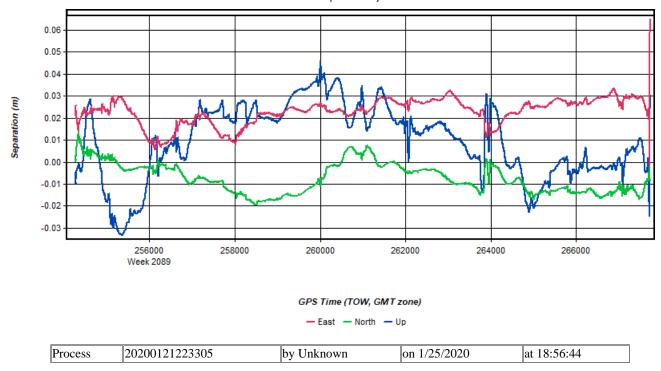


Figure 3: 20200121223305 [Smoothed TC Combined] - Float or Fixed Ambiguity

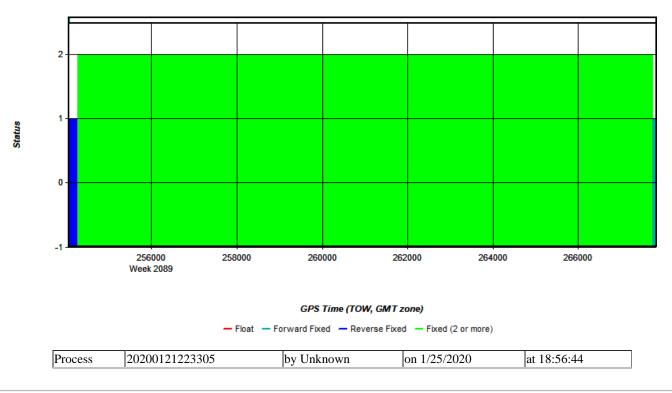


Figure 4: 20200121223305 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



Figure 5: 20200121223305 [Smoothed TC Combined] - Estimated Position Accuracy Plot

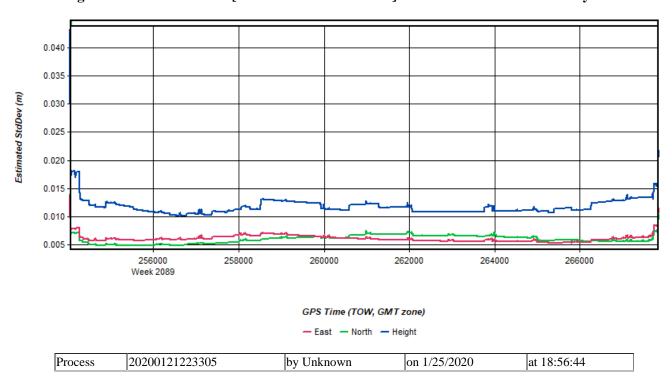


Figure 6: 20200121223305 [Smoothed TC Combined] - PDOP Plot

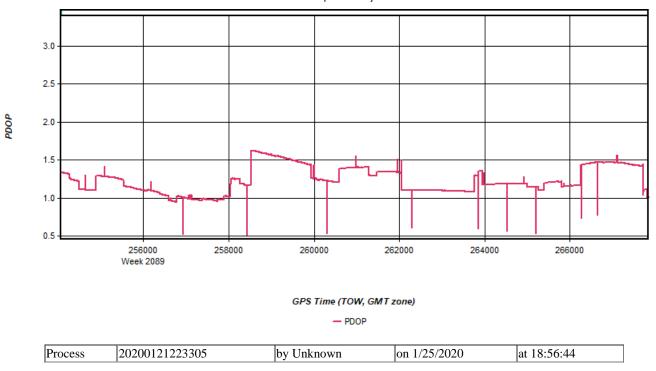


Figure 7: 20200121223305 [Smoothed TC Combined] - Number of Satellites Line Plot

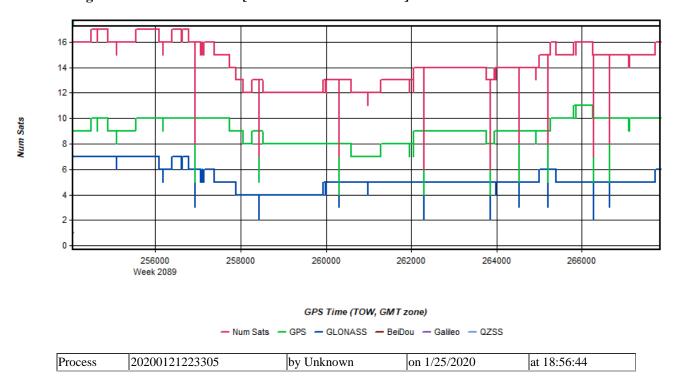


Figure 8: 20200121223305 [Smoothed TC Combined] - Status flag for IMU processing

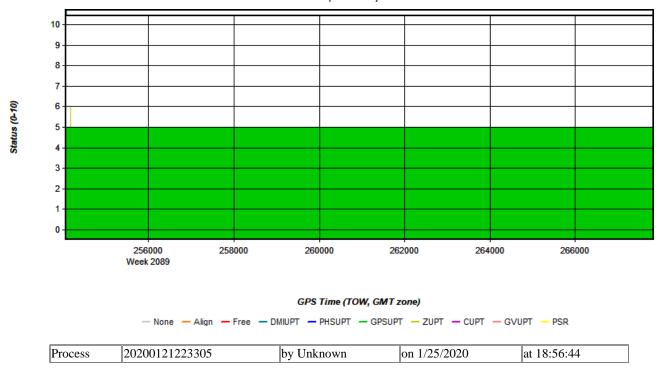


Figure 9: 20200121223305 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

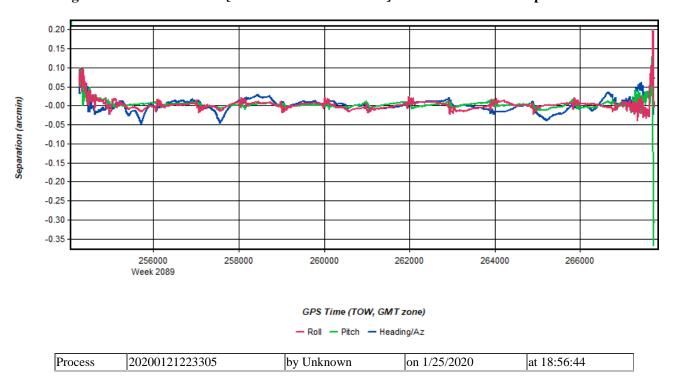


Figure 10: 20200121223305 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

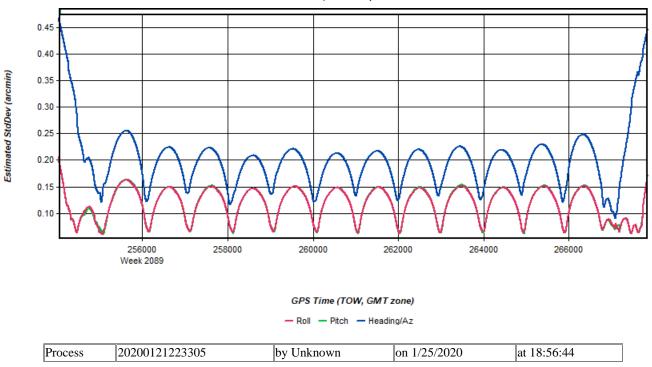


Figure 11: 20200121223305 [Smoothed TC Combined] - Azimuth Plot

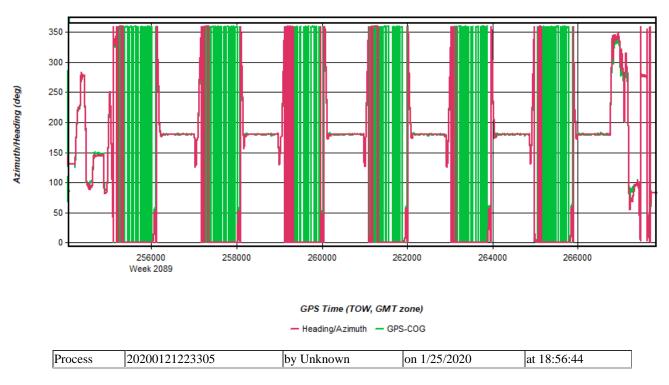


Figure 12: 20200121223305 [Smoothed TC Combined] - Roll & Pitch Plot

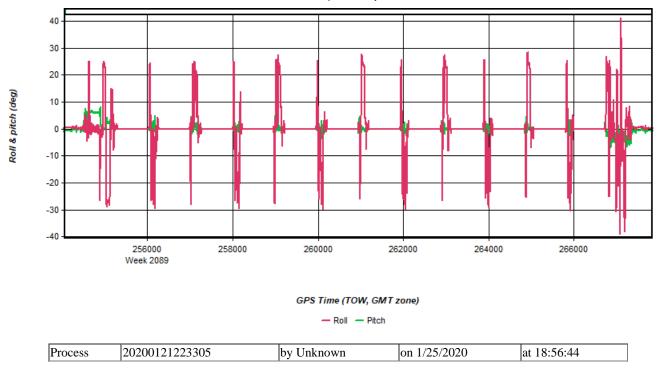


Figure 13: 20200121223305 [Smoothed TC Combined] - Velocity Profile Plot

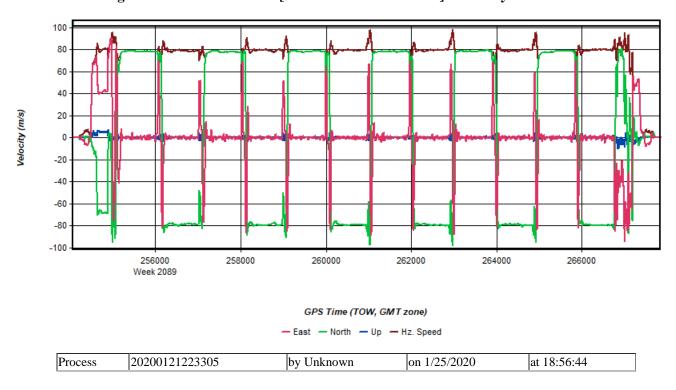


Figure 14: 20200121223305 [Smoothed TC Combined] - Body Frame Velocity Plot

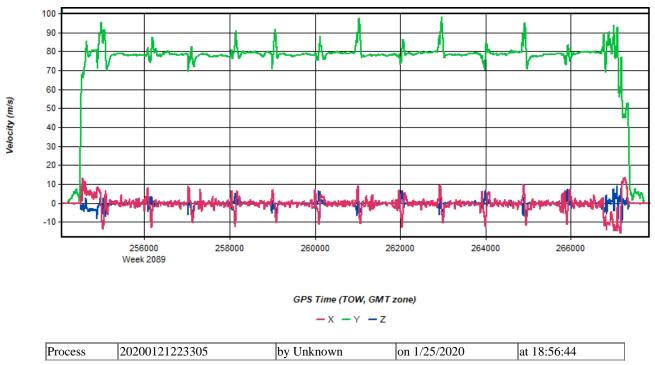


Figure 15: 20200121223305 [Smoothed TC Combined] - Height Profile Plot

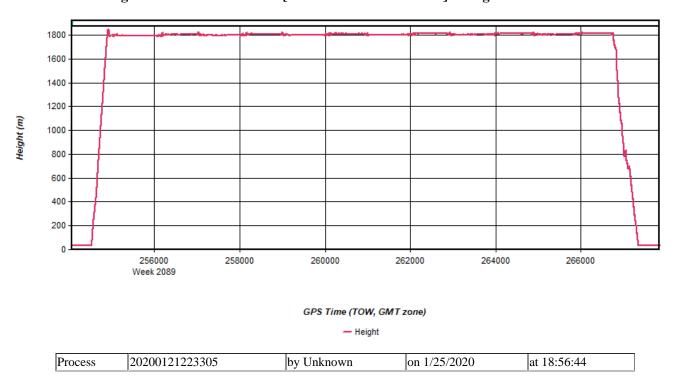


Figure 16: 20200121223305 [Smoothed TC Combined] - C/A Code Residual RMS Plot

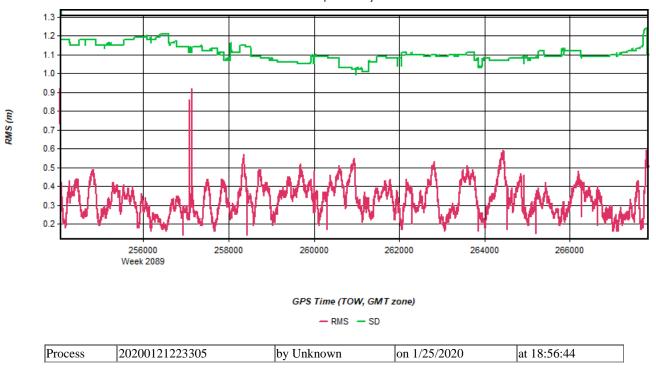
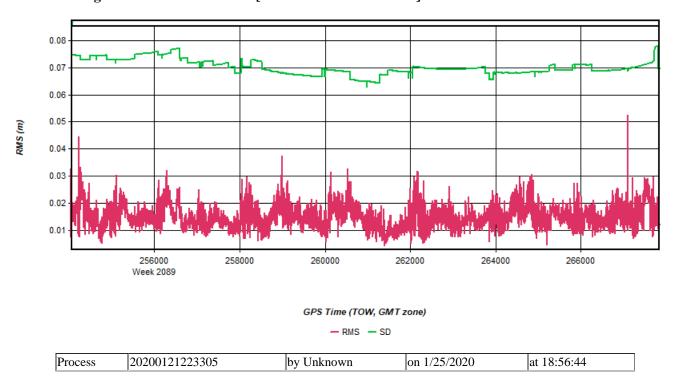


Figure 17: 20200121223305 [Smoothed TC Combined] - Carrier Residual RMS Plot



Figure~18:~20200121223305~[Smoothed~TC~Combined]~-~L1~Doppler~Residual~RMS~Plot

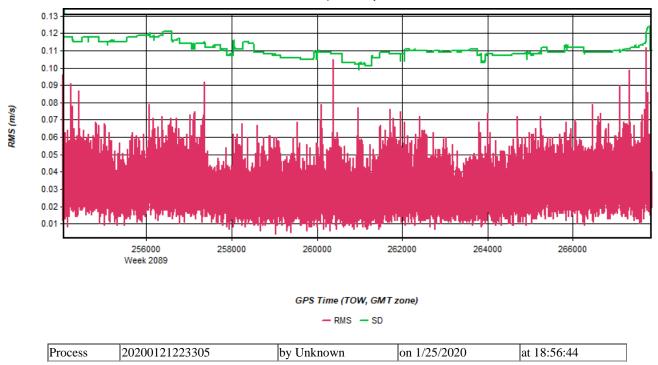


Figure 19: 20200121223305 [Smoothed TC Combined] - Accelerometer Bias Plot

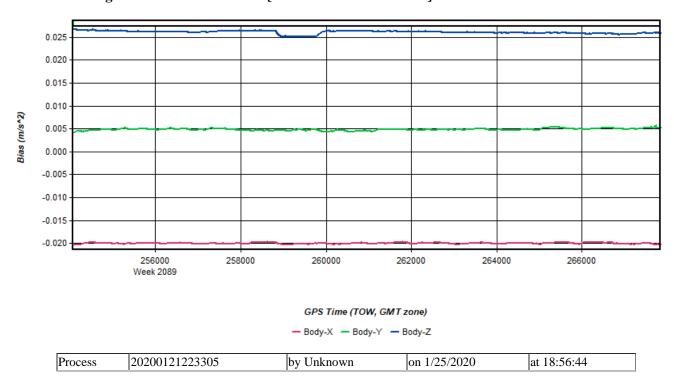
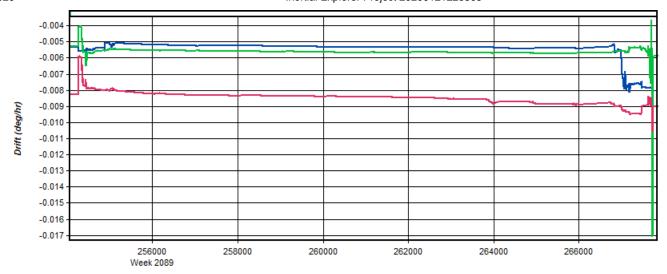


Figure 20: 20200121223305 [Smoothed TC Combined] - Gyro Drift Plot



## GPS Time (TOW, GMT zone)

Process	20200121223305	by Unknown	on 1/25/2020	at 18:56:44	

Process

20200122151912

# **Output Results for 20200122151912**

 $\begin{array}{c} \text{Inertial Explorer Version 8.80.2305} \\ 01/25/2020 \end{array}$ 

20 km

Figure 1: Smoothed TC Combined - Map

Figure 2: 20200122151912 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot

on 1/25/2020

at 19:40:39

by Unknown



Figure 3: 20200122151912 [Smoothed TC Combined] - Float or Fixed Ambiguity

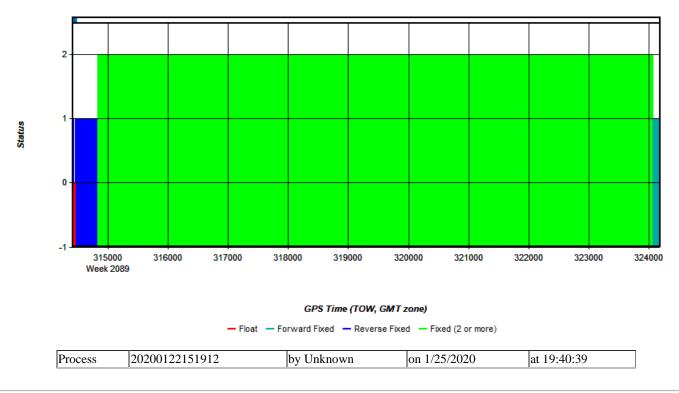


Figure 4: 20200122151912 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



Figure 5: 20200122151912 [Smoothed TC Combined] - Estimated Position Accuracy Plot

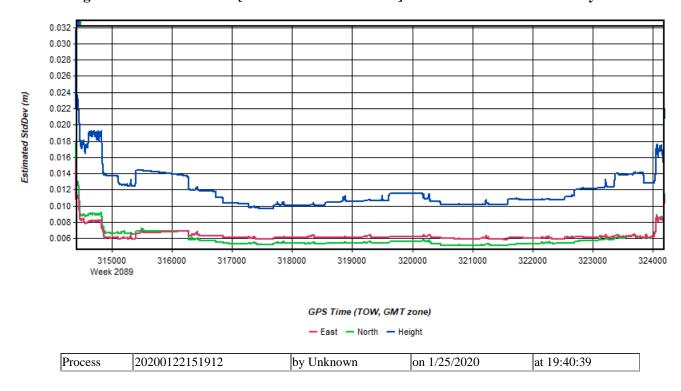


Figure 6: 20200122151912 [Smoothed TC Combined] - PDOP Plot

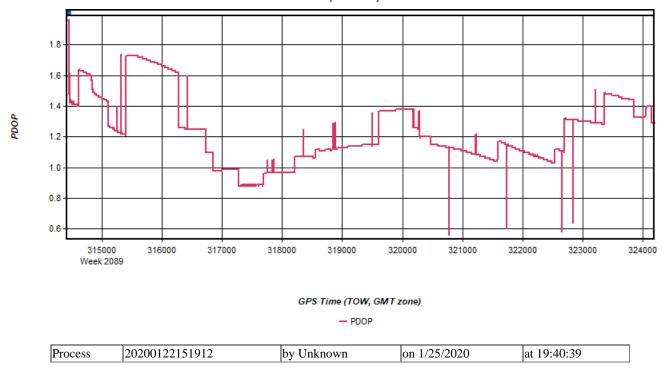


Figure 7: 20200122151912 [Smoothed TC Combined] - Number of Satellites Line Plot

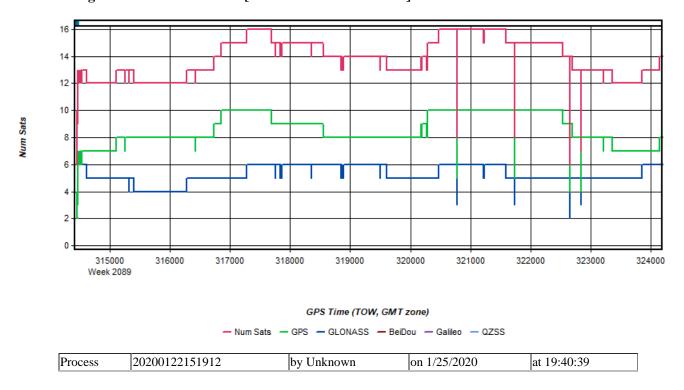


Figure 8: 20200122151912 [Smoothed TC Combined] - Status flag for IMU processing

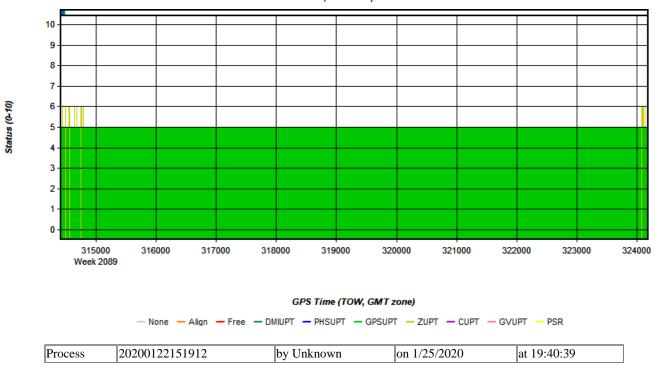


Figure 9: 20200122151912 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

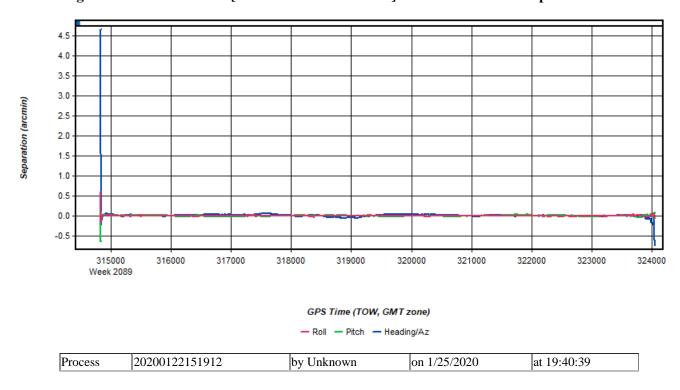


Figure 10: 20200122151912 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

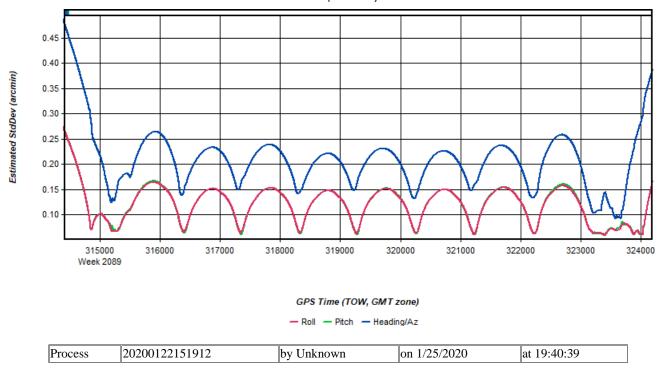


Figure 11: 20200122151912 [Smoothed TC Combined] - Azimuth Plot

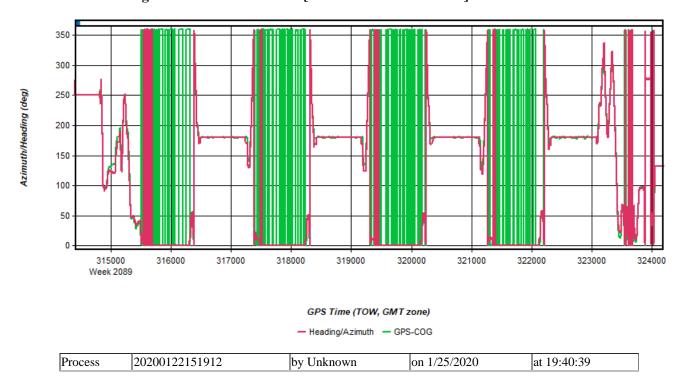


Figure 12: 20200122151912 [Smoothed TC Combined] - Roll & Pitch Plot

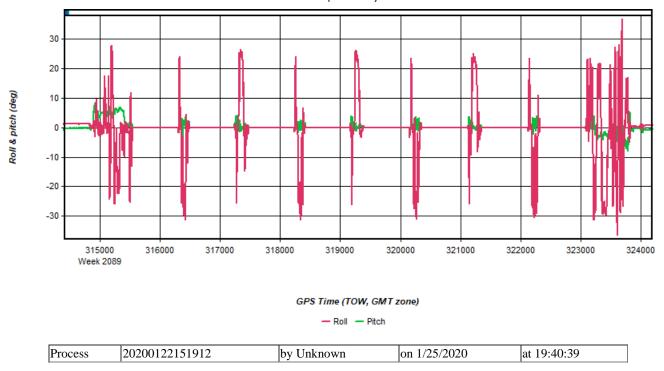


Figure 13: 20200122151912 [Smoothed TC Combined] - Velocity Profile Plot

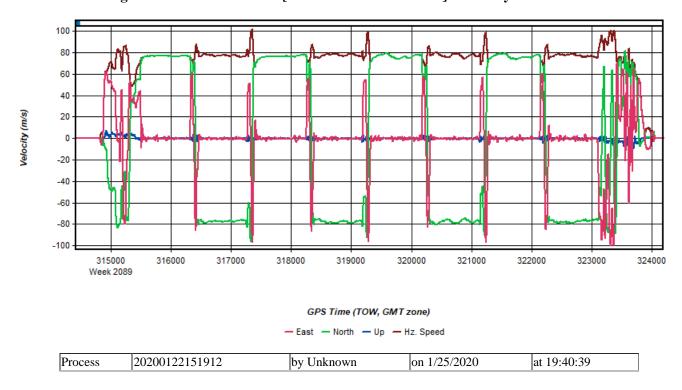


Figure 14: 20200122151912 [Smoothed TC Combined] - Body Frame Velocity Plot



Figure 15: 20200122151912 [Smoothed TC Combined] - Height Profile Plot

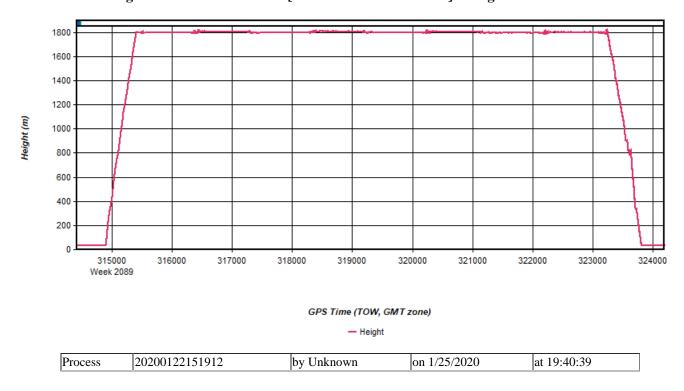


Figure 16: 20200122151912 [Smoothed TC Combined] - C/A Code Residual RMS Plot

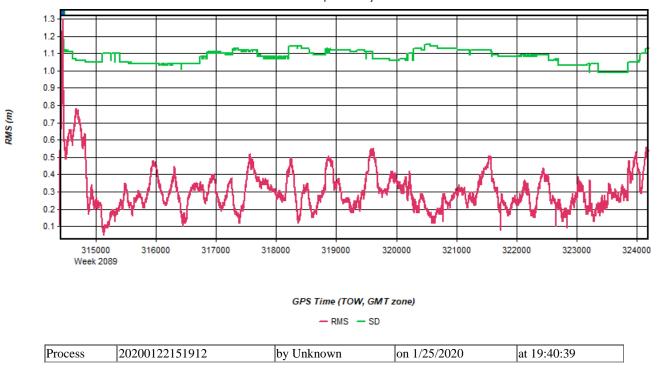


Figure 17: 20200122151912 [Smoothed TC Combined] - Carrier Residual RMS Plot

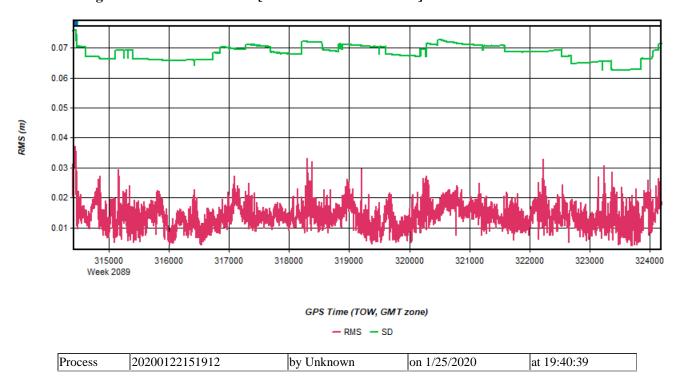


Figure 18: 20200122151912 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

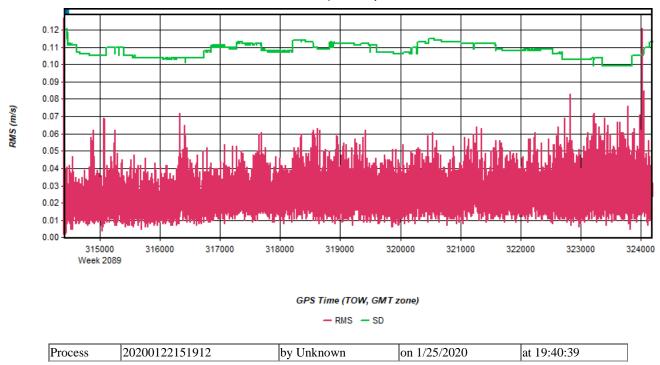
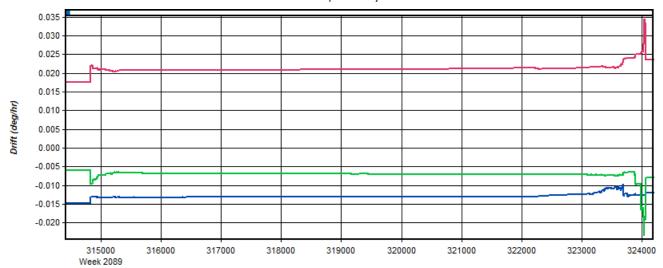


Figure 19: 20200122151912 [Smoothed TC Combined] - Accelerometer Bias Plot



Figure 20: 20200122151912 [Smoothed TC Combined] - Gyro Drift Plot



## GPS Time (TOW, GMT zone)

	Process #20200122151912		by Unknown	on 1/25/2020	at 19:40:39
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# **Output Results for 20200125142833**

 $\begin{array}{c} \text{Inertial Explorer Version 8.80.2305} \\ 01/27/2020 \end{array}$ 

Figure 1: Smoothed TC Combined - Map

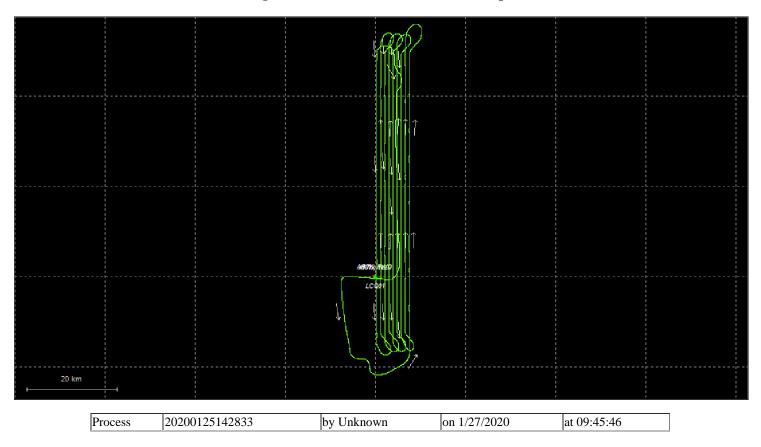


Figure 2: 20200125142833 [Smoothed TC Combined] - Forward/Reverse or Combined Separation Plot



Figure 3: 20200125142833 [Smoothed TC Combined] - Float or Fixed Ambiguity

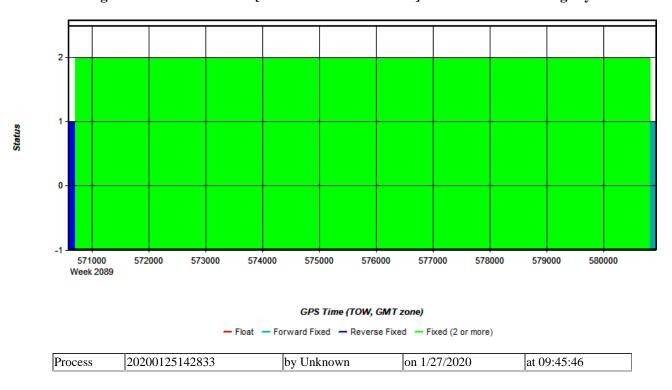


Figure 4: 20200125142833 [Smoothed TC Combined] - Forward/Reverse Separation Plot (Fixed)



Figure 5: 20200125142833 [Smoothed TC Combined] - Estimated Position Accuracy Plot

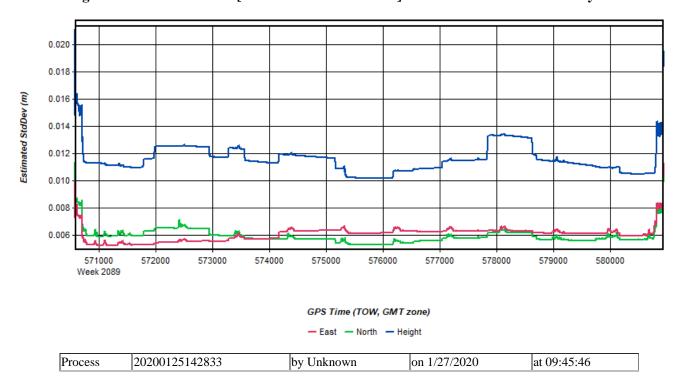


Figure 6: 20200125142833 [Smoothed TC Combined] - PDOP Plot



Figure 7: 20200125142833 [Smoothed TC Combined] - Number of Satellites Line Plot



Figure 8: 20200125142833 [Smoothed TC Combined] - Status flag for IMU processing

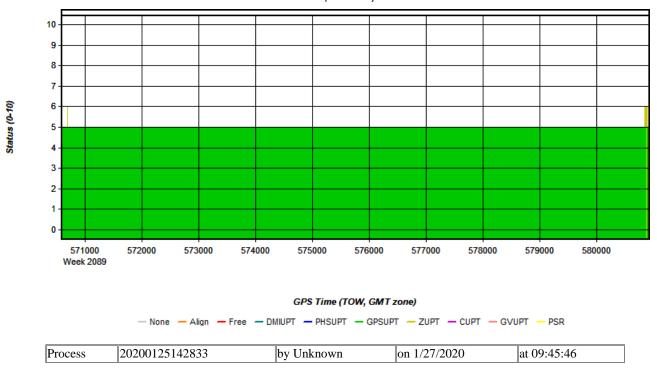


Figure 9: 20200125142833 [Smoothed TC Combined] - Fwd/Rev Attitude Separation Plot

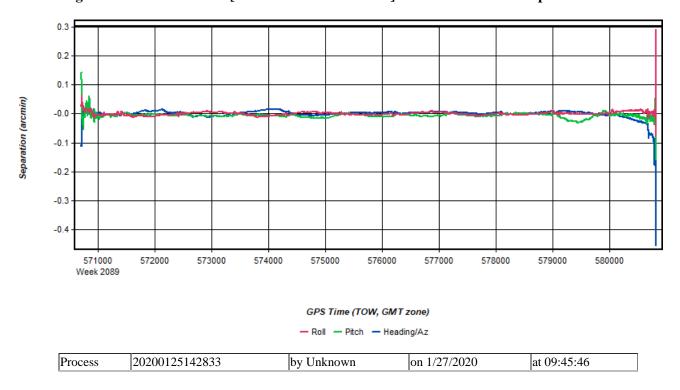


Figure 10: 20200125142833 [Smoothed TC Combined] - Estimated Attitude Accuracy Plot

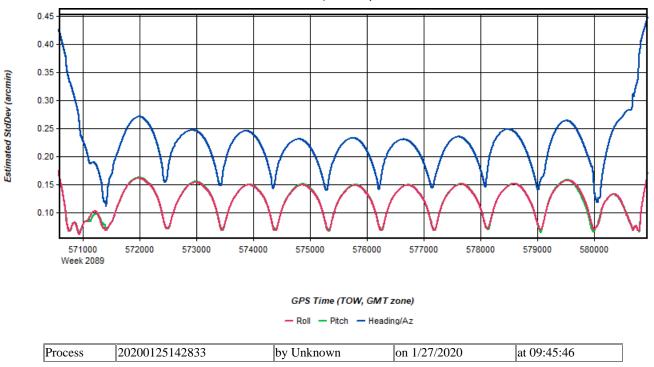


Figure 11: 20200125142833 [Smoothed TC Combined] - Azimuth Plot

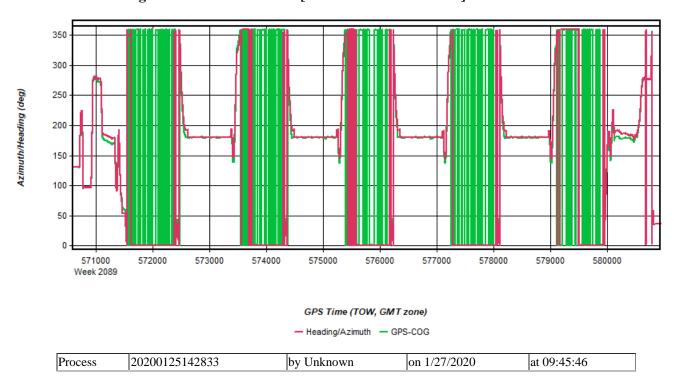


Figure 12: 20200125142833 [Smoothed TC Combined] - Roll & Pitch Plot

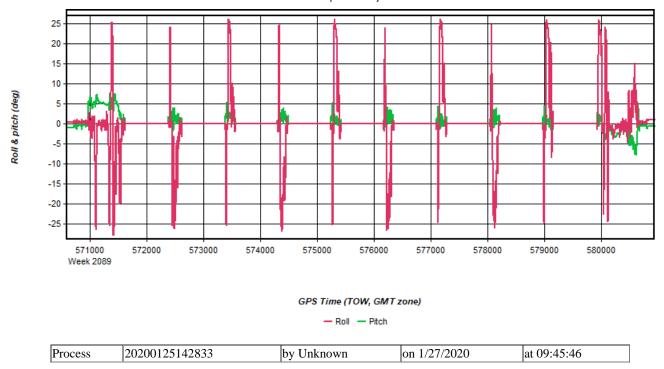


Figure 13: 20200125142833 [Smoothed TC Combined] - Velocity Profile Plot

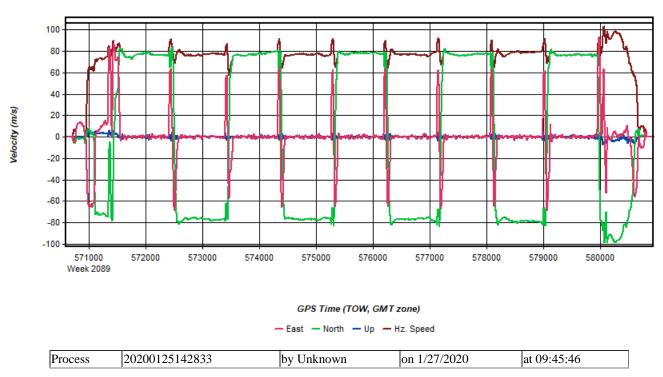


Figure 14: 20200125142833 [Smoothed TC Combined] - Body Frame Velocity Plot

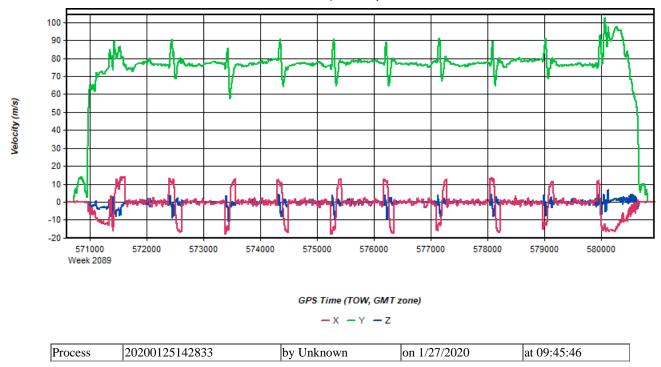


Figure 15: 20200125142833 [Smoothed TC Combined] - Height Profile Plot

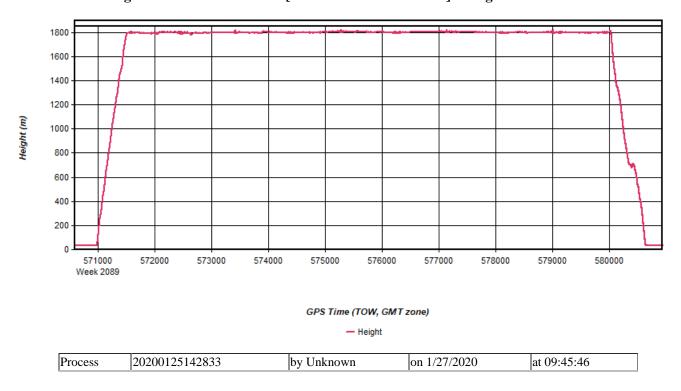


Figure 16: 20200125142833 [Smoothed TC Combined] - C/A Code Residual RMS Plot

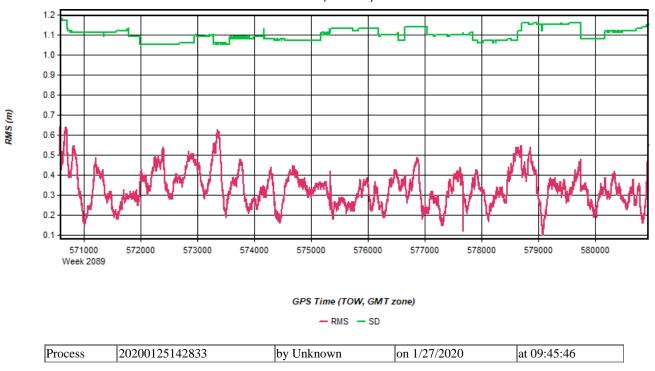


Figure 17: 20200125142833 [Smoothed TC Combined] - Carrier Residual RMS Plot

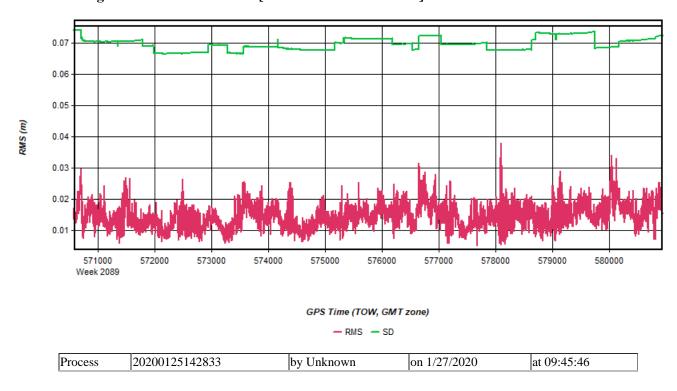


Figure 18: 20200125142833 [Smoothed TC Combined] - L1 Doppler Residual RMS Plot

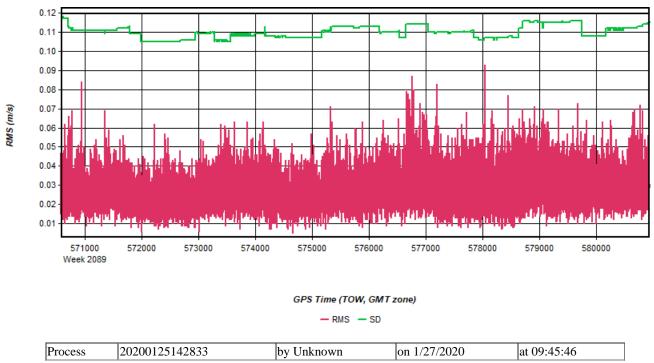


Figure 19: 20200125142833 [Smoothed TC Combined] - Accelerometer Bias Plot

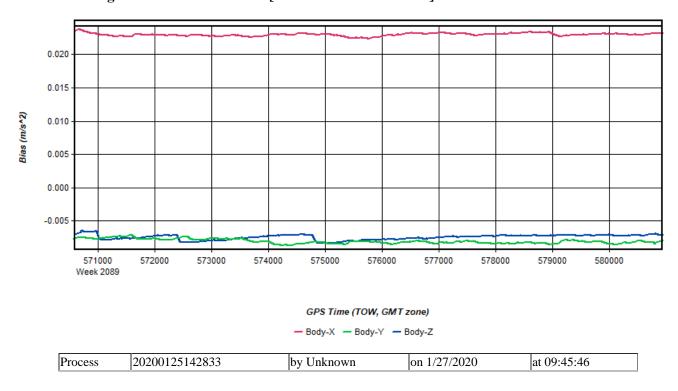
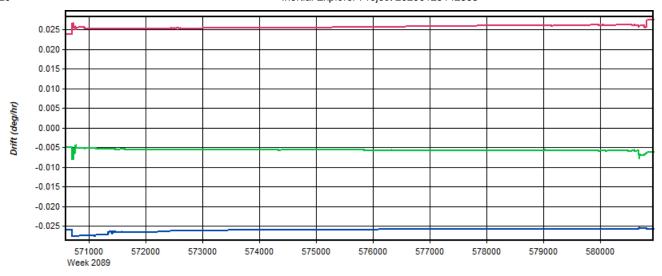


Figure 20: 20200125142833 [Smoothed TC Combined] - Gyro Drift Plot



## GPS Time (TOW, GMT zone)

Process 20200125142833	by Unknown	on 1/27/2020	at 09:45:46	
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