

Project Report Appendices

**The following section contains the appendices as listed in
the Mendocino, CA 2017 LiDAR**

Project Report.

Appendices

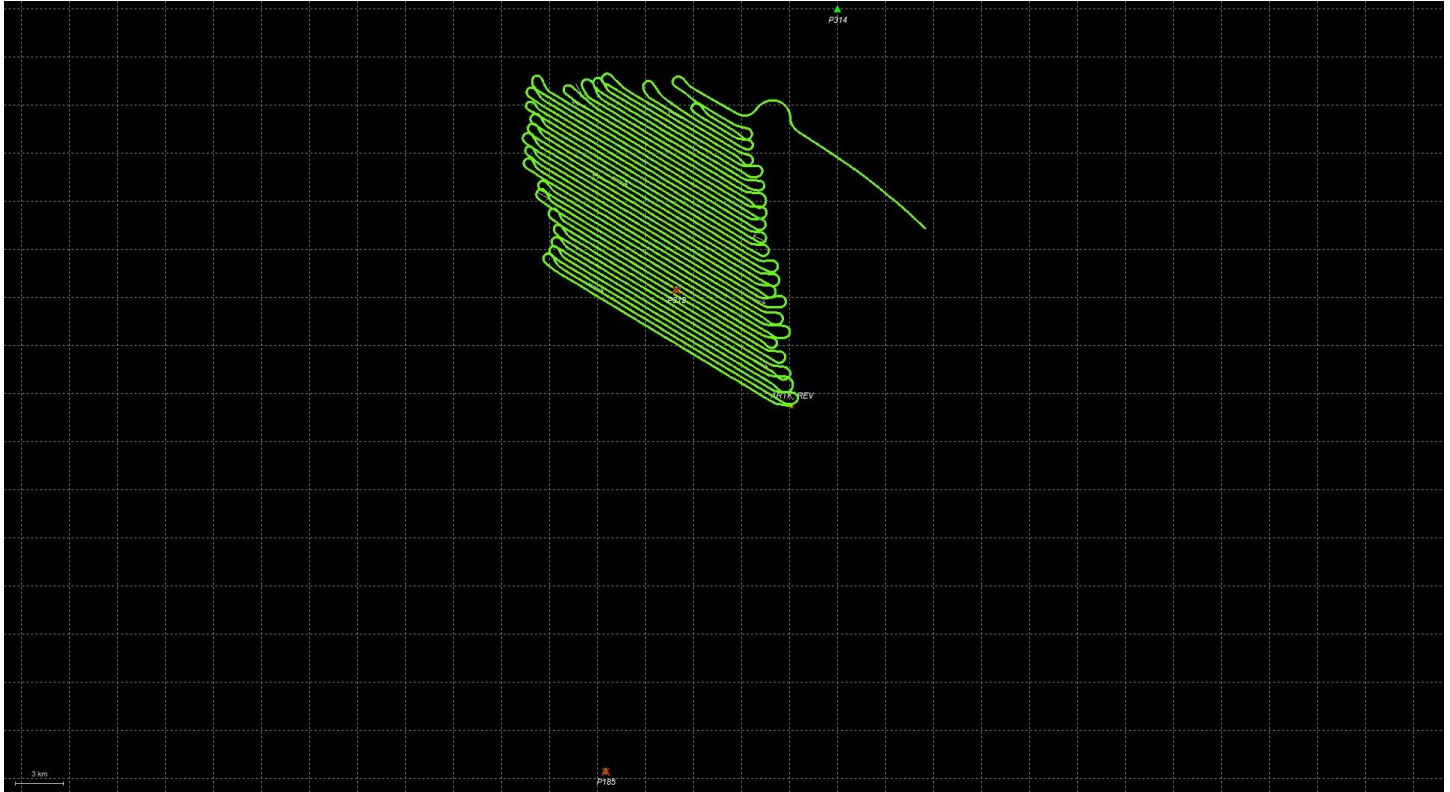
Appendix B

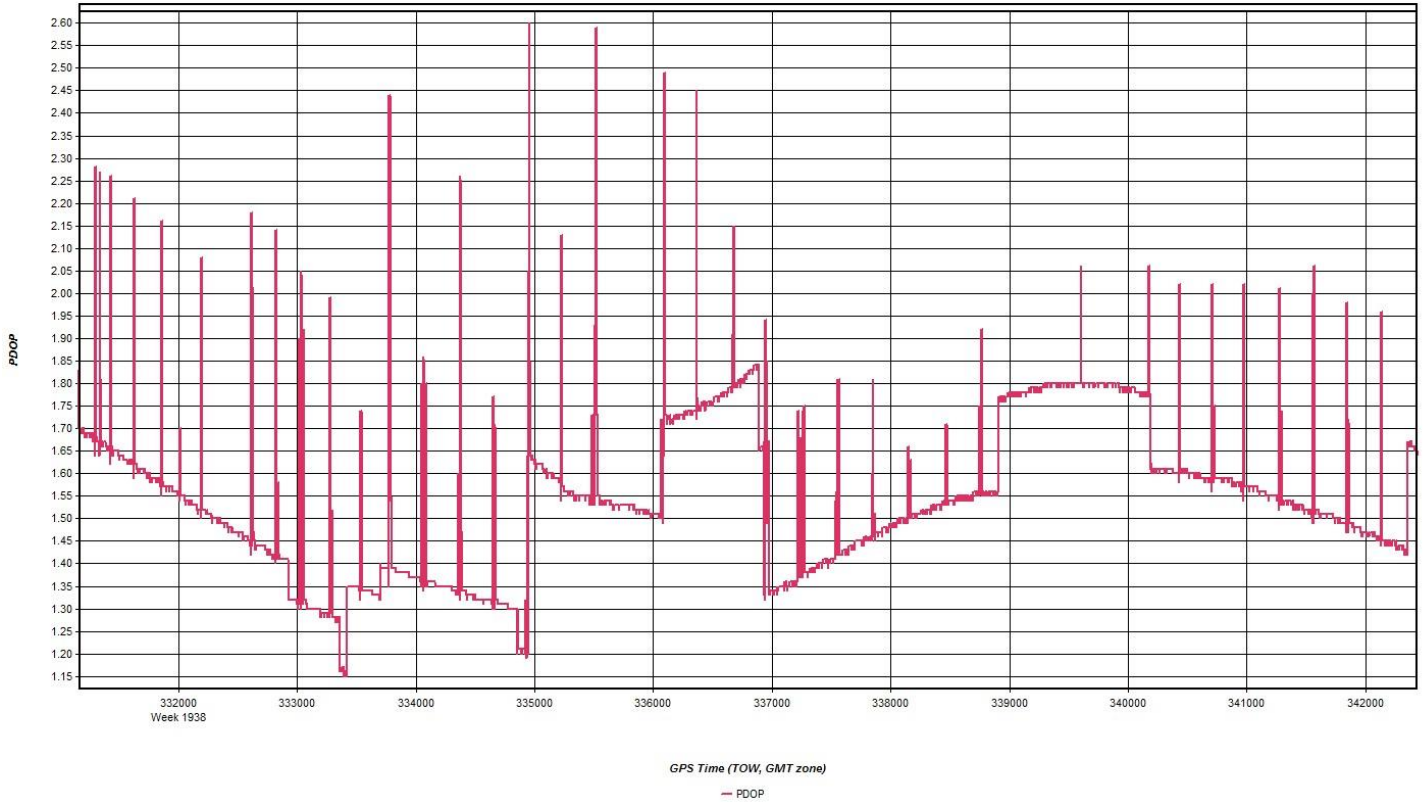
GPS/IMU Processing Statistics Flight Logs

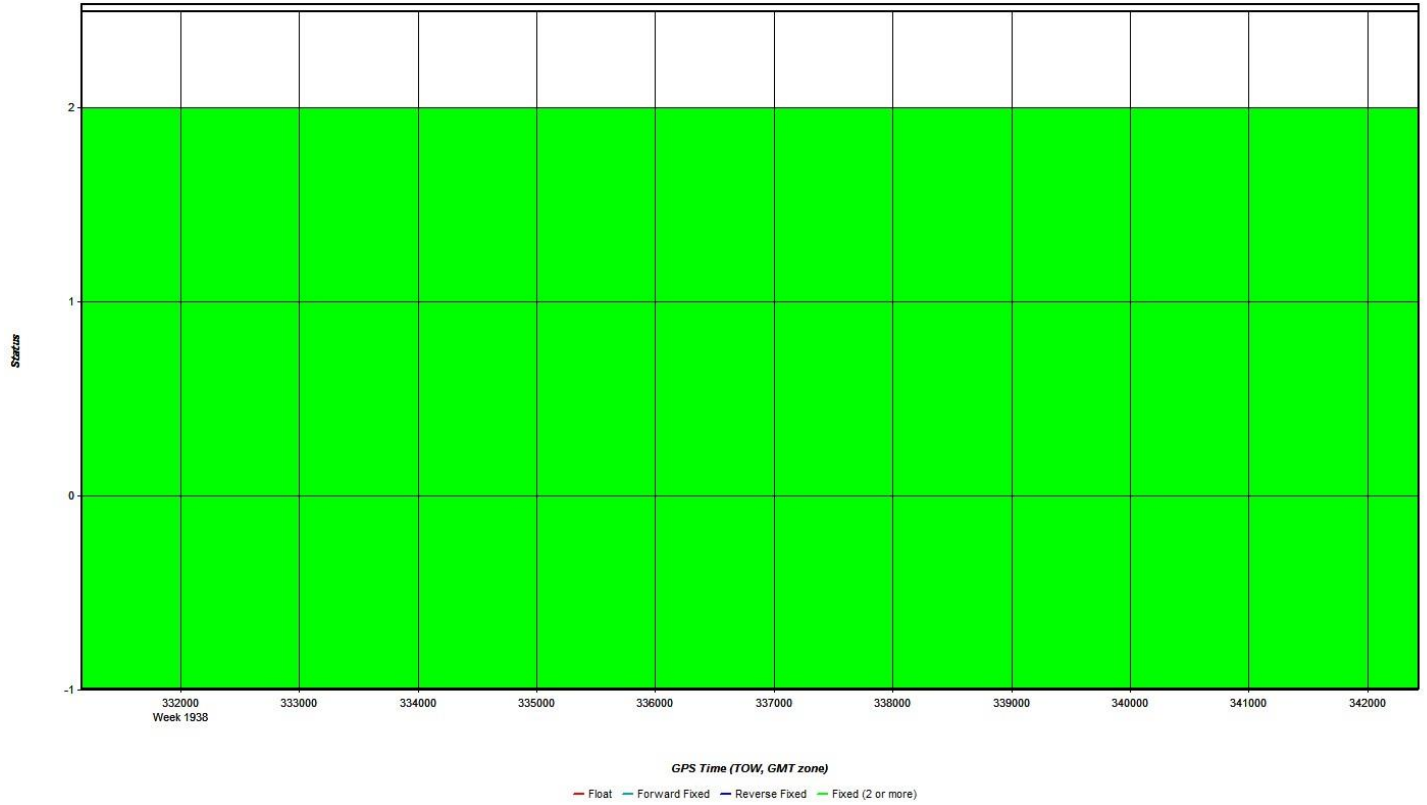
There were 29 total lifts. Graph reports generated from processing software, flight logs, and base station logs are found on the following pages.

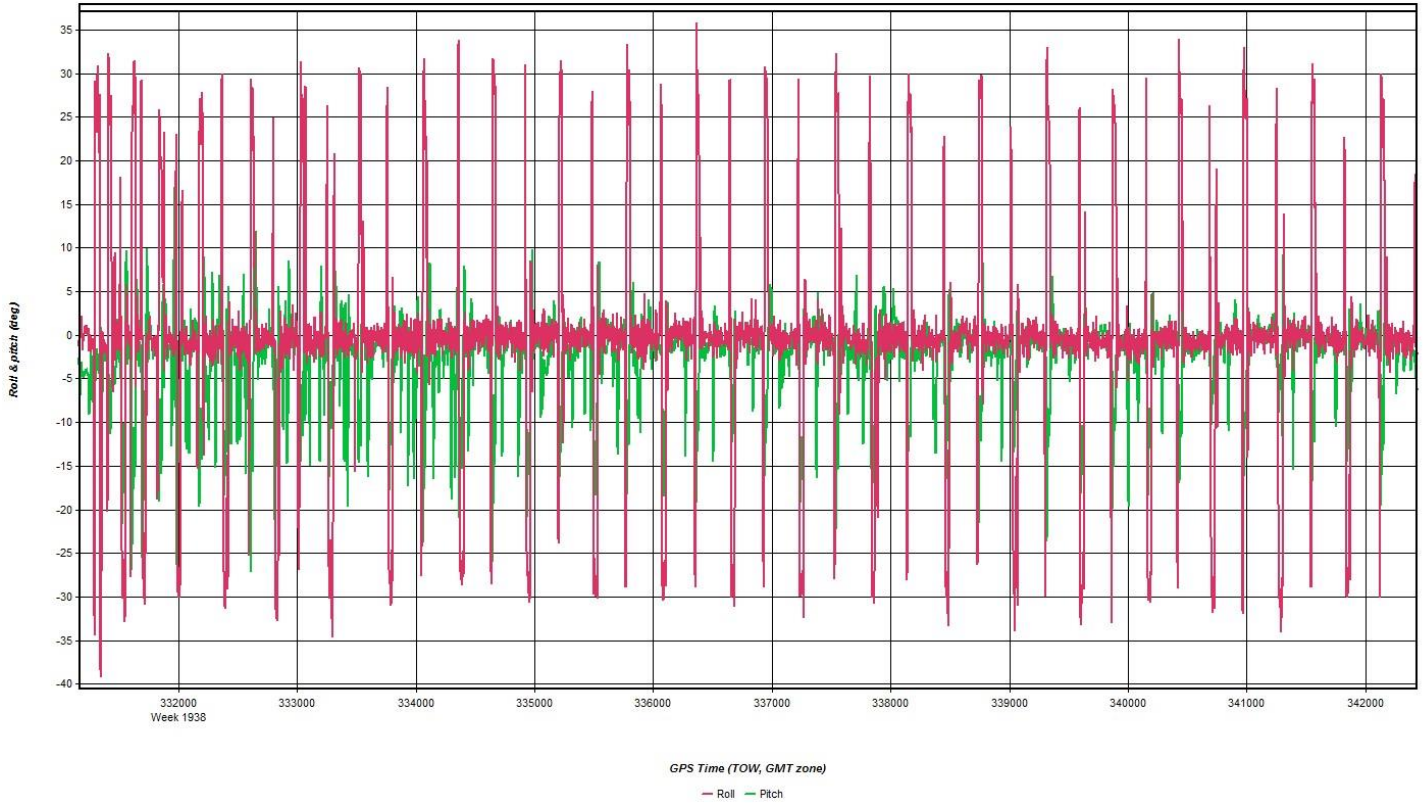
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Mar 29, 2017-A (N208NR, SN8239) 112 Flight Log 119	Apr 3, 2017-B (N704MD, SN8121) 239 Flight Log 246
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	Apr 4, 2017-A (N704MD, SN8121) 257 Flight Log 258

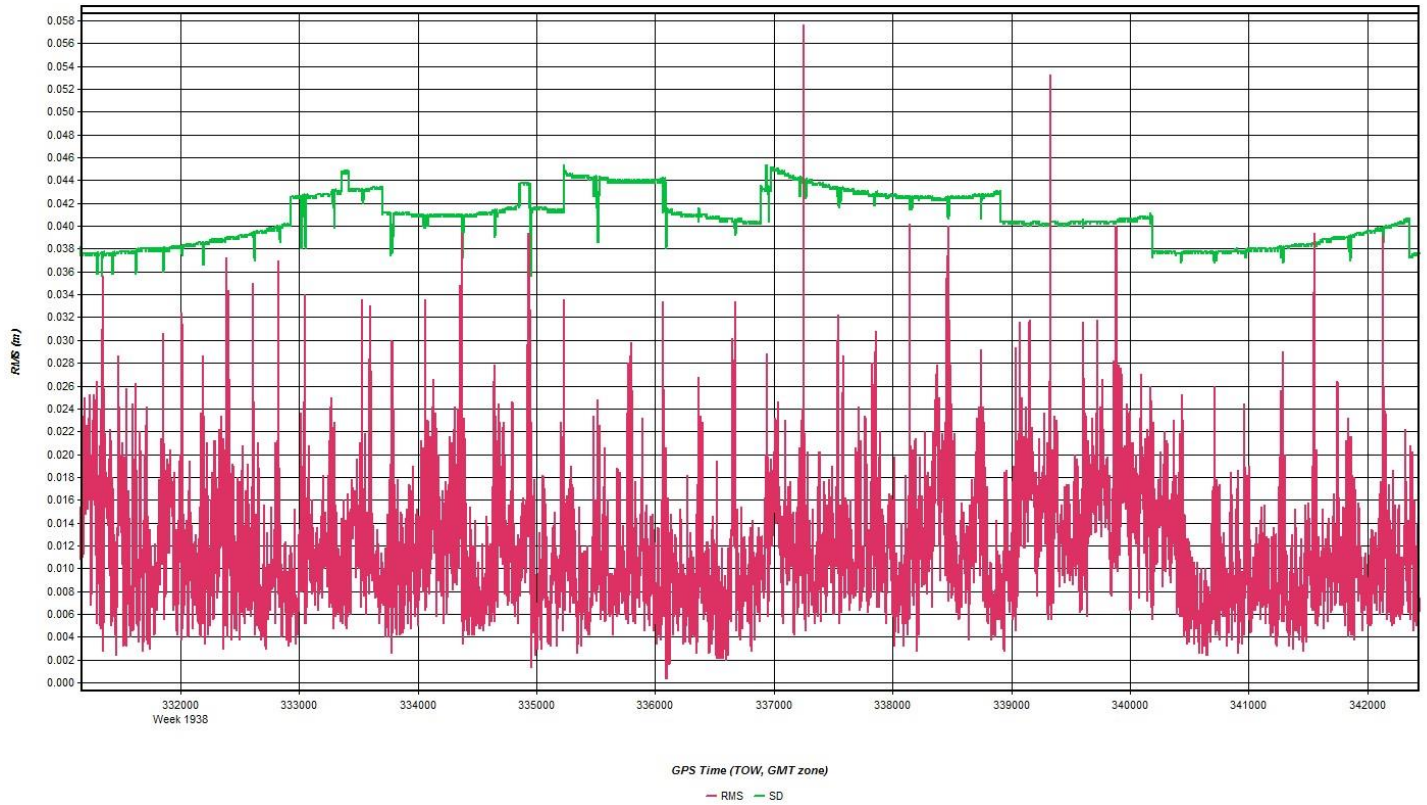
Mar 1, 2017-A (N704MD, SN8121)

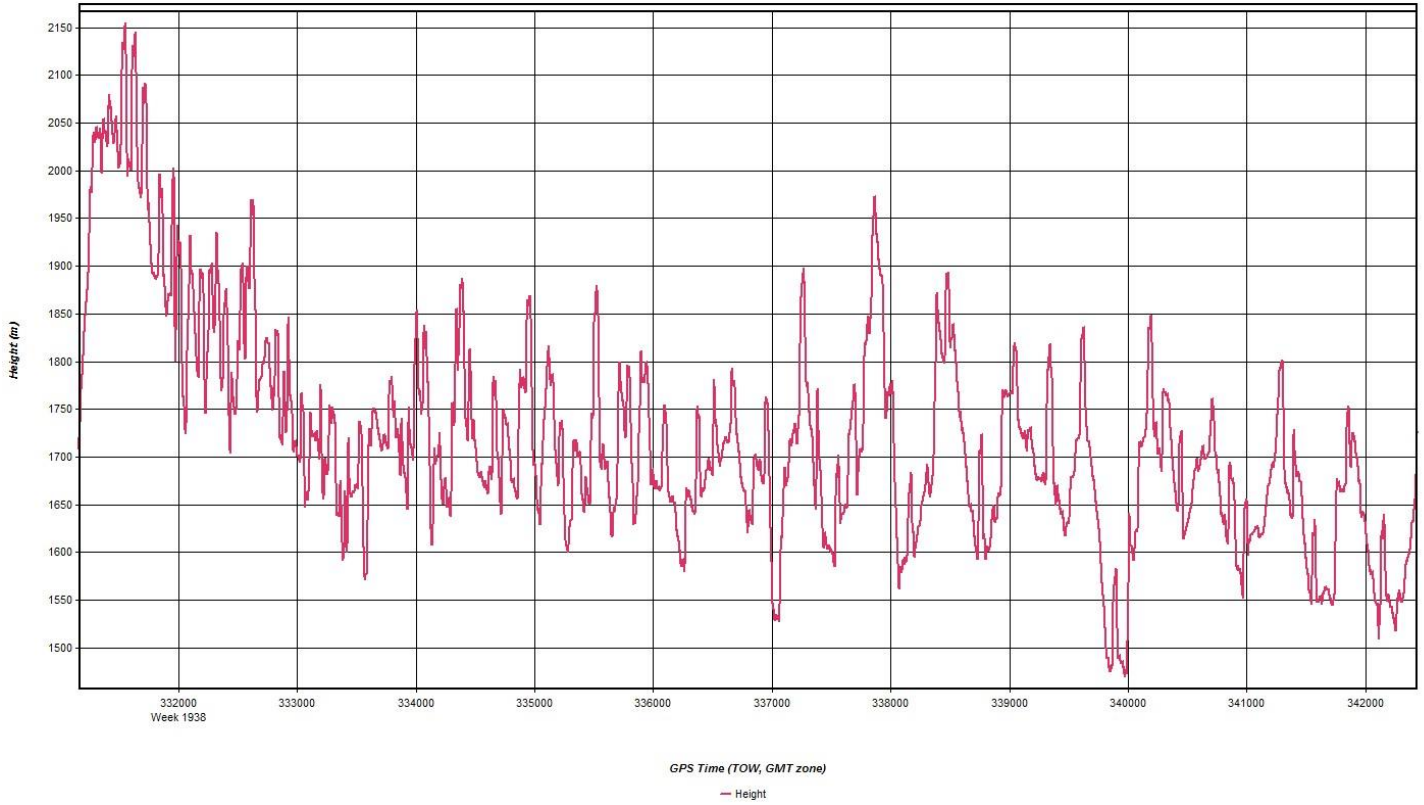


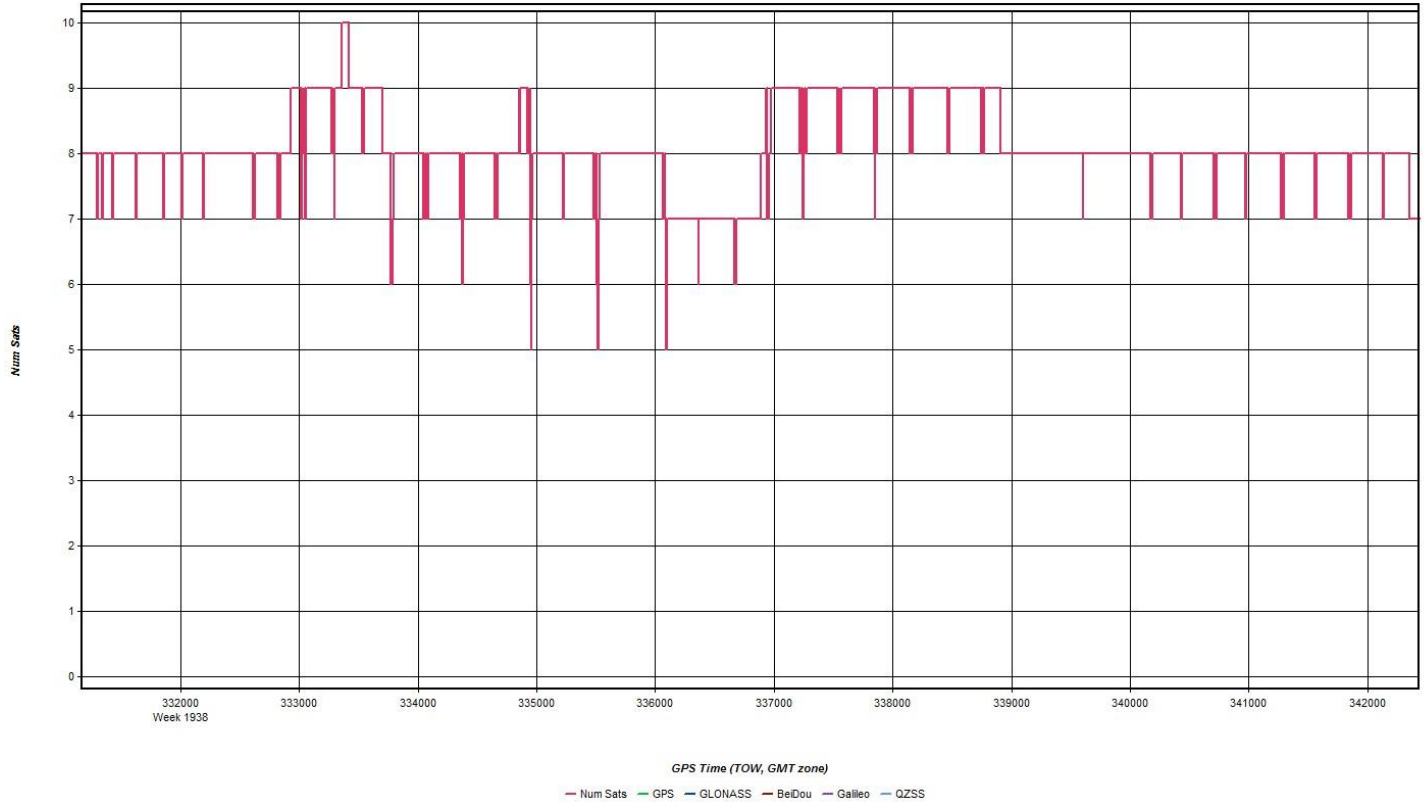


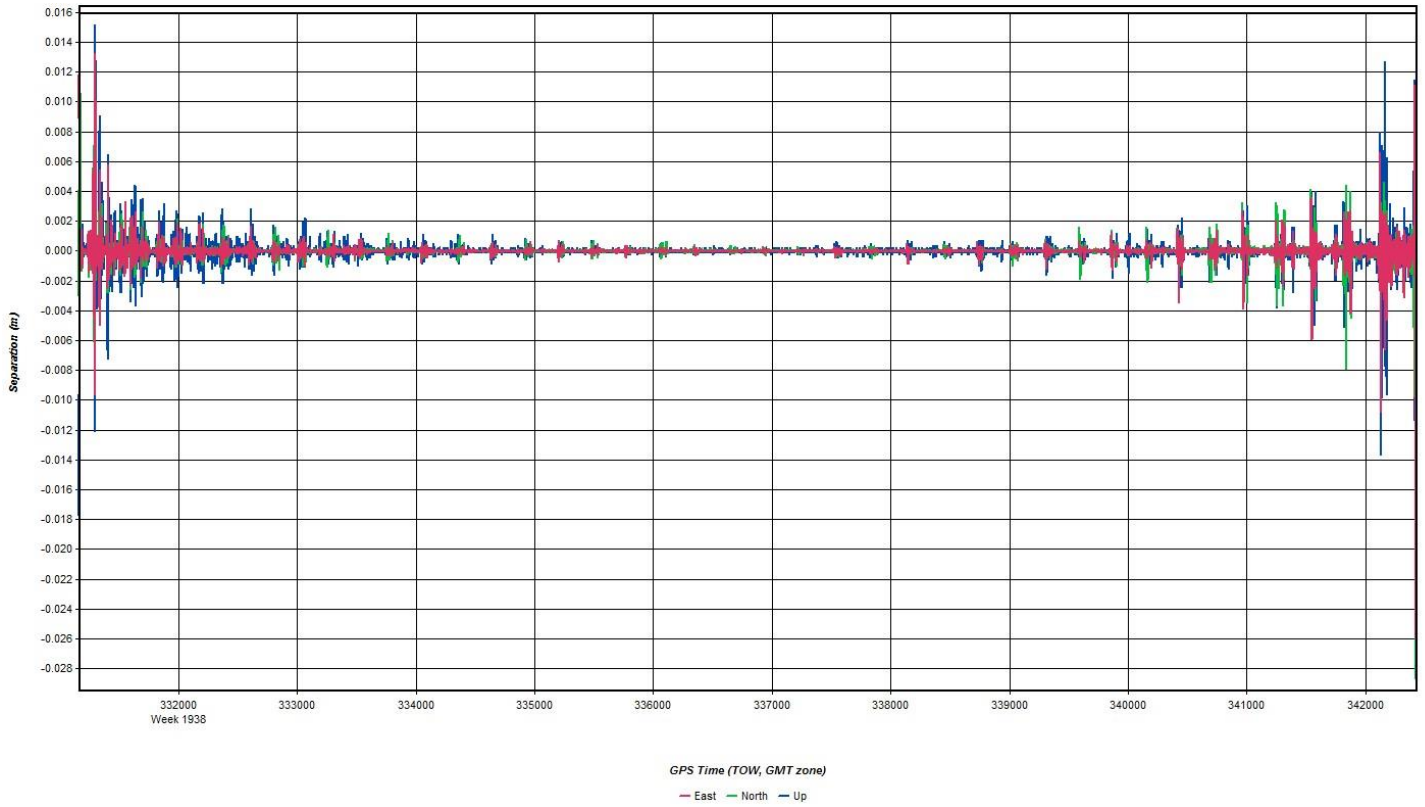


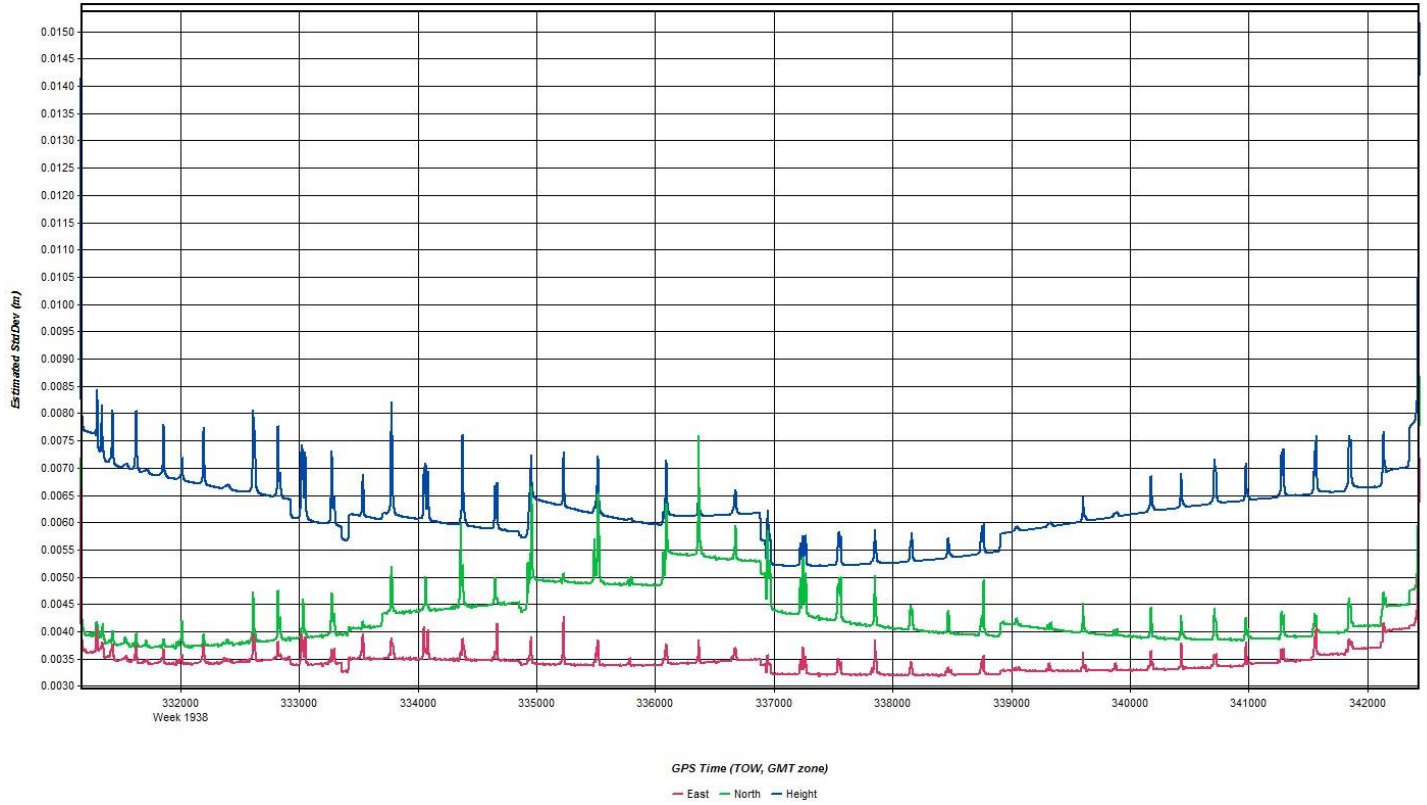


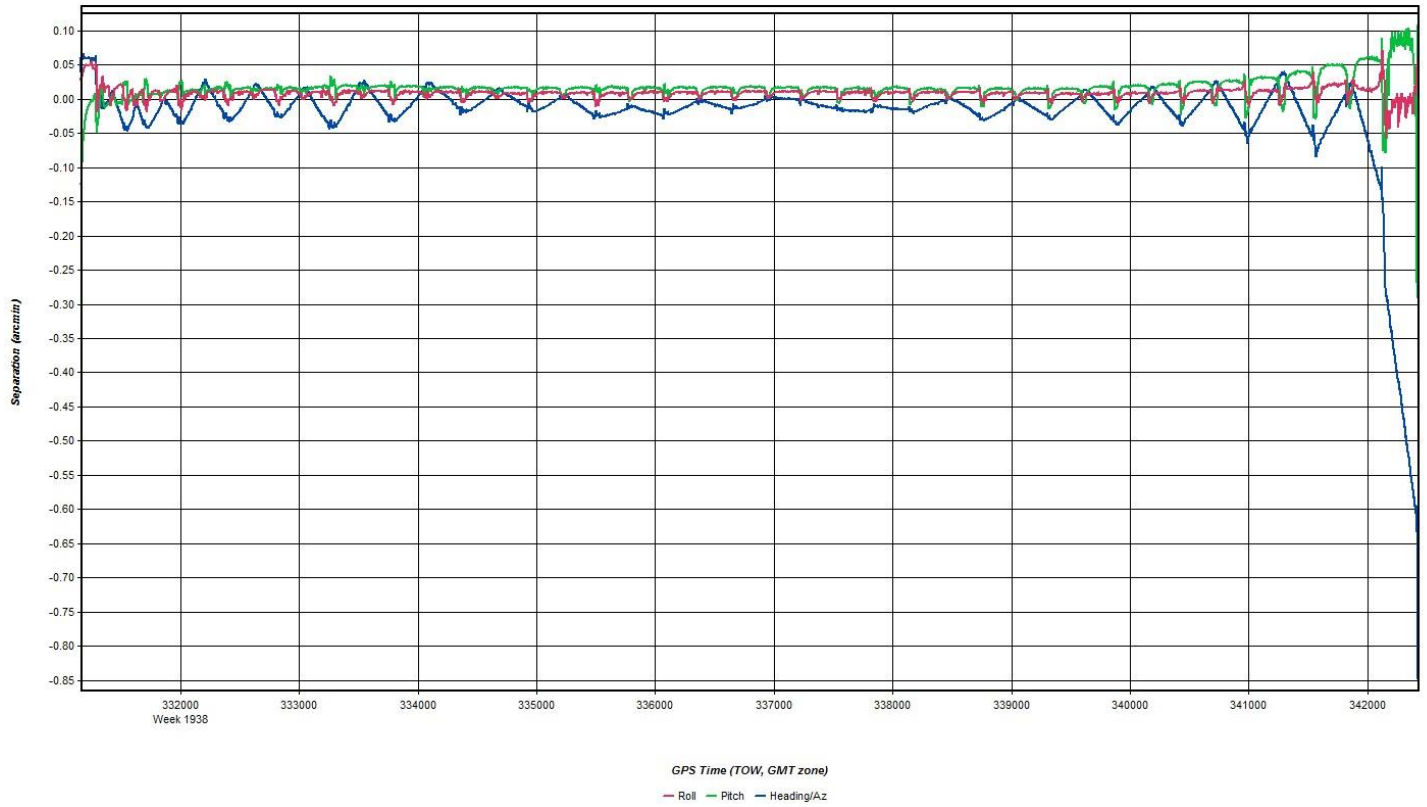












Coordinate/Antenna Settings

Master Remote

Base Station

1: P314 Name: P314 Disabled

File: F:\Proc\29724_Mendocino\20170301_SN8121_Mendocino_F1\201

Coordinates

Latitude: North 39 41 08.37750 Coord. options

Longitude: West 123 34 54.60003 Save to Favorites

Ellipsoidal height: 1252.398 m

Datum: WGS84 Proc Datum: WGS84

Epoch: year

Antenna Height

From station file: TRM29659.00, SCIT View STA File

Antenna profile: TRM29659.00, SCIT Info

Measured height: 0.008 m

ARP to L1 offset: 0.086 m

Applied height: 0.094 m

Measured to

ARP

L1 Phase Centre

Compute From Slant

OK Cancel

Flight Log

Date: 3/1/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Darin Moody			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	11:10:00 AM				
Wheels Down	4:45:00 PM				
Begin Hobbs	11701.1				
End Hobbs	11706.7				
On-line Hobbs: 4. 1			Mob Hobbs: 1.5		

Notes

Got word that we got the NTP to proceed at 1000. It just so happened that DM and I were headed toward the airport. Wheels up at 1110. We got a full flight in returning to KMCC at 1645.

Flt Mgmt File: FAGL_Mendocino_SN8121

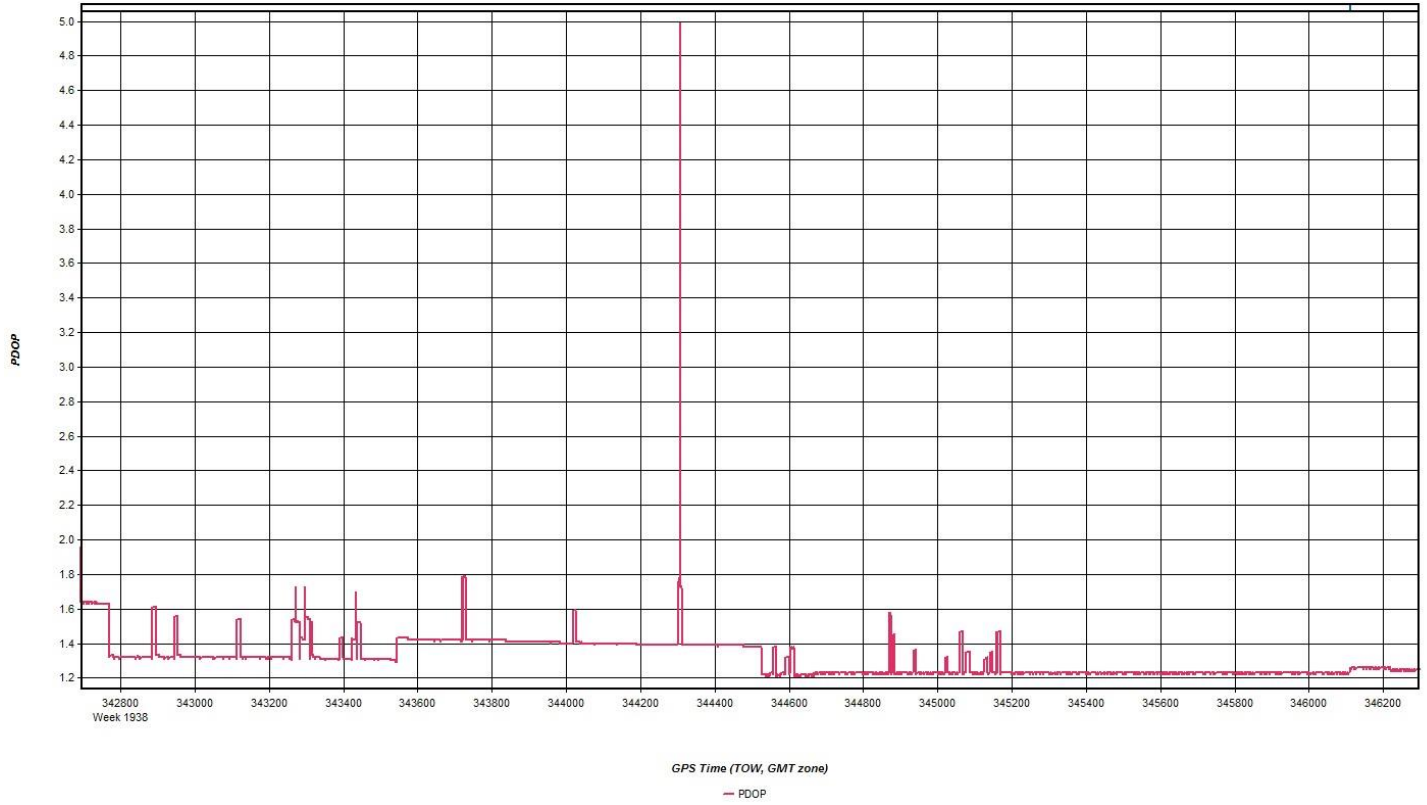
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
001	2027.955 m	20:04:28	42.82675588	2012.099 m	20:04:50	42.84429649
002	2011.668 m	20:05:48	42.87185359	2003.617 m	20:06:17	42.87241586
003	2028.036 m	20:07:13	42.89643284	1974.219 m	20:07:47	42.92132043
004	1967.716 m	20:08:41	42.94405901	1894.537 m	20:09:28	42.94278468
005	1869.829 m	20:11:12	42.96741164	1819.997 m	20:12:38	43.02174614
006	1790.074 m	20:13:33	43.03975889	1803.512 m	20:15:34	43.02842991
007	1765.481 m	20:16:43	43.04073837	1772.376 m	20:19:05	43.11159930
008	1718.516 m	20:20:12	43.12426635	1881.249 m	20:22:53	43.09572447
009	1844.932 m	20:23:53	43.10271485	1752.734 m	20:26:17	43.15488544

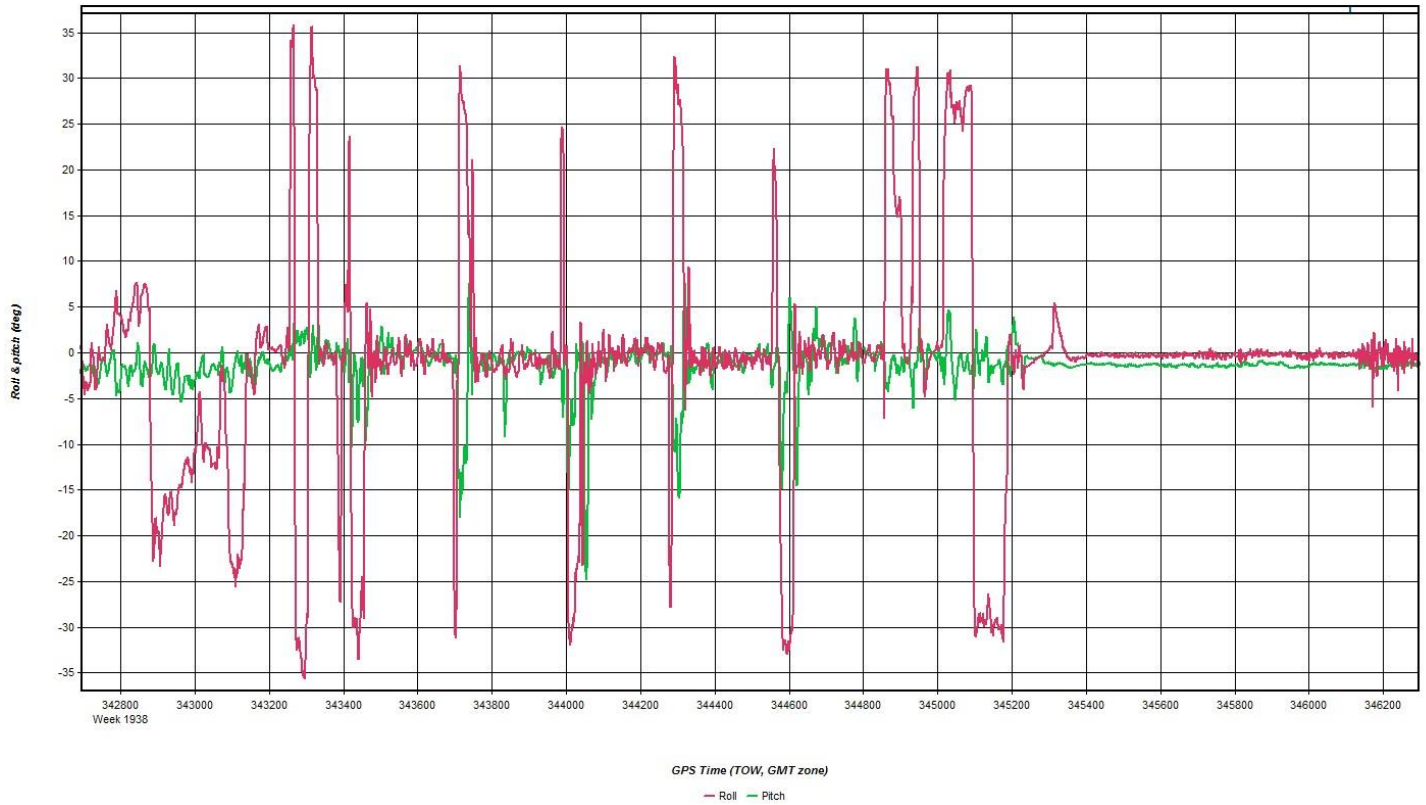
010	1722.654 m	20:27:21	43.15851781	1703.266 m	20:29:52	43.10885583
011	1656.495 m	20:31:09	43.10719561	1682.752 m	20:33:51	43.13589761
012	1730.977 m	20:35:03	43.12911239	1667.895 m	20:37:48	43.05624317
013	1576.717 m	20:39:10	43.03826069	1712.925 m	20:42:15	43.03789545
014	1760.727 m	20:43:22	43.02093581	1747.842 m	20:47:07	42.89079565
015	1733.627 m	20:48:13	42.86868262	1791.150 m	20:52:15	42.81510884
016	1748.962 m	20:53:17	42.78846408	1683.685 m	20:56:55	42.62533742
017	1699.834 m	20:57:56	42.59494570	1768.633 m	21:01:42	42.50247431
018	1768.634 m	21:02:40	42.46765701	1671.613 m	21:06:20	42.27166428
019	1624.422 m	21:07:20	42.23203321	1744.988 m	21:11:05	42.09513719
020	1767.504 m	21:12:06	42.04794743	1723.331 m	21:15:47	41.82169178
021	1677.321 m	21:16:49	41.76929392	1665.751 m	21:20:39	41.58309604
022	1663.861 m	21:21:52	41.51349535	1641.901 m	21:25:30	41.25967092
023	1664.384 m	21:26:34	41.19449213	1718.003 m	21:30:19	40.96941144
024	1722.425 m	21:31:31	40.88911302	1674.838 m	21:35:10	40.60541901
025	1625.730 m	21:36:11	40.53371017	1732.670 m	21:40:03	40.25787324
026	1806.872 m	21:41:06	40.17790652	1589.756 m	21:45:06	39.83876674
027	1641.477 m	21:46:06	39.75910197	1830.977 m	21:50:03	39.43267920
028	1908.401 m	21:51:23	39.31793258	1595.772 m	21:55:13	38.96433569
029	1600.968 m	21:56:27	38.85380202	1805.100 m	22:00:25	38.48180472
030	1827.885 m	22:01:33	38.37438914	1597.461 m	22:05:12	38.01297757
031	1623.530 m	22:06:09	37.92034803	1768.668 m	22:09:52	37.53565843
032	1734.762 m	22:11:06	37.40870656	1676.462 m	22:14:43	37.02895086
033	1679.218 m	22:15:58	36.89612782	1724.394 m	22:19:32	36.49301590
034	1774.393 m	22:20:23	36.40044519	1482.585 m	22:24:00	36.00017802
035	1493.994 m	22:25:03	35.88195135	1733.171 m	22:28:53	35.41775795
036	1747.600 m	22:29:55	35.29707834	1647.603 m	22:33:20	34.90198220

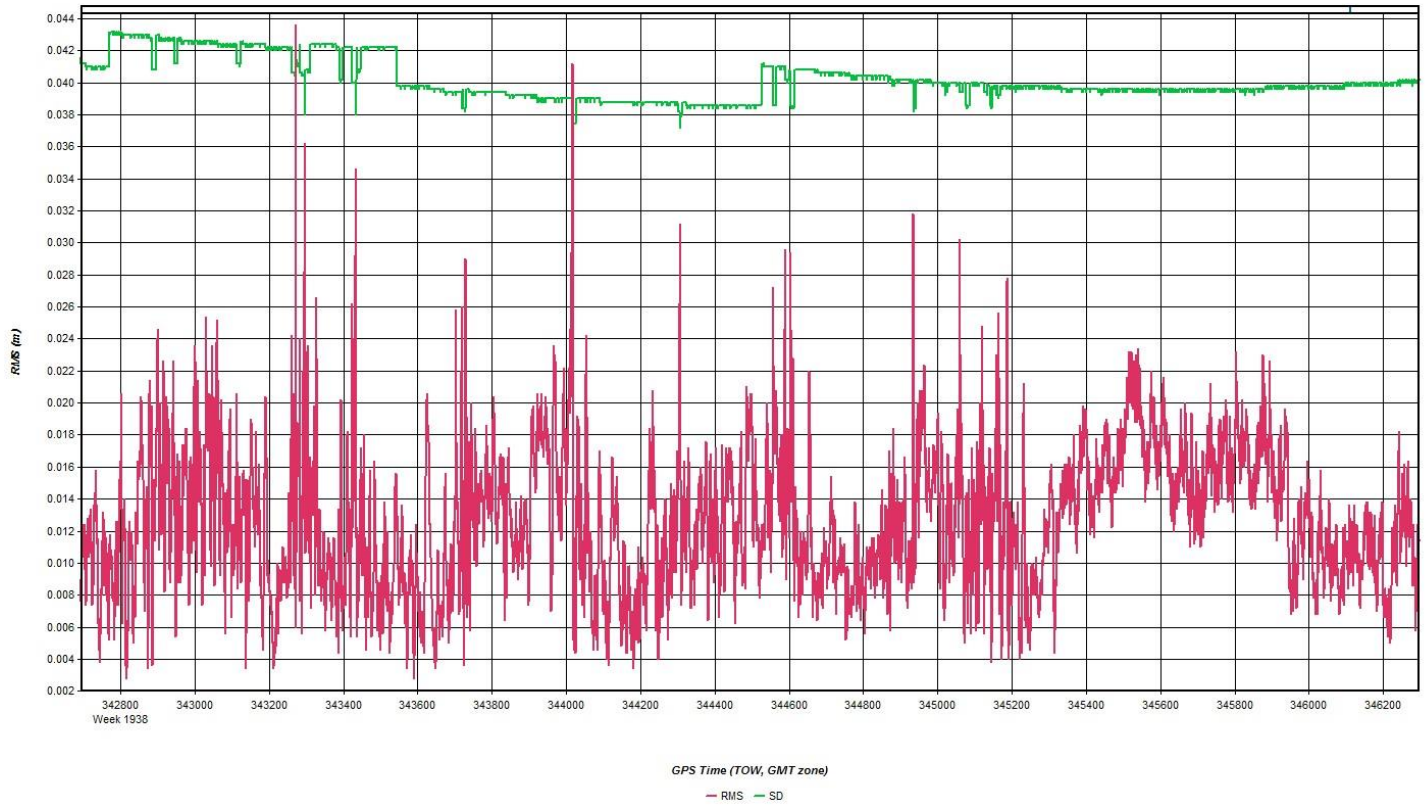
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
037	1622.543 m	22:34:16	34.79081523	1707.671 m	22:37:45	34.34074908
038	1686.354 m	22:38:56	34.19488537	1561.853 m	22:42:26	33.77379804
039	1617.089 m	22:43:24	33.65275535	1721.412 m	22:47:12	33.13454116
040	1681.884 m	22:48:23	32.98135427	1556.211 m	22:52:01	32.52774838
041	1553.860 m	22:52:59	32.40088155	1666.265 m	22:56:39	31.87290744
042	1727.783 m	22:57:54	31.70375755	1516.068 m	23:01:37	31.22401990
043	1553.023 m	23:02:48	31.06156728	1654.734 m	23:06:39	30.48064650

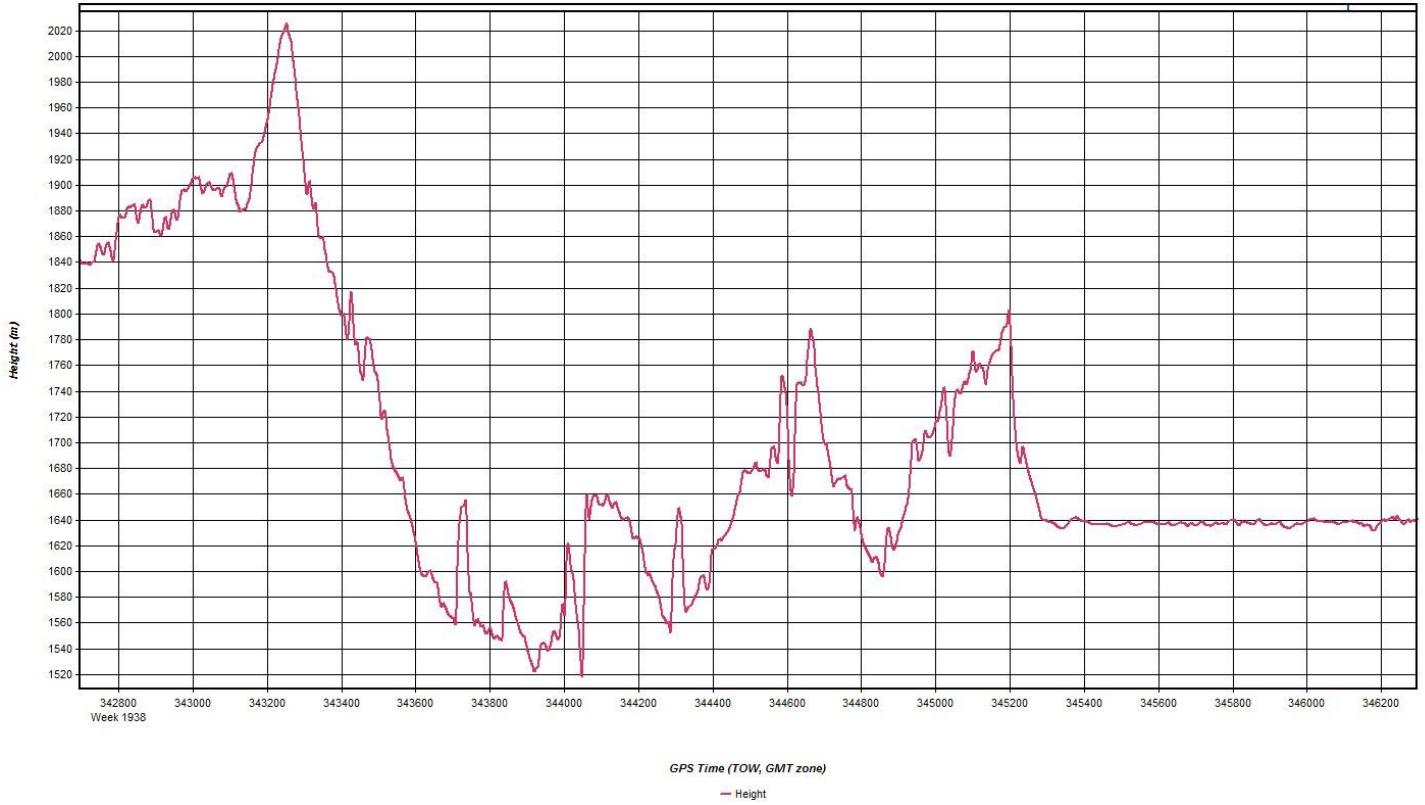
Mar 1, 2017-B (N704MD, SN8121)

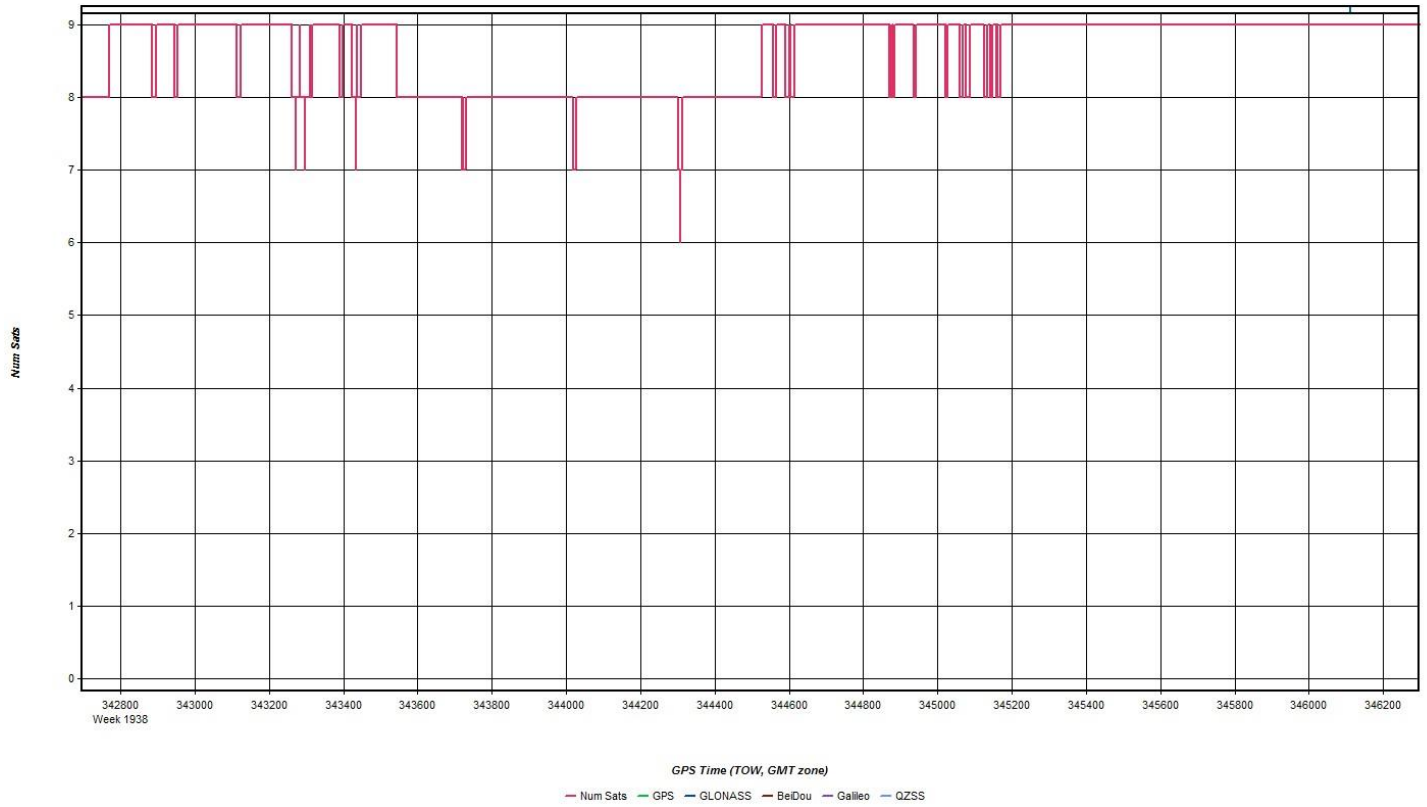


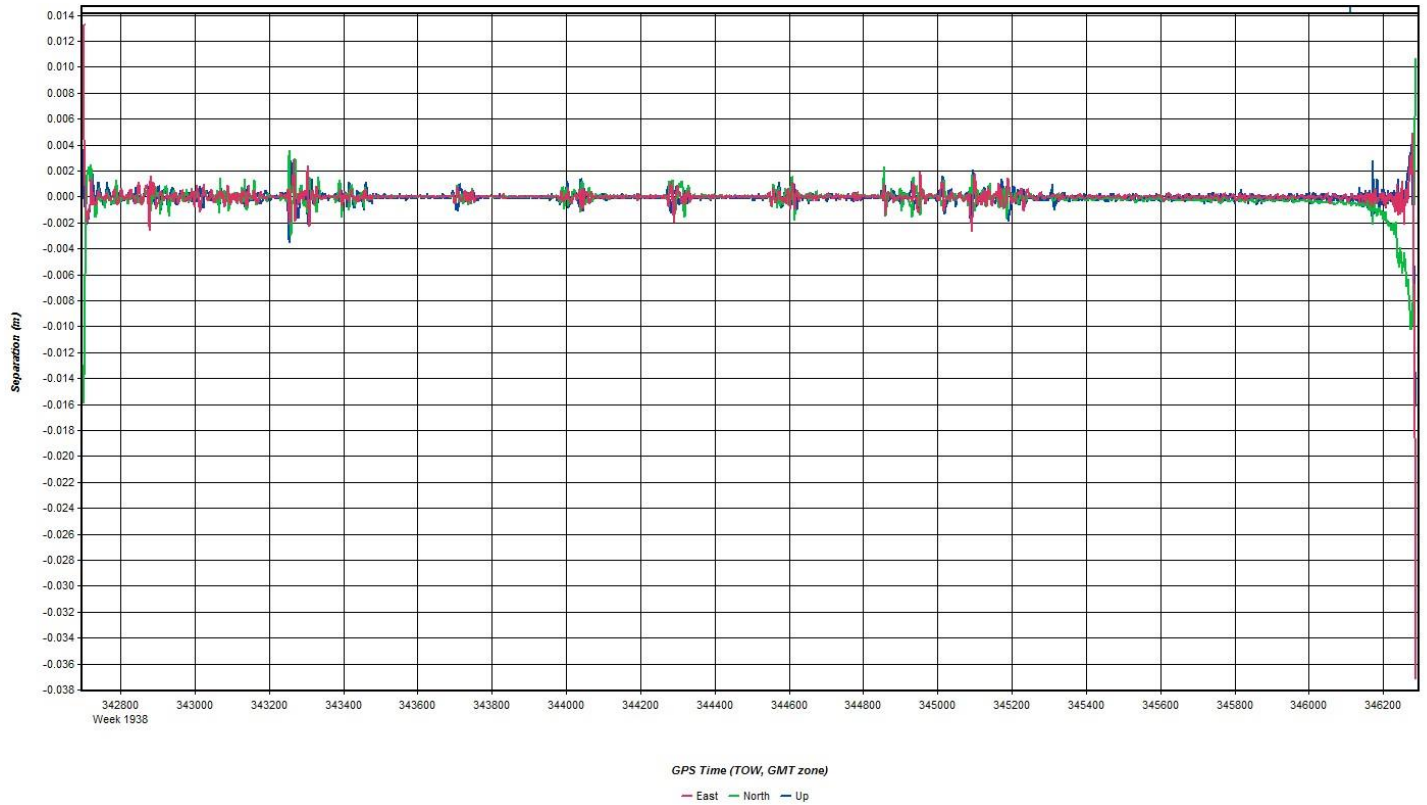


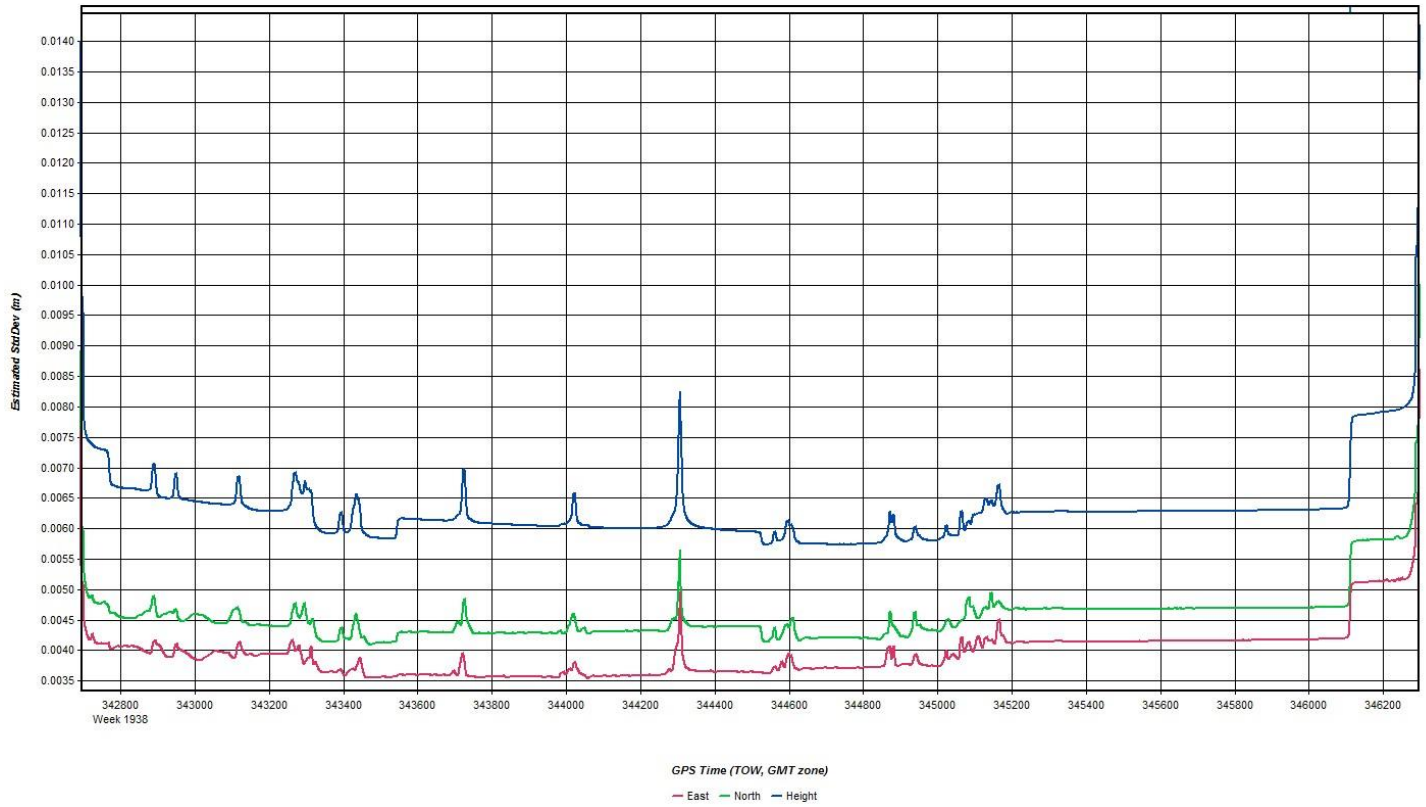














? X

Coordinate/Antenna Settings

Master Remote

Base Station

1: P185 Name: P185 Disabled

File: F:\Proc\29724_Mendocino\20170301_SN8121_Mendocino_F2\201

Coordinates

Latitude: North 39 15 40.67991 Coord. options

Longitude: West 123 44 57.55474 Save to Favorites

Ellipsoidal height: 146.834 m

Datum: WGS84 Proc Datum: WGS84

Epoch: year

Antenna Height

From station file: TRM29659.00, SCIT View STA File

Antenna profile: TRM29659.00, SCIT Info

Measured height: 0.008 m

ARP to L1 offset: 0.086 m

Applied height: 0.094 m

Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

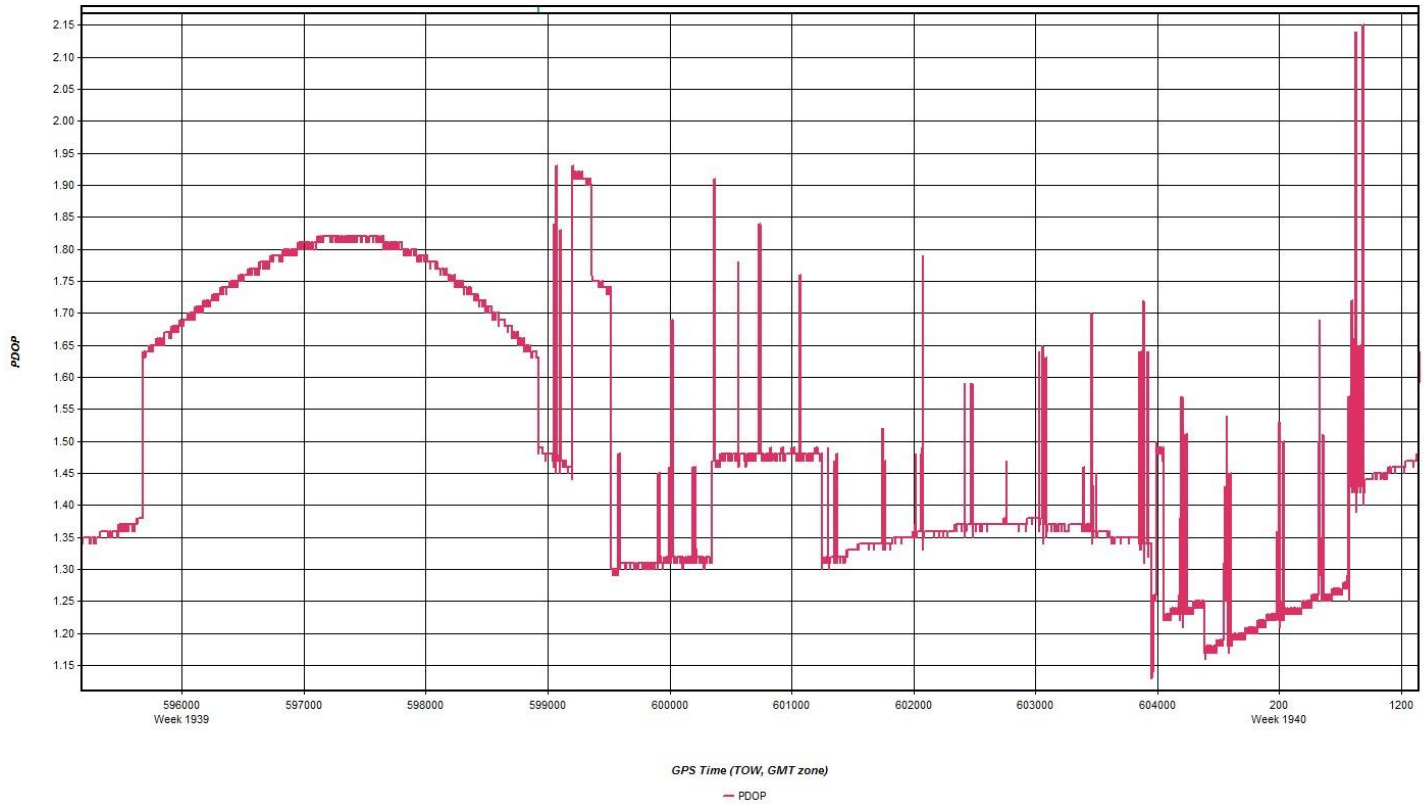
Date: 3/1/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Darin Moody			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

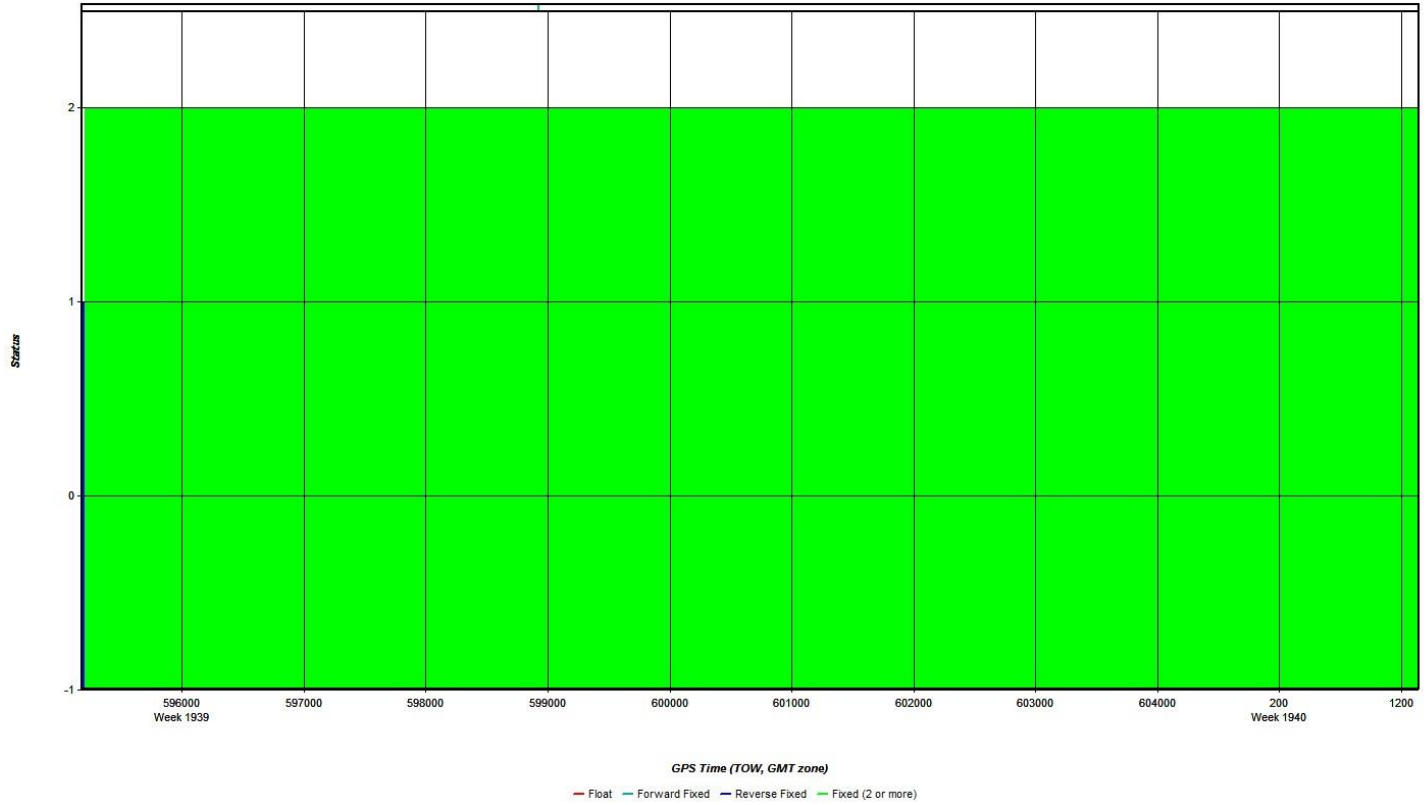
Flt Mgmt File: FAGL_Mendocino_SN8121

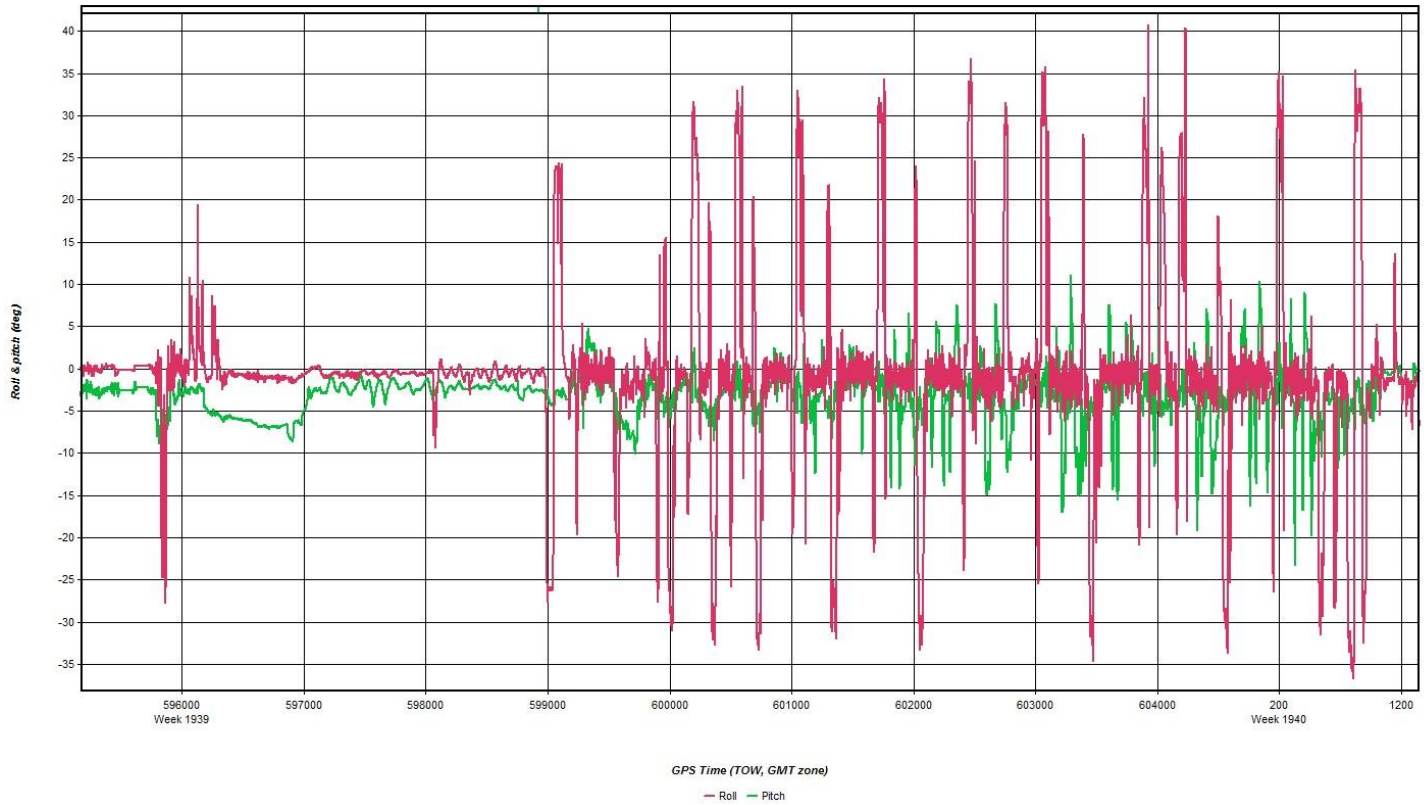
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
041	1776.887 m	23:24:21	27.87800054	1566.152 m	23:28:00	27.37141145
042	1561.428 m	23:29:00	27.22117374	1549.635 m	23:32:47	26.58884648
043	1617.125 m	23:33:57	26.41013208	1562.857 m	23:37:40	25.88314316
044	1574.536 m	23:38:38	25.73386662	1693.099 m	23:42:19	25.09653601
045	1747.878 m	23:43:33	24.90219117	1597.461 m	23:47:19	24.35890556
UL002	1691.939 m	23:48:53	24.10206497	1739.749 m	23:50:01	23.88821306

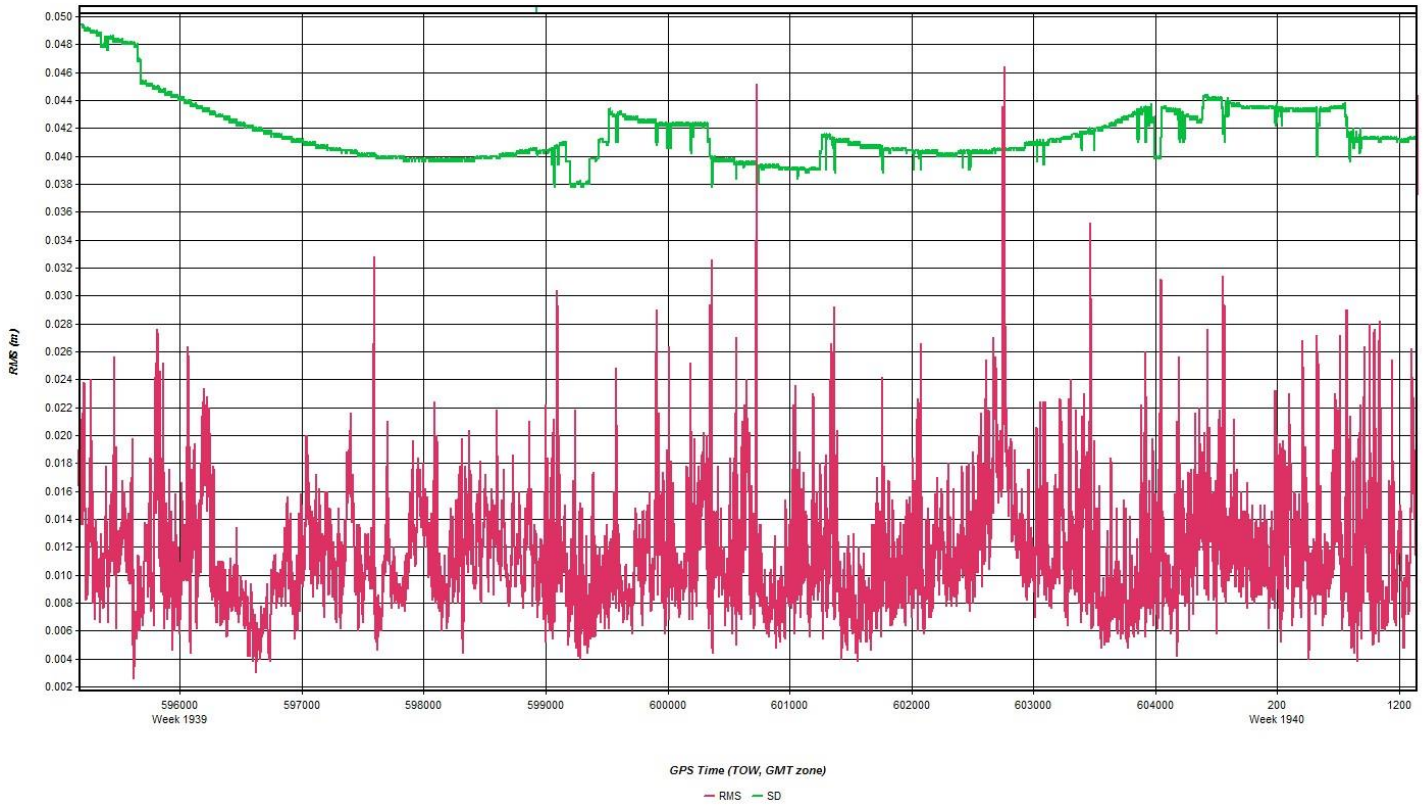
Mar 11, 2017-A (N704MD, SN8121)

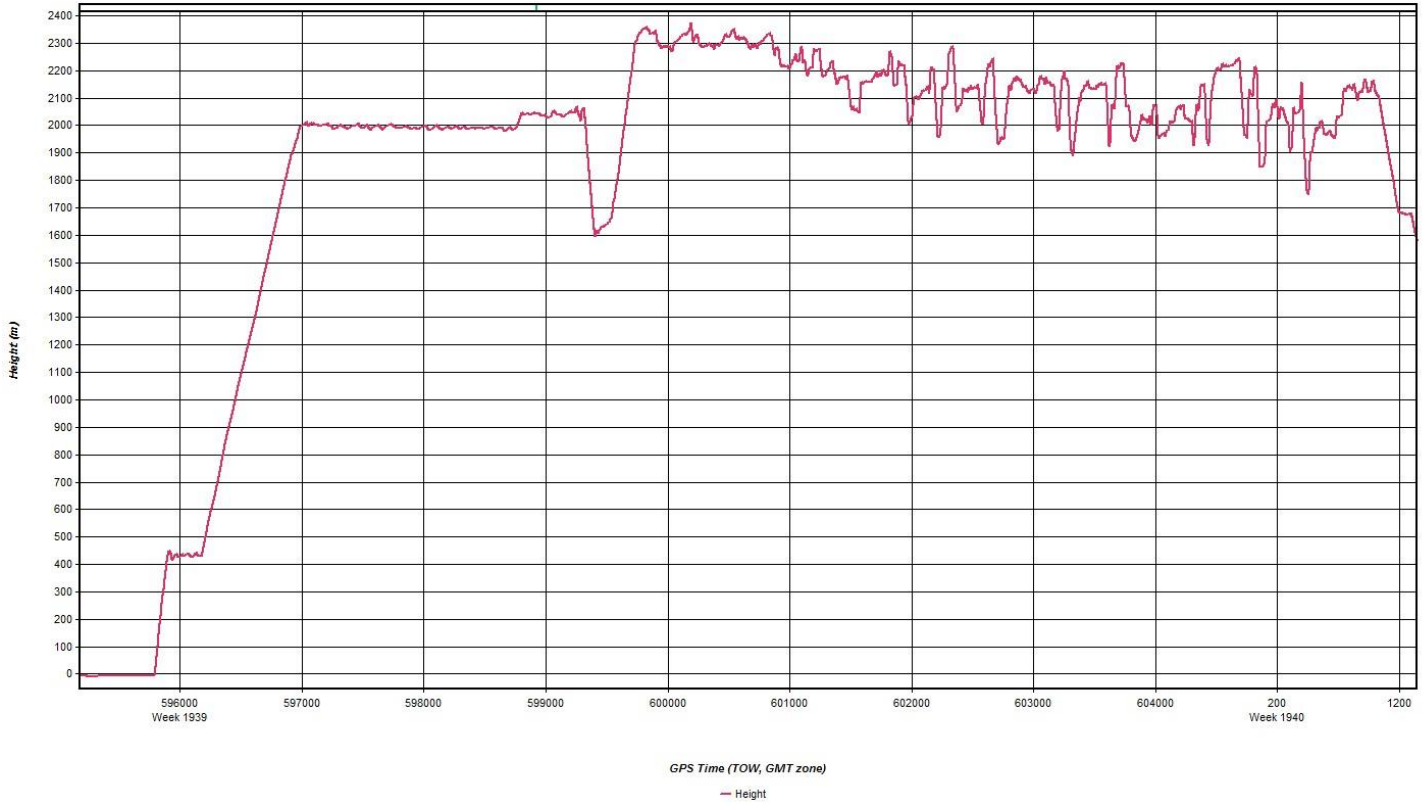


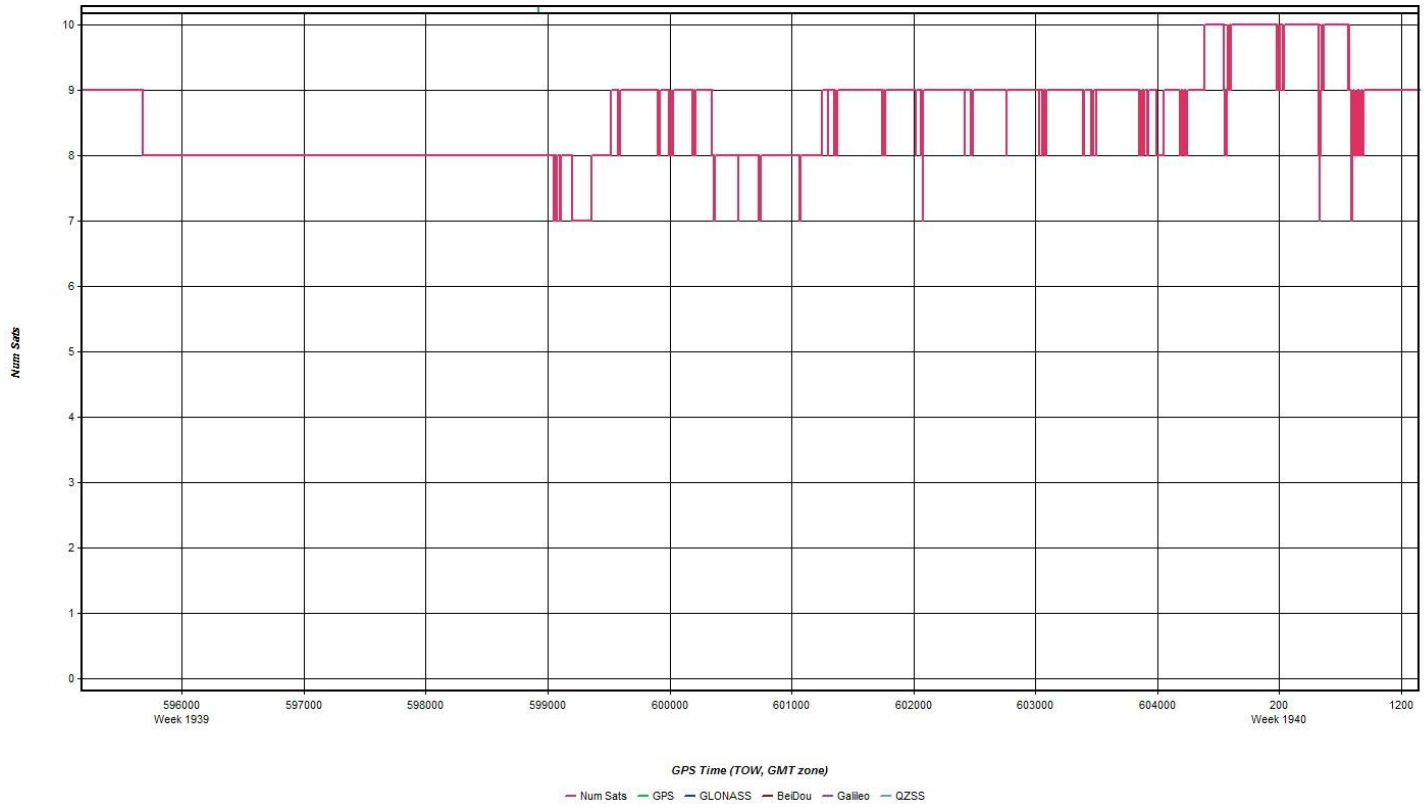


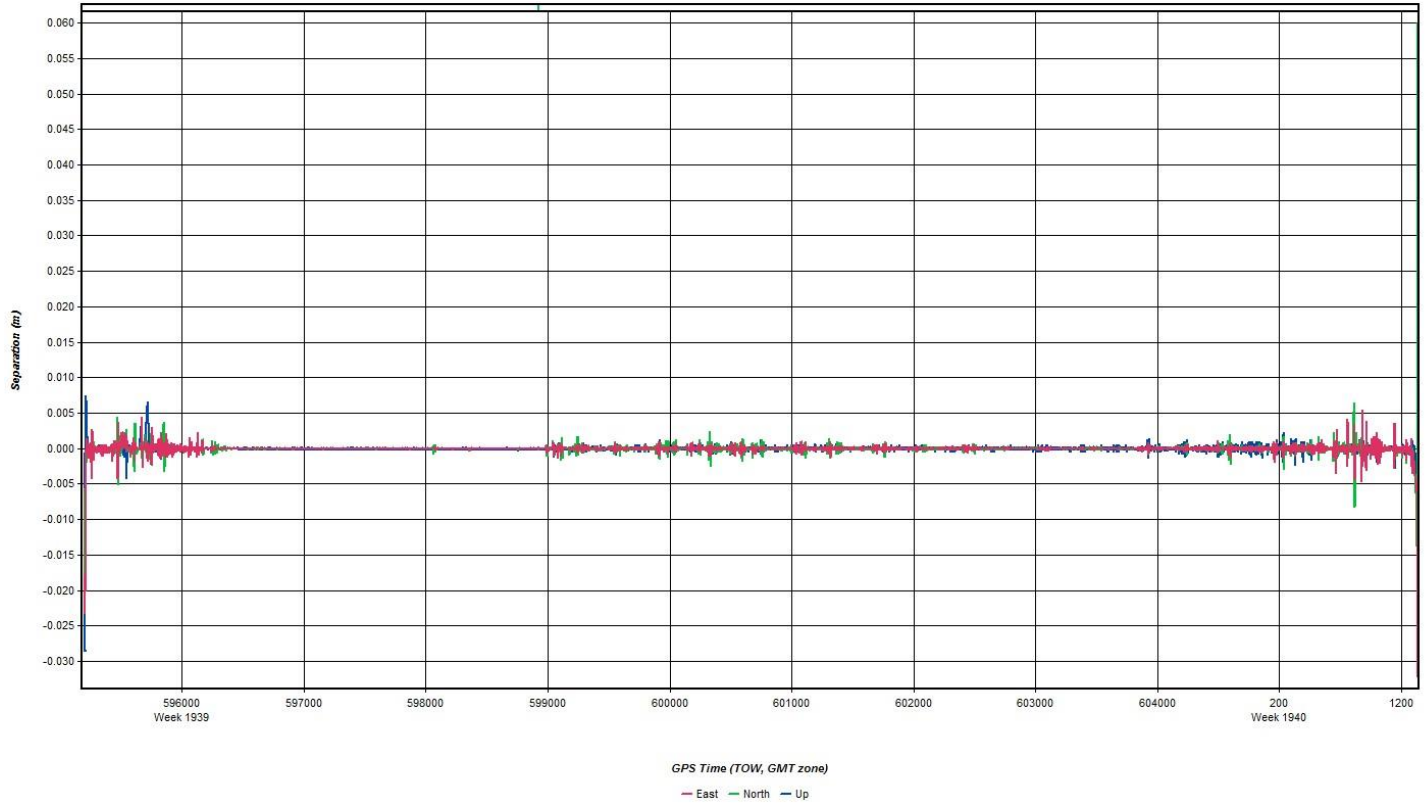


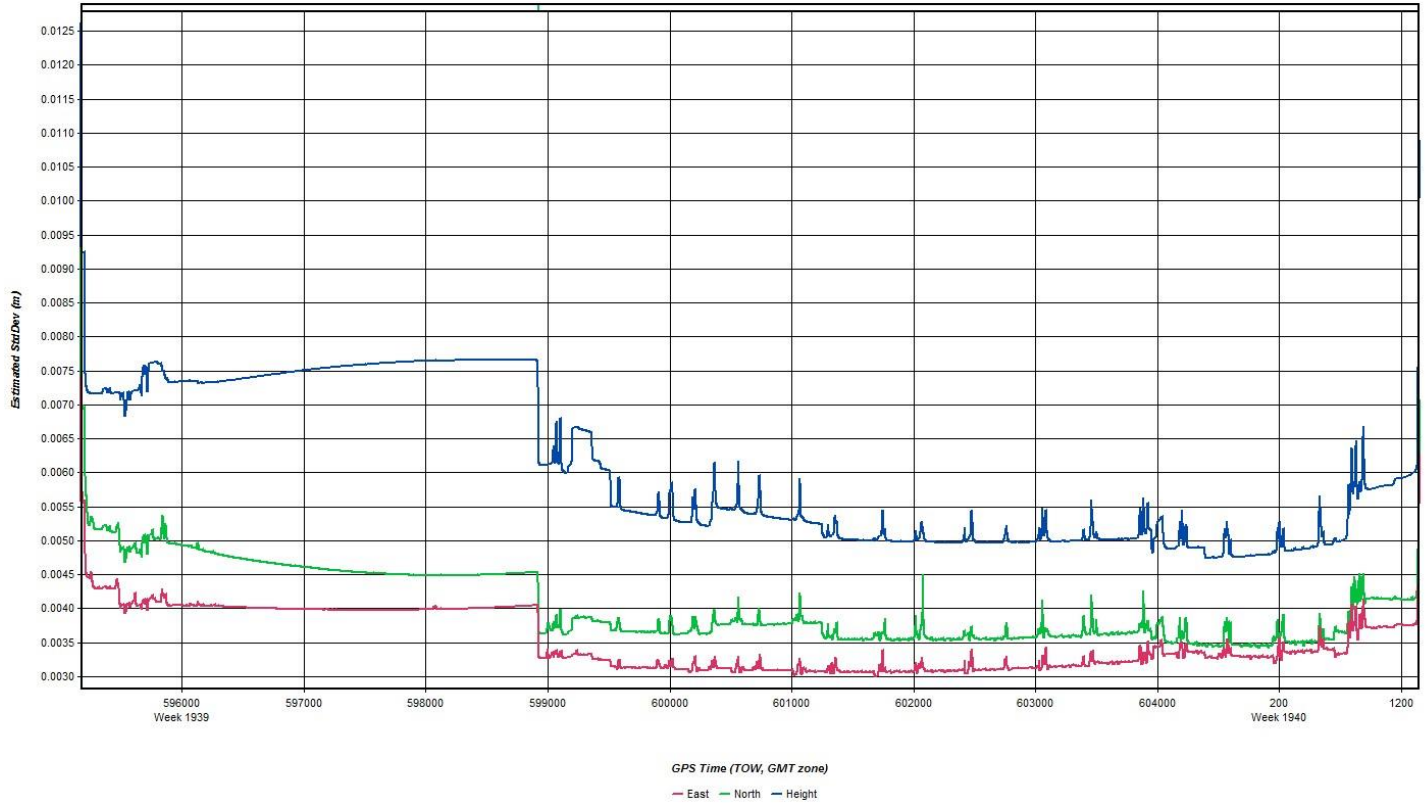


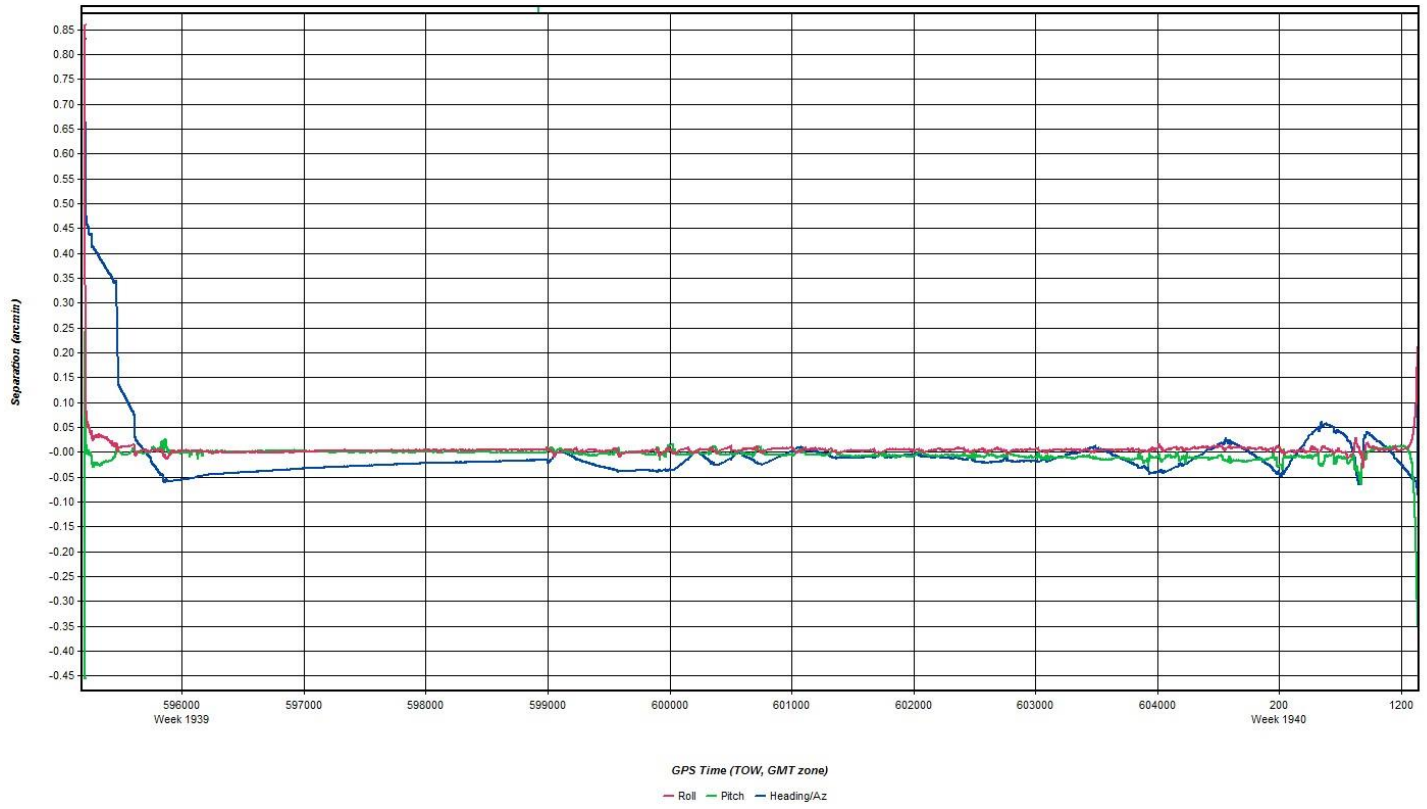












Coordinate/Antenna Settings

Master Remote

Base Station
 1: P190 Name: P190 Disabled
 File: F:\Proc\29724_Mendocino\20170311_SN8121_Mendocino_USGS_

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings

Master Remote

Base Station
 2: P314 Name: P314 Disabled
 File: F:\Proc\29724_Mendocino\20170311_SN8121_Mendocino_USGS_

Coordinates
 Latitude: North 39 41 08.37750 Coord. options
 Longitude: West 123 34 54.60003 Save to Favorites
 Ellipsoidal height: 1252.398 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM29659.00, SCIT View STA File
 Antenna profile: TRM29659.00, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.086 m
 Applied height: 0.094 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 3/11/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Eric Petersen			Sensor Operator: Jon Frech		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	9:55:00 AM	1:17:00 PM			
Wheels Down	11:40:00 AM	4:50:00 PM			
Begin Hobbs	11729.7	11732.3			
End Hobbs	11732.3	11735.3			
On-line Hobbs: 2			Mob Hobbs: 1.9		

Notes

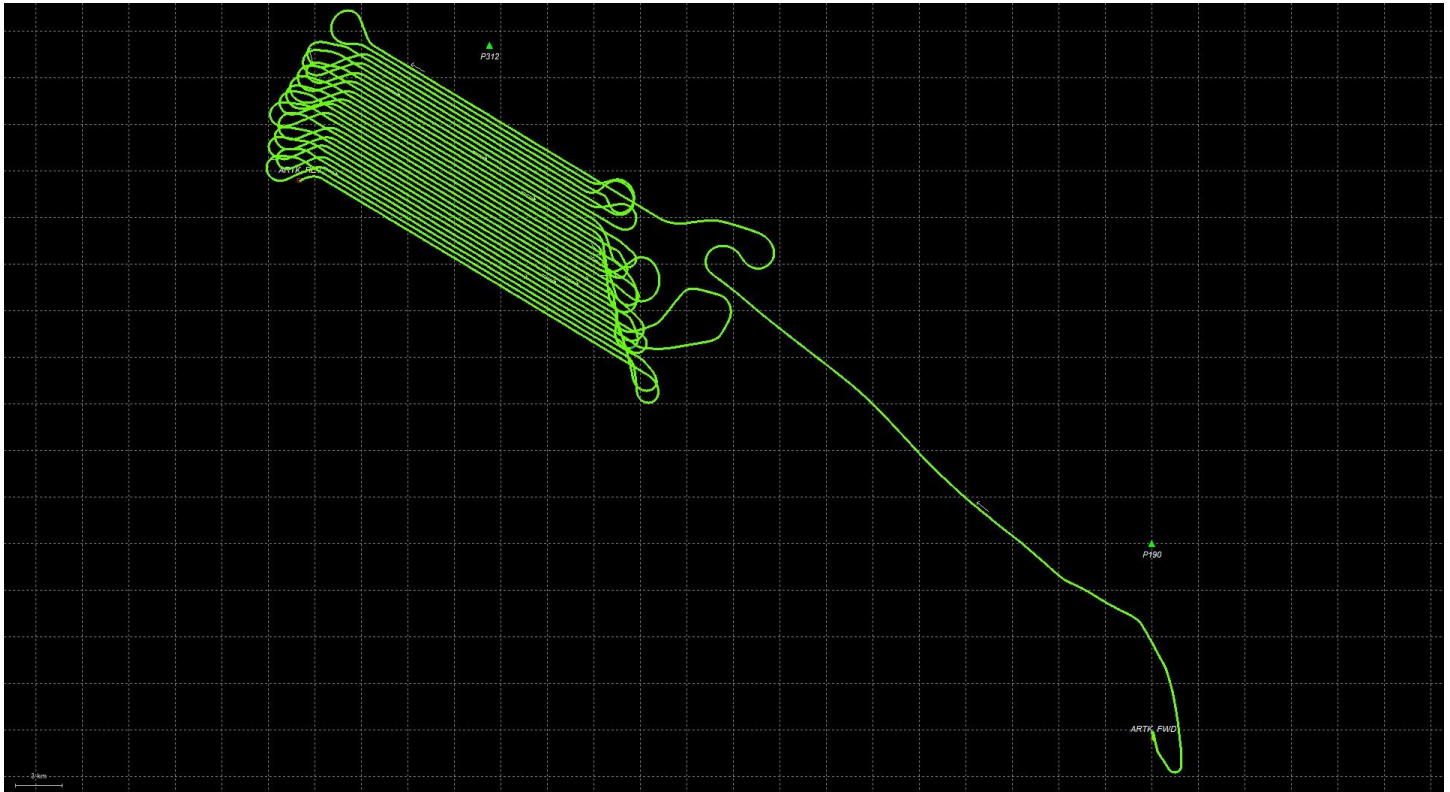
Mobed to UKI with a stop at MCC en route to drop off CPB and the gear. Tried to start on the coastal lines but there were clouds on the last half mile of those along the ocean. Flew line 254 also but blew the range gate at the end so will start by refling this tomorrow.

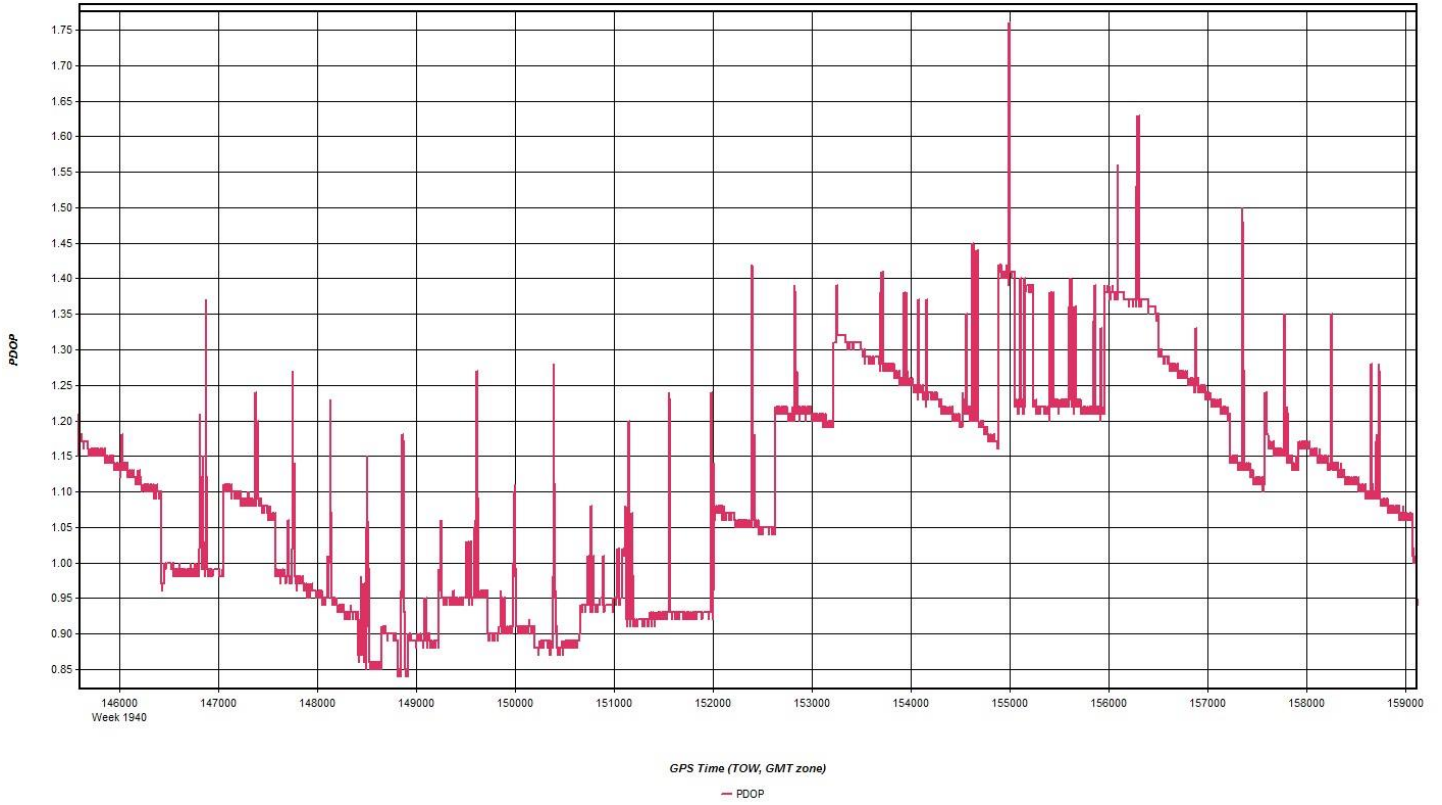
Flt Mgmt File: FAGL_Mendocino_SN8121

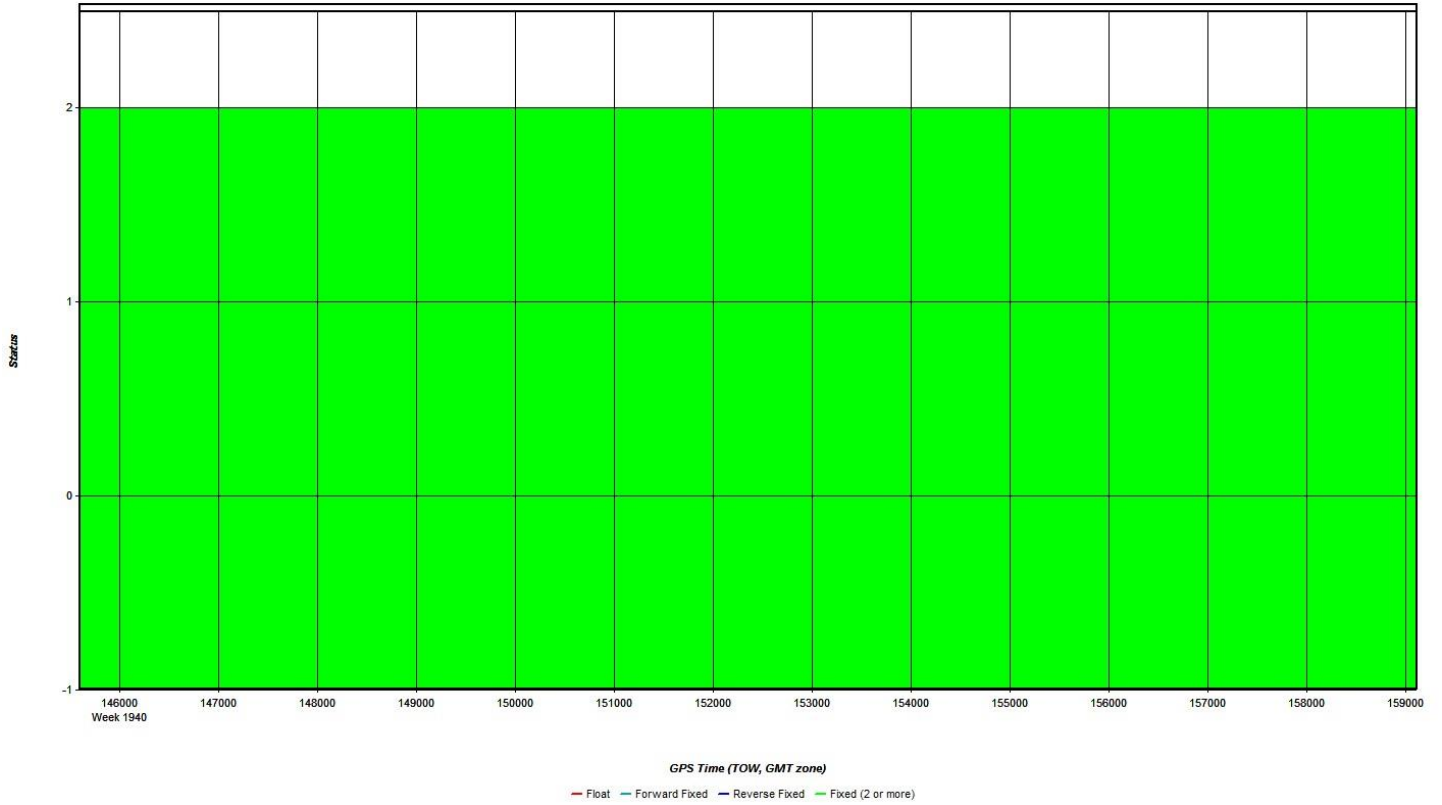
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
046	2054.858 m	22:27:58	38.63936498	1678.771 m	22:32:06	38.13767015
240	2295.222 m	22:38:34	37.09391728	2281.385 m	22:38:55	37.04416481
241	2319.536 m	22:41:16	36.73091972	2335.544 m	22:41:50	36.65889263
242	2289.920 m	22:44:19	36.32459216	2292.024 m	22:45:02	36.21971881
243	2297.921 m	22:46:53	35.96716663	2323.462 m	22:48:00	35.82157712
244	2324.934 m	22:49:58	35.54957647	2281.680 m	22:50:58	35.39838060
245	2324.496 m	22:53:06	35.09755274	2285.720 m	22:54:34	34.90241356
246	2240.417 m	22:58:25	34.36879464	2184.201 m	23:01:16	33.91999404

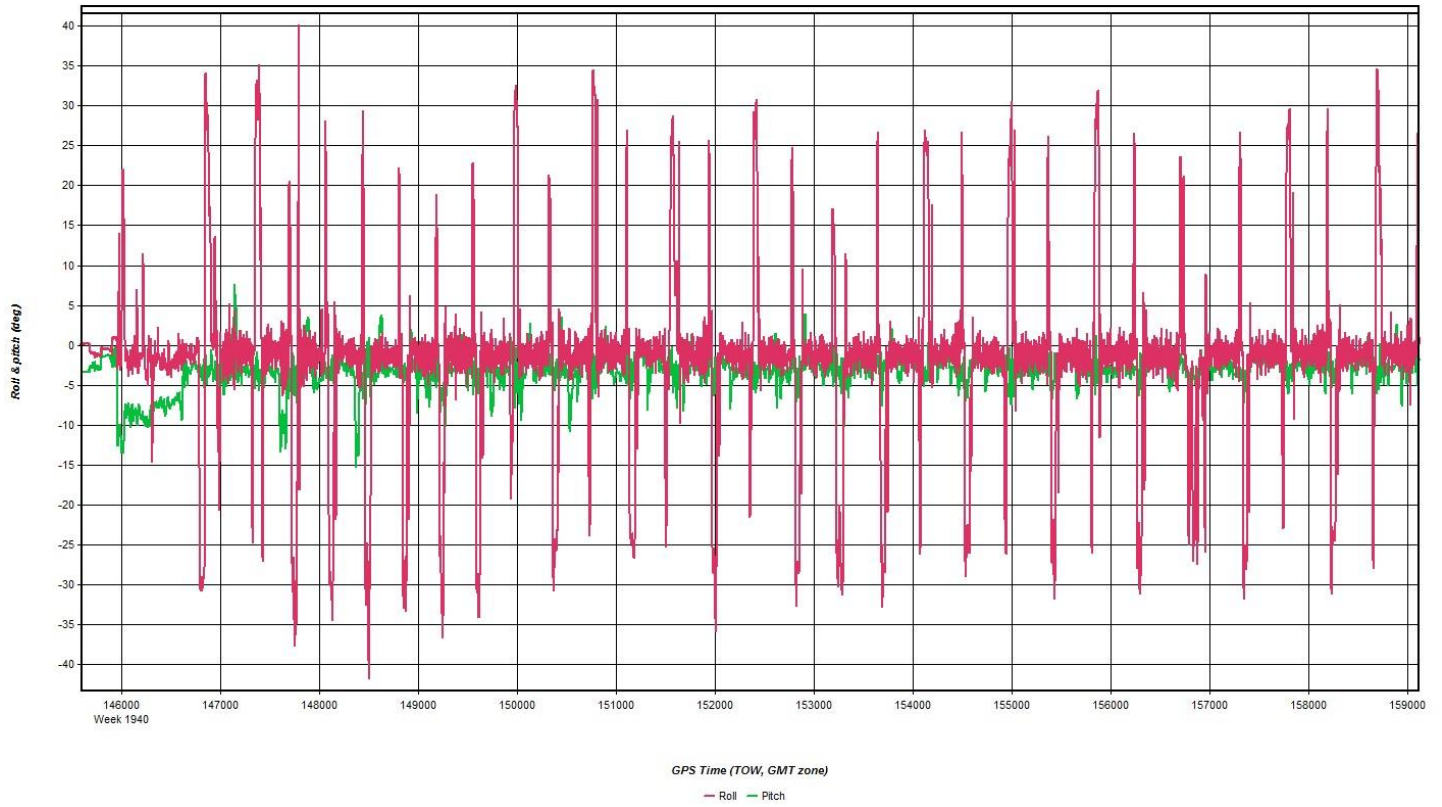
247	2172.772 m	23:03:32	33.58869124	2161.623 m	23:07:30	33.04250175
248	2186.462 m	23:09:29	32.74799311	2029.195 m	23:13:05	32.15581292
249	2143.470 m	23:15:19	31.81602740	2077.982 m	23:19:47	31.17704819
250	2139.360 m	23:21:37	30.89445059	1955.839 m	23:25:25	30.24165650
250	2154.033 m	23:32:01	29.24897233	2102.095 m	23:36:00	28.54516519
251	2145.859 m	23:39:05	28.04445712	1950.205 m	23:43:44	27.34536987
252	2033.676 m	23:45:37	27.03697458	1953.986 m	23:46:48	26.82026964
252	2023.819 m	23:50:28	26.23010425	2182.432 m	23:54:27	25.48982005
253	2220.397 m	23:56:57	25.06190481	2025.746 m	00:02:06	24.26593514
254	2053.311 m	00:03:55	23.95755325	1991.145 m	00:08:20	23.11030876
UL001	1955.345 m	00:10:52	22.70196525	2126.709 m	00:12:24	22.38891329

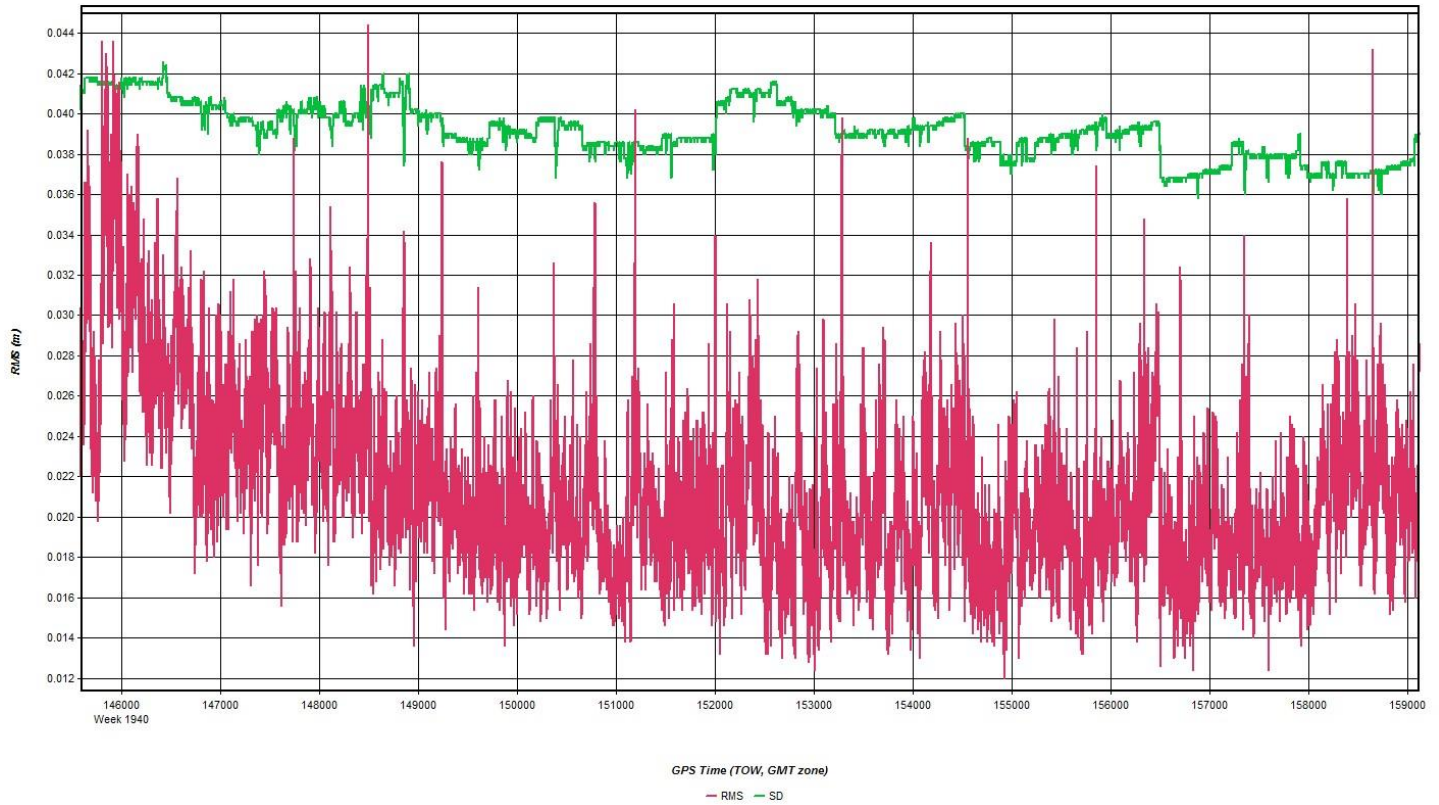
Mar 13, 2017-A (N704MD, SN8121)

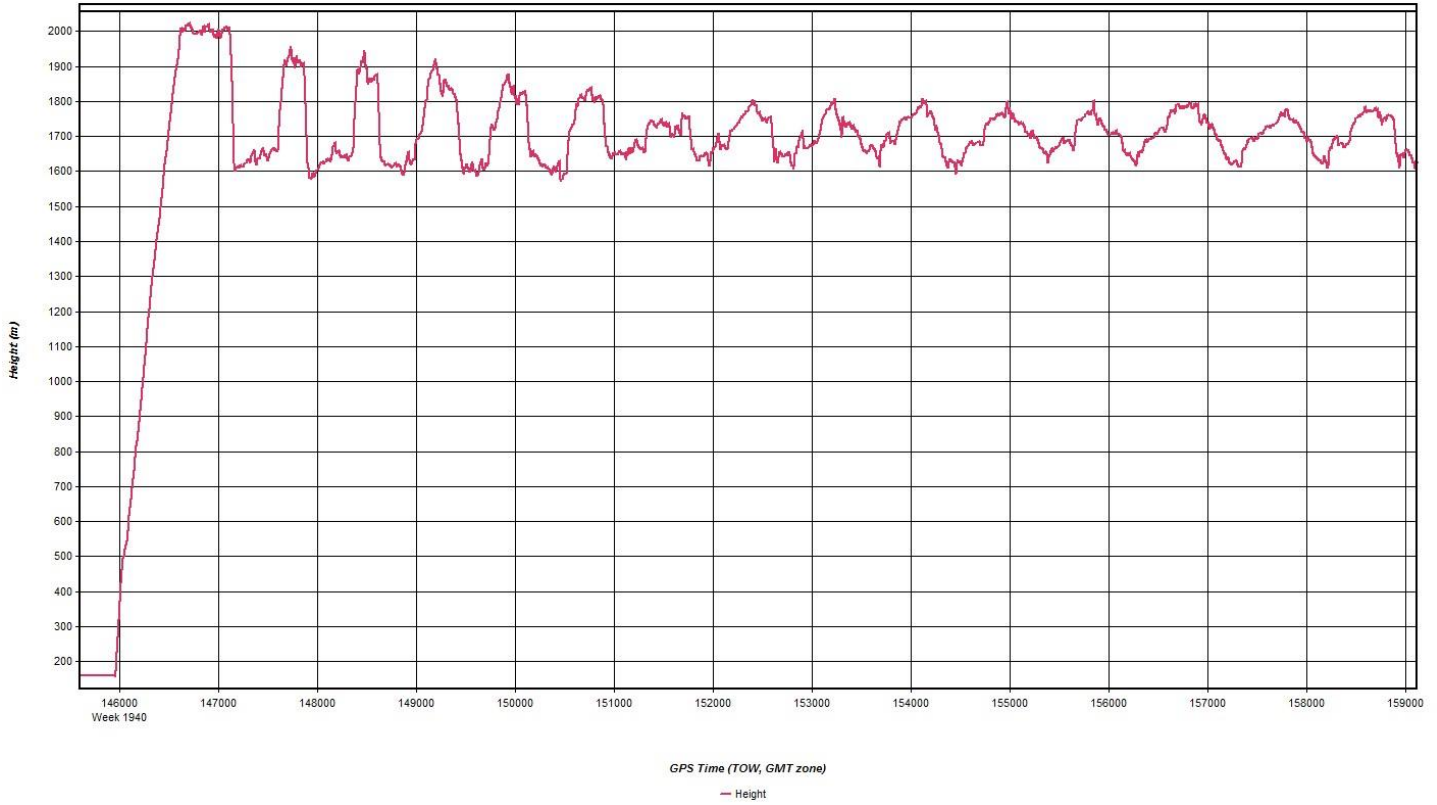


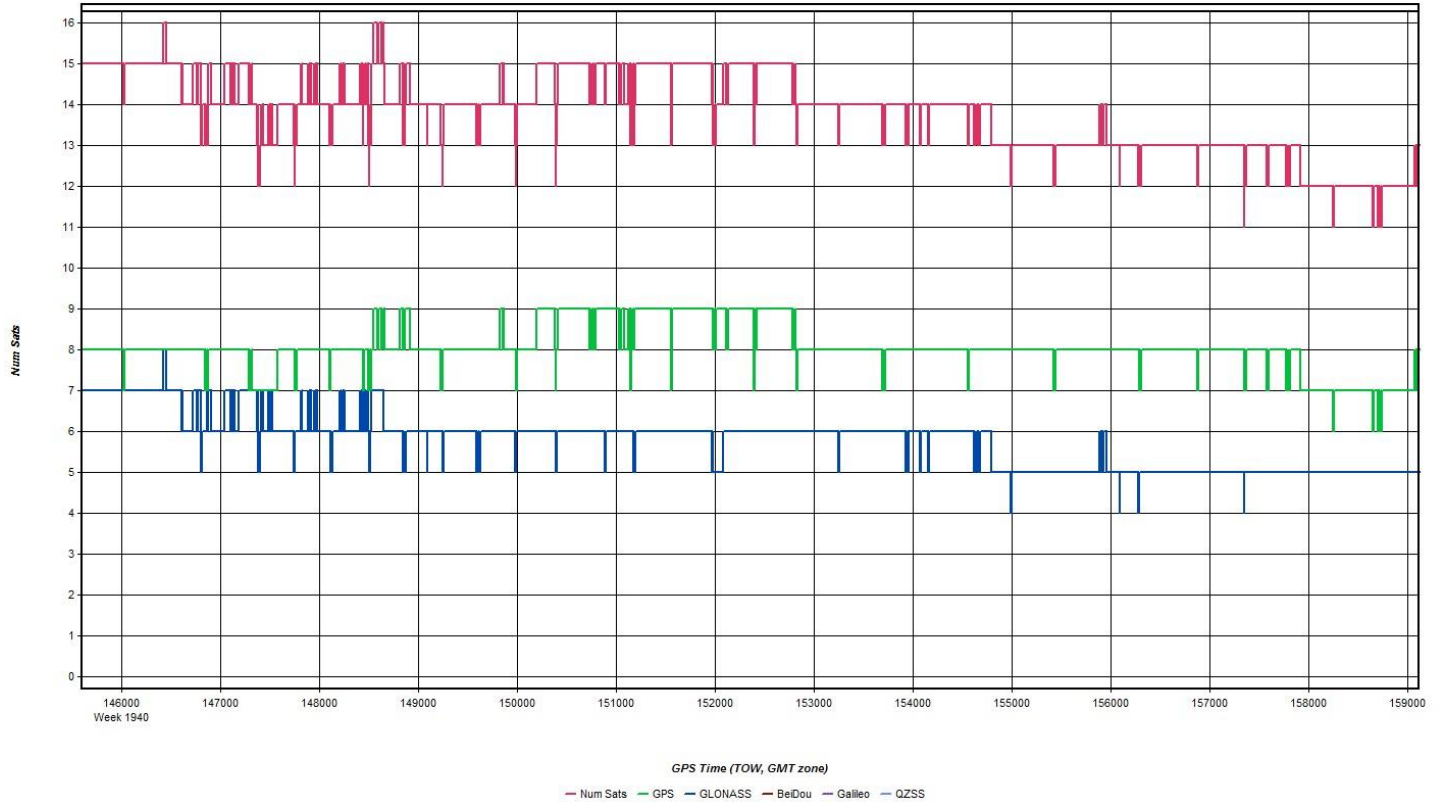


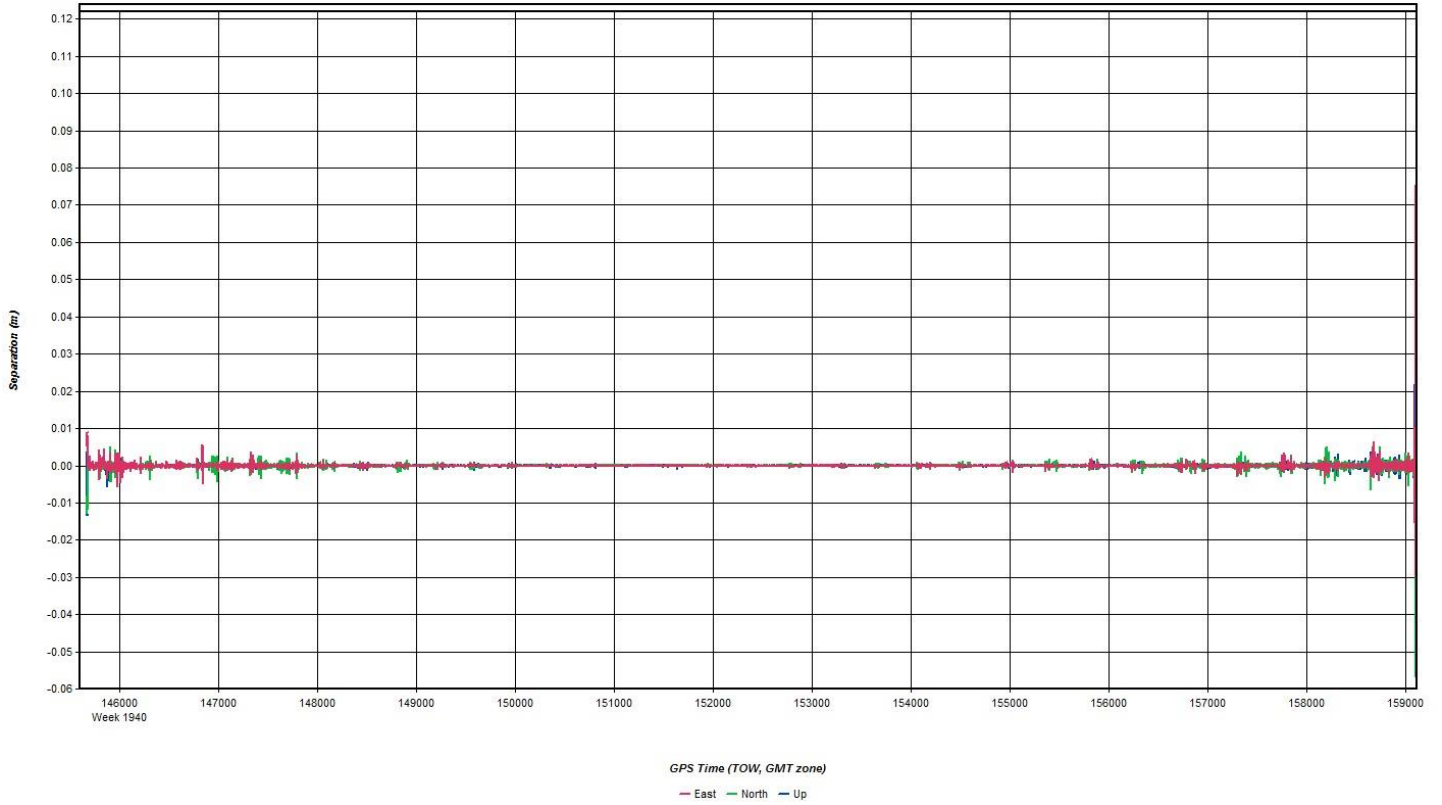


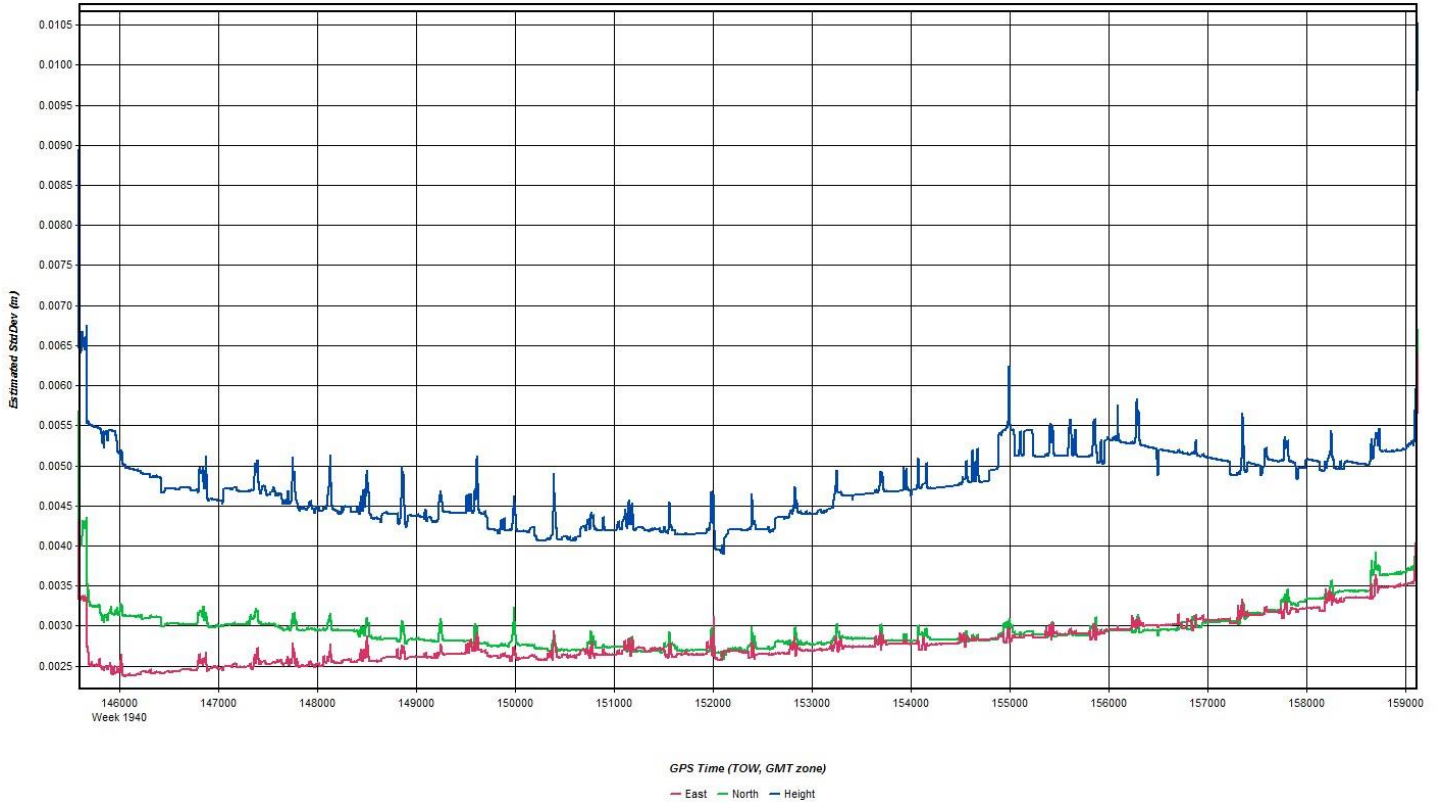


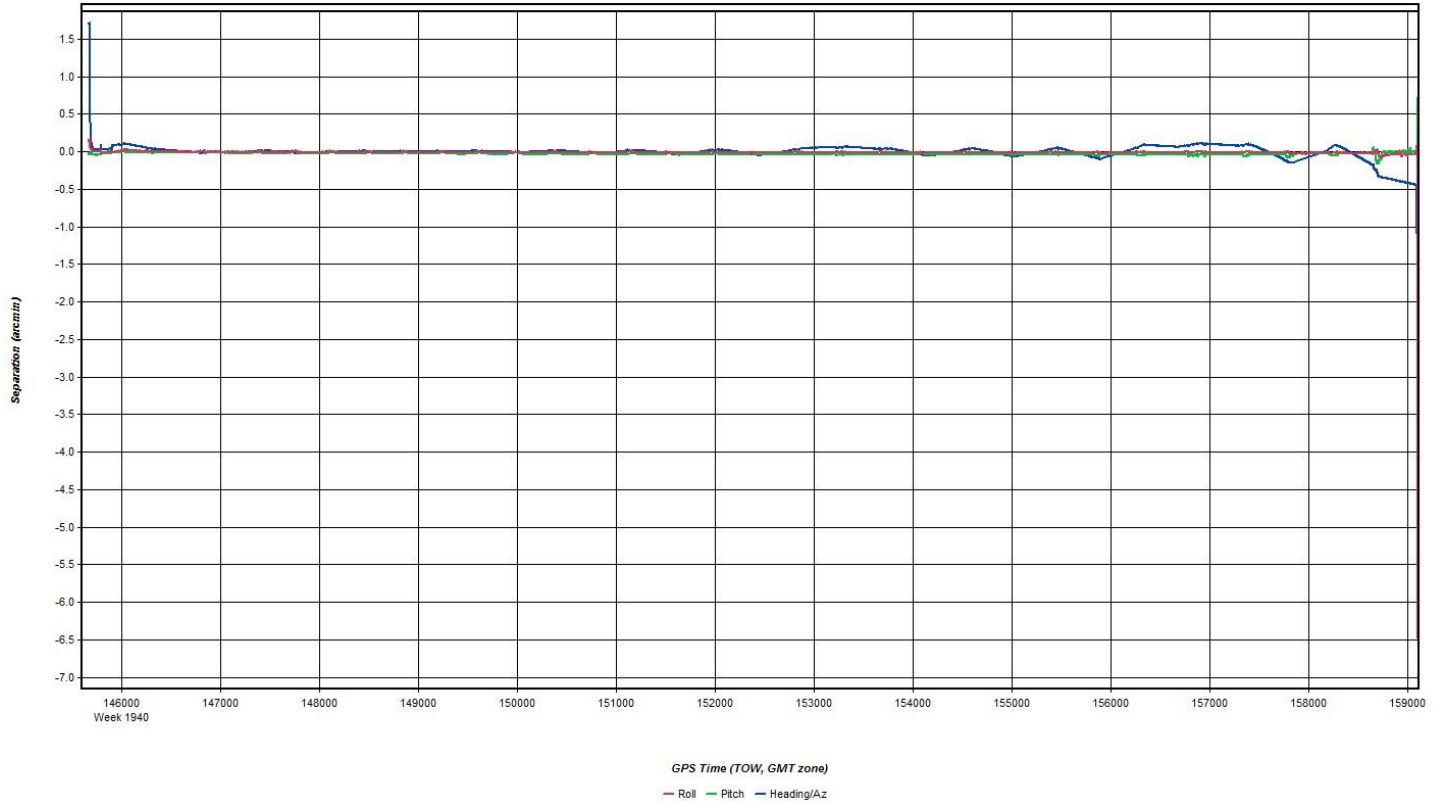












Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P190 Name: P190 Disabled
 File: F:\Proc\29724_Mendocino\20170313_SN8121_Mendocino_USGS

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: P312 Name: P312 Disabled
 File: F:\Proc\29724_Mendocino\29724_Survey_3-27-17\Survey\2_Static

Coordinates
 Latitude: North 39 31 45.03013 Coord. options
 Longitude: West 123 41 54.09576 Save to Favorites
 Ellipsoidal height: 255.389 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, SCIT View STA File
 Antenna profile: TRM59800.80, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.085 m
 Applied height: 0.093 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

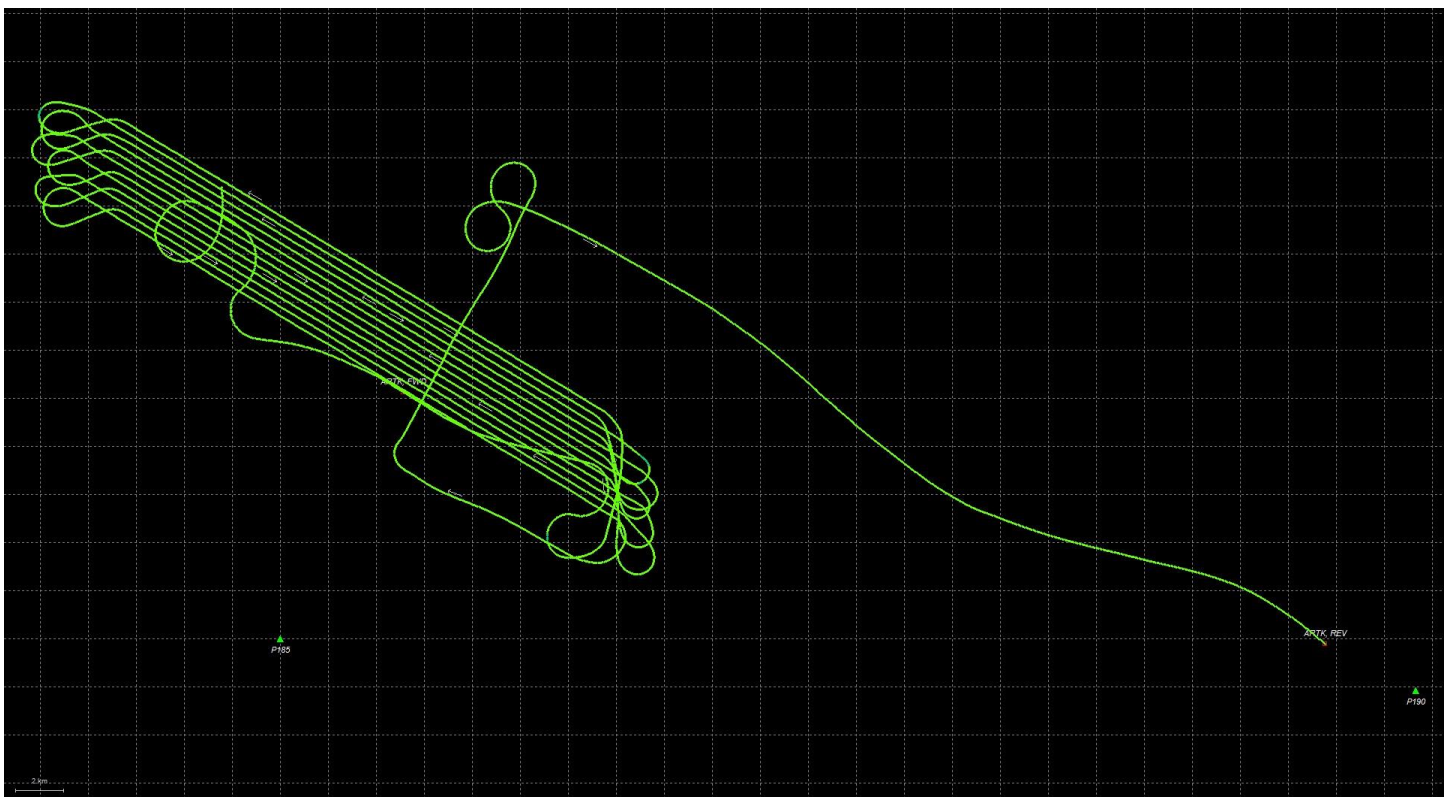
Date: 3/13/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Eric Petersen			Sensor Operator: Jon Frech		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	9:30:00 AM				
Wheels Down	3:20:00 AM				
Begin Hobbs	11735.3				
End Hobbs	11741				
On-line Hobbs: 5			Mob Hobbs: 0.7		
Notes					
Sunny day. Sensor restart as per usual at about 4 hrs					

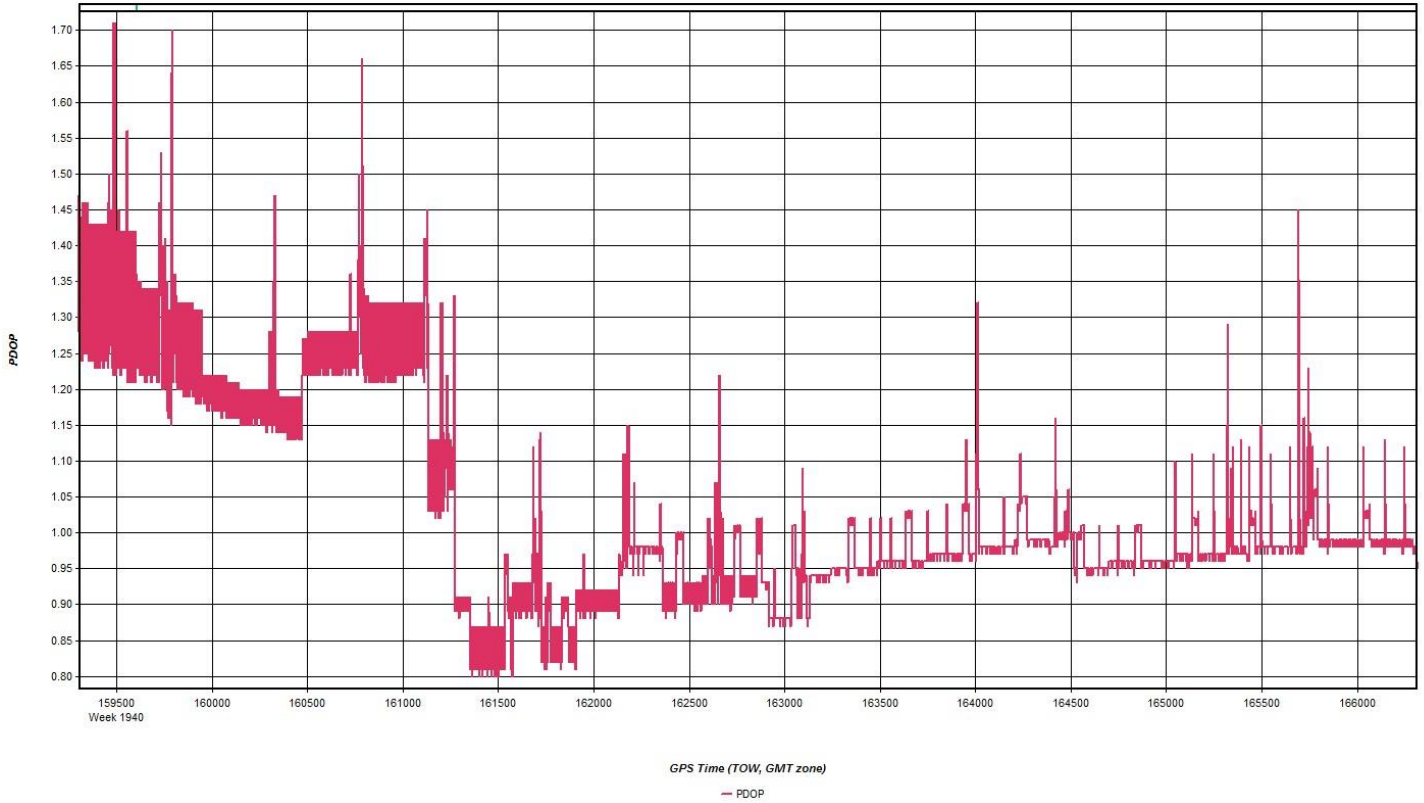
Flt Mgmt File: FAGL_Mendocino_SN8121

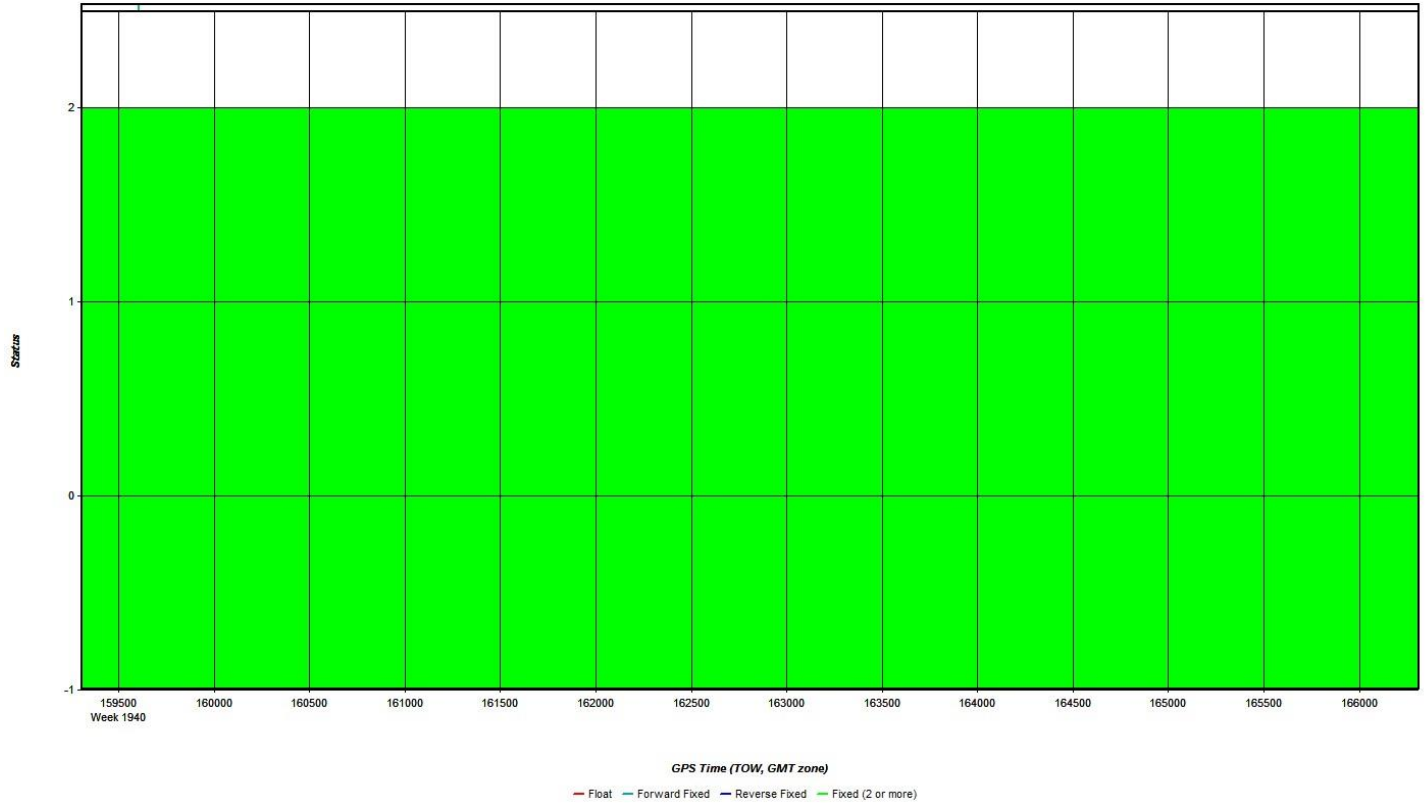
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
046	2013.661 m	16:51:06	25.66942652	1628.597 m	16:55:02	26.19981370
047	1660.514 m	16:57:02	26.54049856	1903.110 m	17:01:08	27.37344013
048	1919.433 m	17:03:15	27.73021665	1626.487 m	17:07:22	28.27174350
049	1656.953 m	17:09:32	28.63072769	1896.534 m	17:13:37	29.44701945
050	1863.634 m	17:15:35	29.76967321	1617.394 m	17:19:43	30.29151943
051	1624.158 m	17:21:57	30.65095747	1907.994 m	17:26:01	31.44782207
052	1856.938 m	17:28:02	31.76827222	1603.313 m	17:32:12	32.27049348
053	1612.237 m	17:34:17	32.59466343	1877.600 m	17:38:32	33.39993436
054	1821.420 m	17:40:48	33.74669562	1615.087 m	17:45:04	34.23556647
055	1578.780 m	17:47:20	34.57374407	1827.459 m	17:51:44	35.37576348
056	1813.970 m	17:53:43	35.66654649	1656.345 m	17:58:03	36.13245375
057	1678.979 m	18:00:21	36.45897553	1733.710 m	18:04:40	37.22022064
058	1711.590 m	18:07:25	37.60152155	1653.619 m	18:11:58	38.05767645
059	1692.915 m	18:14:03	38.33242600	1771.739 m	18:18:50	39.12295015
060	1762.219 m	18:21:00	39.40438352	1649.396 m	18:25:57	39.86254377
061	1712.036 m	18:28:02	40.12095667	1787.475 m	18:32:50	40.86792849
062	1729.074 m	18:35:23	41.17201111	1661.910 m	18:40:22	41.57944322
063	1713.379 m	18:42:40	41.84329908	1775.099 m	18:47:28	42.53031956
064	1771.316 m	18:49:45	42.77609532	1632.263 m	18:54:35	43.11352326
065	1681.328 m	18:56:48	43.33860241	1766.591 m	19:01:50	43.98392513
066	1744.719 m	19:03:59	44.18753469	1659.554 m	19:09:06	44.49023833
067	1672.287 m	19:11:18	44.68218862	1768.668 m	19:16:27	45.26242280
068	1749.853 m	19:18:19	45.41307569	1641.707 m	19:23:34	45.65515538
069	1691.434 m	19:25:54	45.82598056	1793.500 m	19:31:11	46.32805754
070	1754.506 m	19:36:07	46.63304821	1624.194 m	19:41:26	46.78650443
071	1696.291 m	19:43:29	46.89601851	1763.251 m	19:48:40	47.27709203

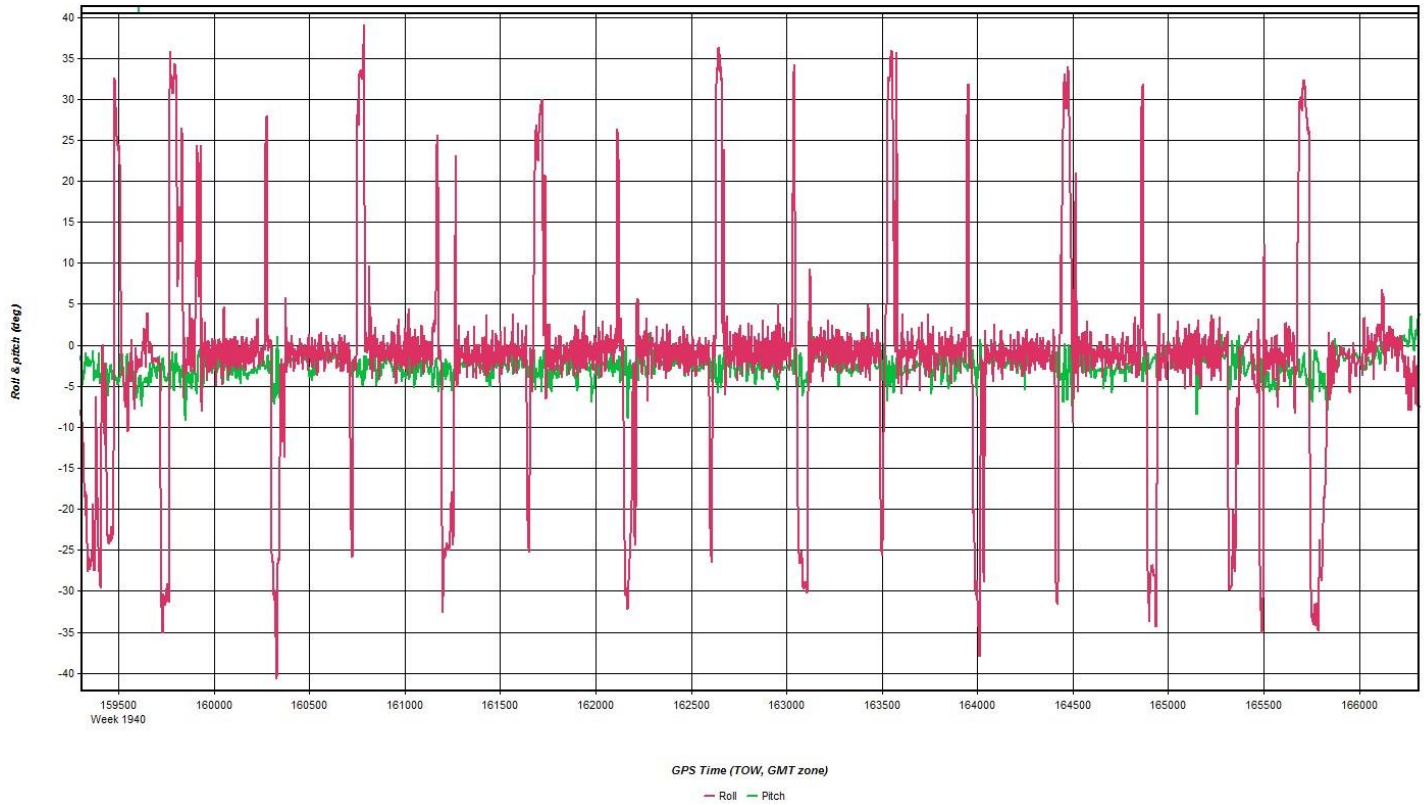
072	1745.250 m	19:50:50	47.37266319	1637.474 m	19:56:12	47.44545846
073	1676.530 m	19:58:28	47.52499674	1773.036 m	20:03:47	47.80629512
074	1742.910 m	20:05:51	47.85956869	1620.406 m	20:11:22	47.84941588

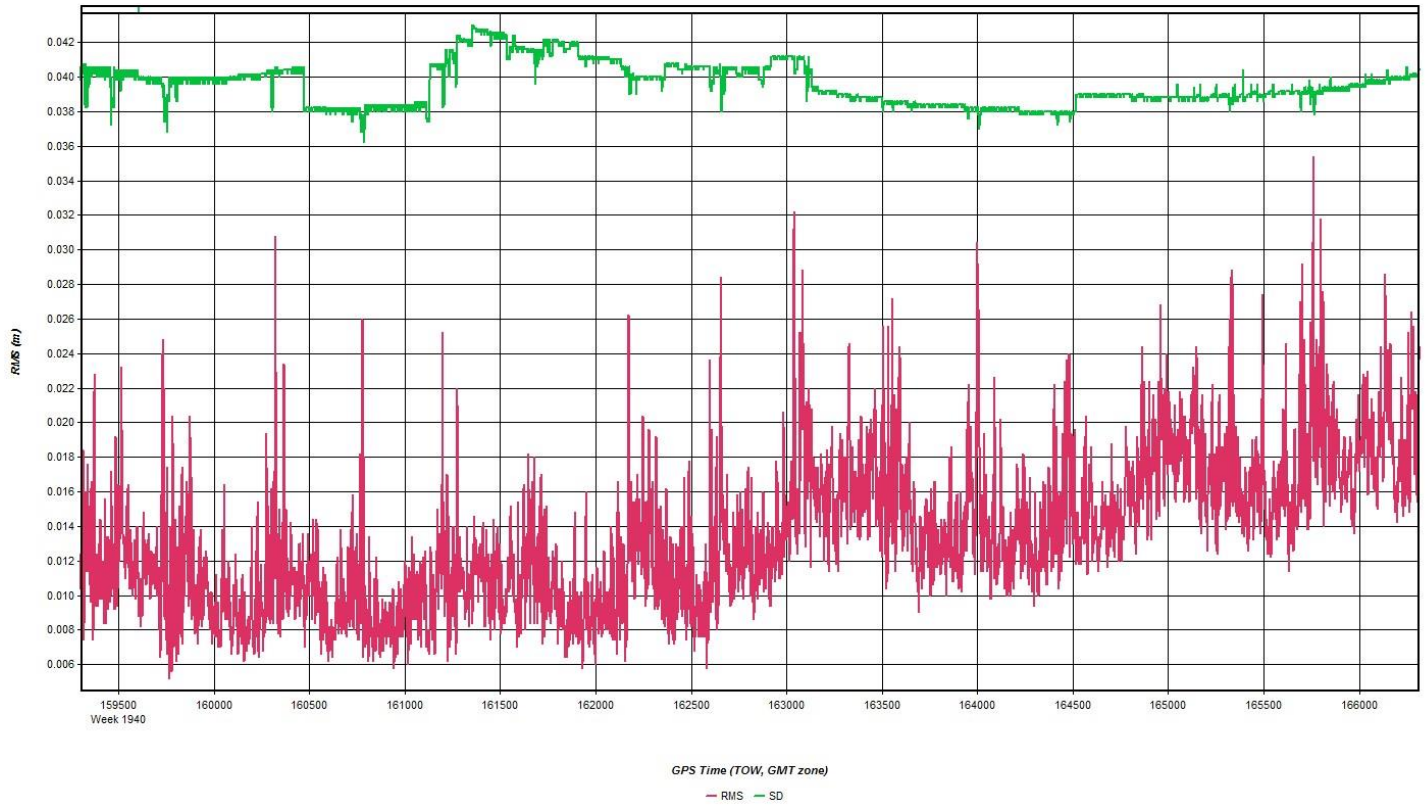
Mar 13, 2017-B (N704MD, SN8121)

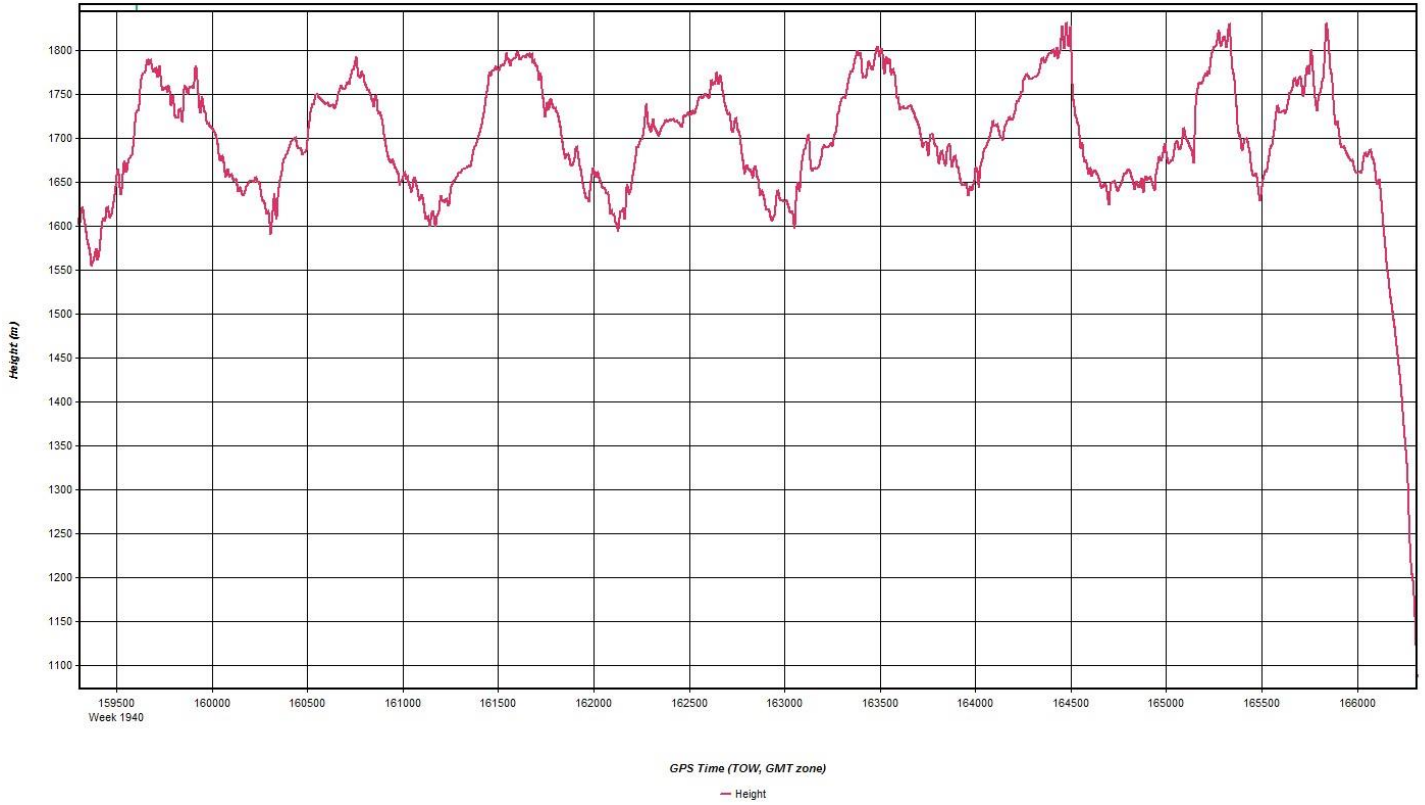


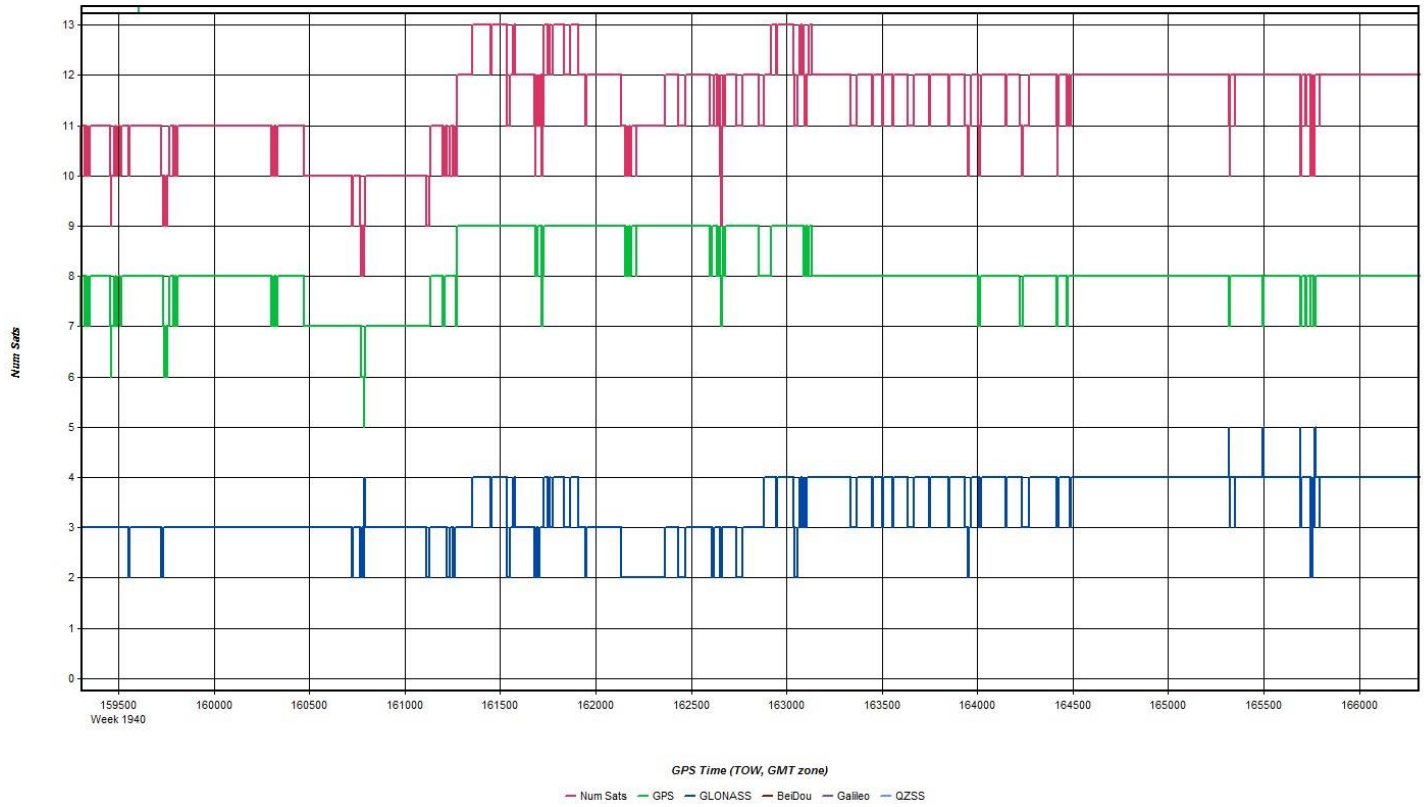


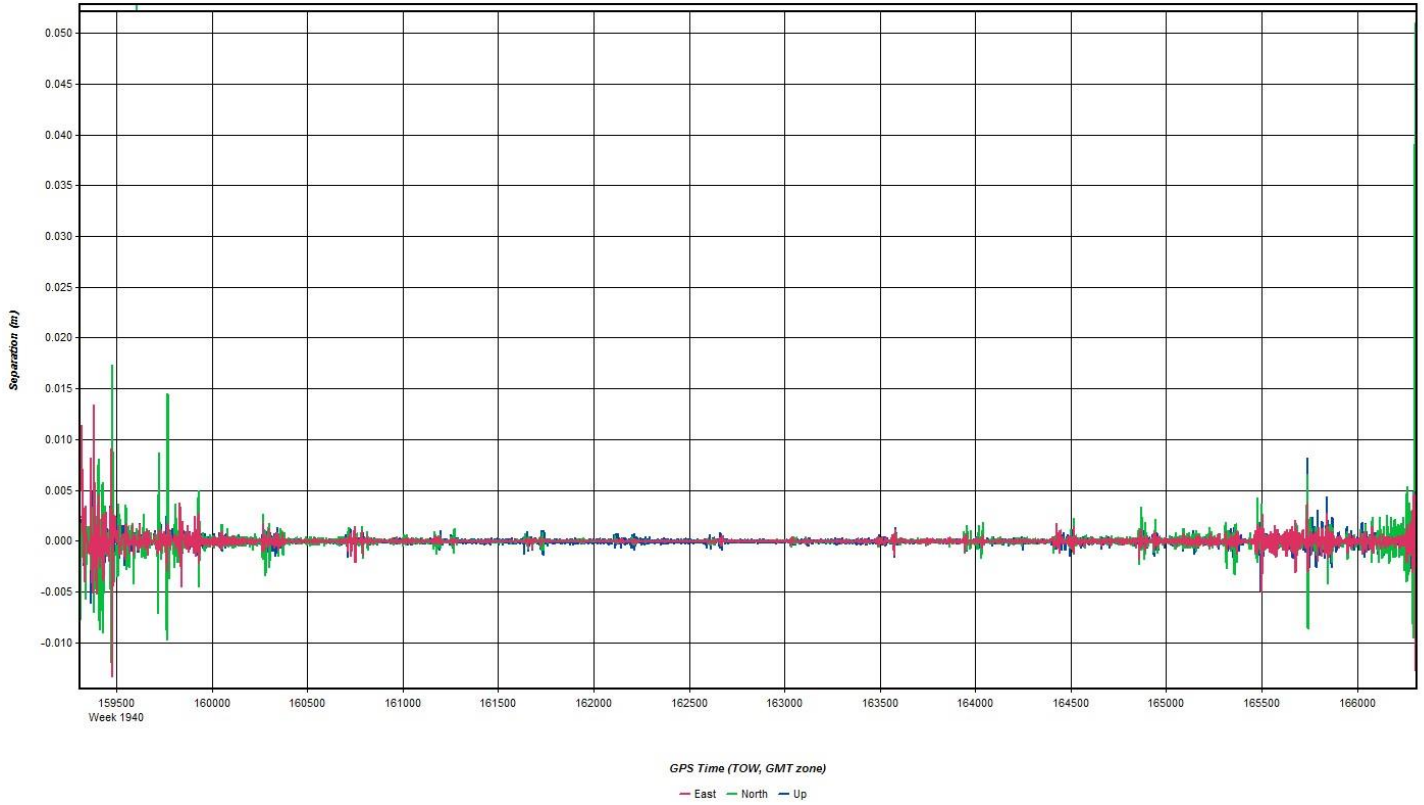


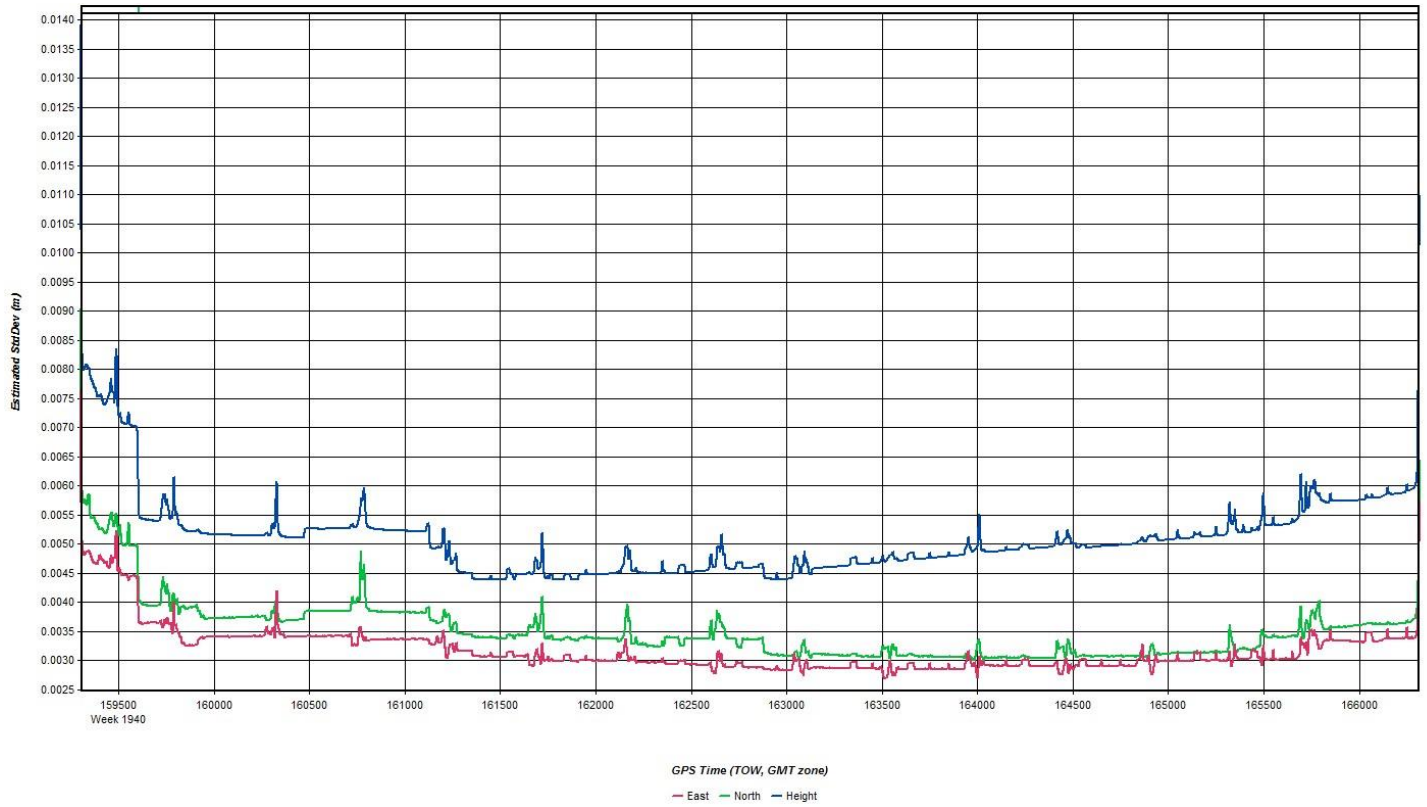














Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P185 Name: P185 Disabled
 File: F:\Proc\29724_Mendocino\20170313_SN8121_Mendocino_USGS_

Coordinates
 Latitude: North 39 15 40.67991 Coord. options
 Longitude: West 123 44 57.55474 Save to Favorites
 Ellipsoidal height: 146.834 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM29659.00, SCIT View STA File
 Antenna profile: TRM29659.00, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.086 m
 Applied height: 0.094 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: P190 Name: P190 Disabled
 File: F:\Proc\29724_Mendocino\20170313_SN8121_Mendocino_USGS_

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

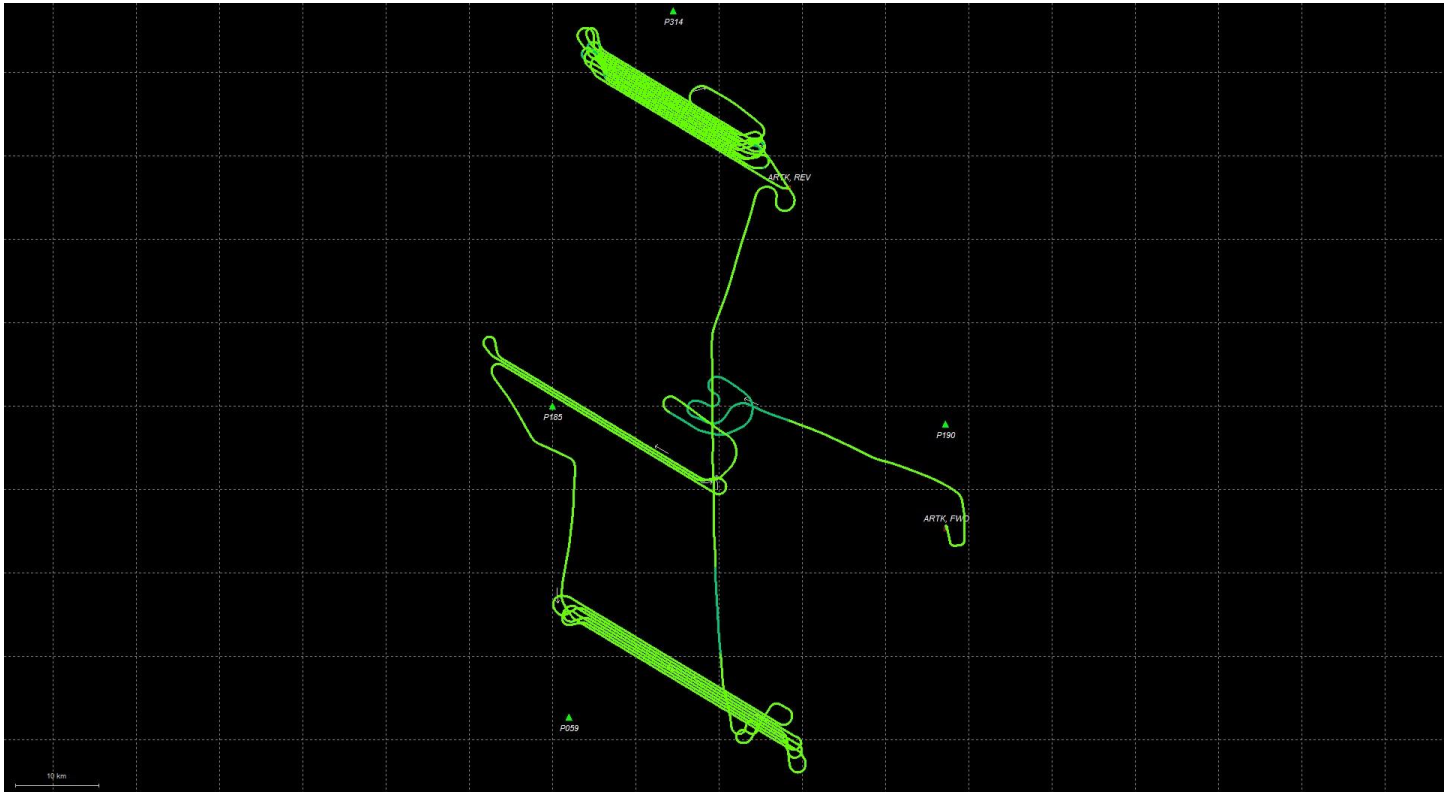
Flight Log

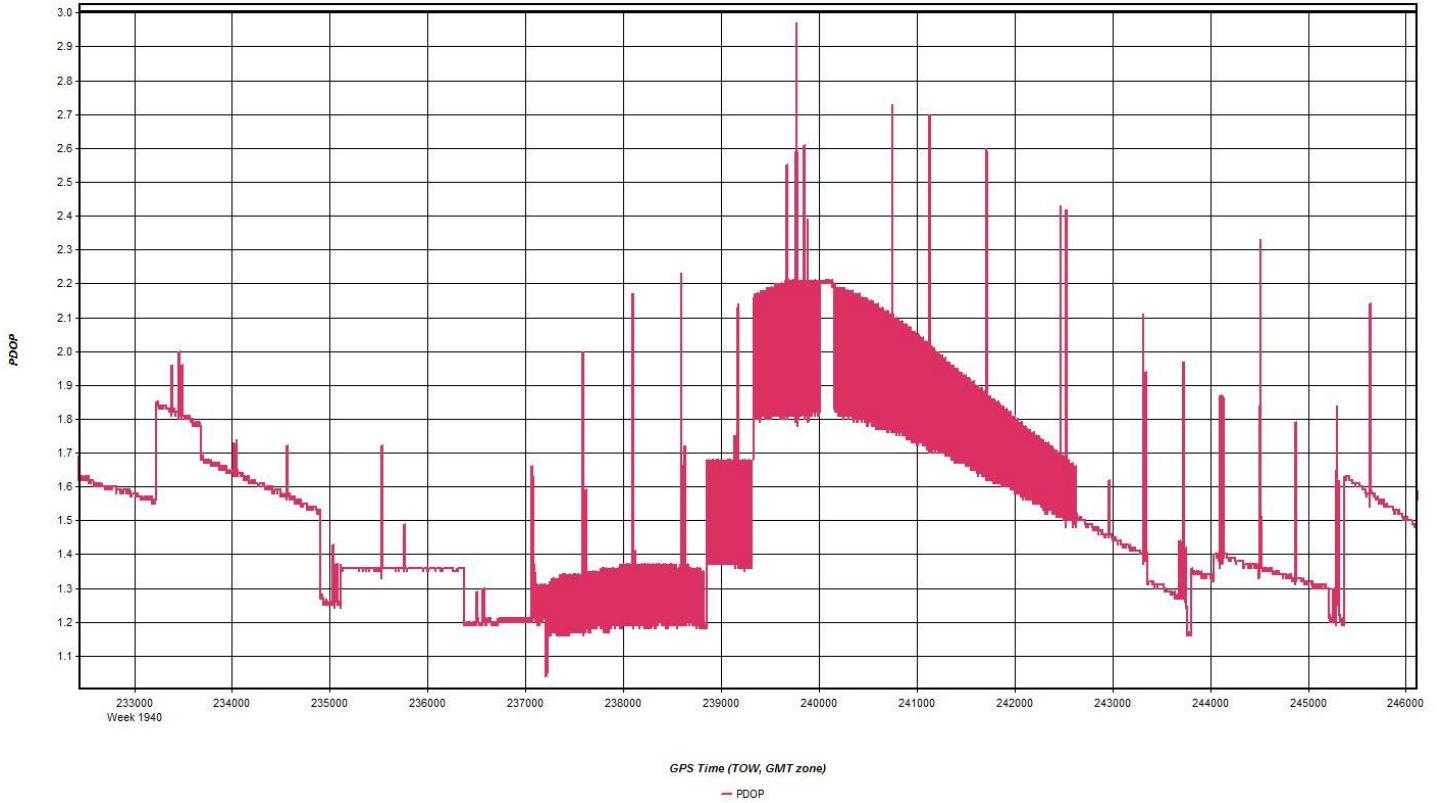
Date: 3/13/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Eric Petersen			Sensor Operator: Jon Frech		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

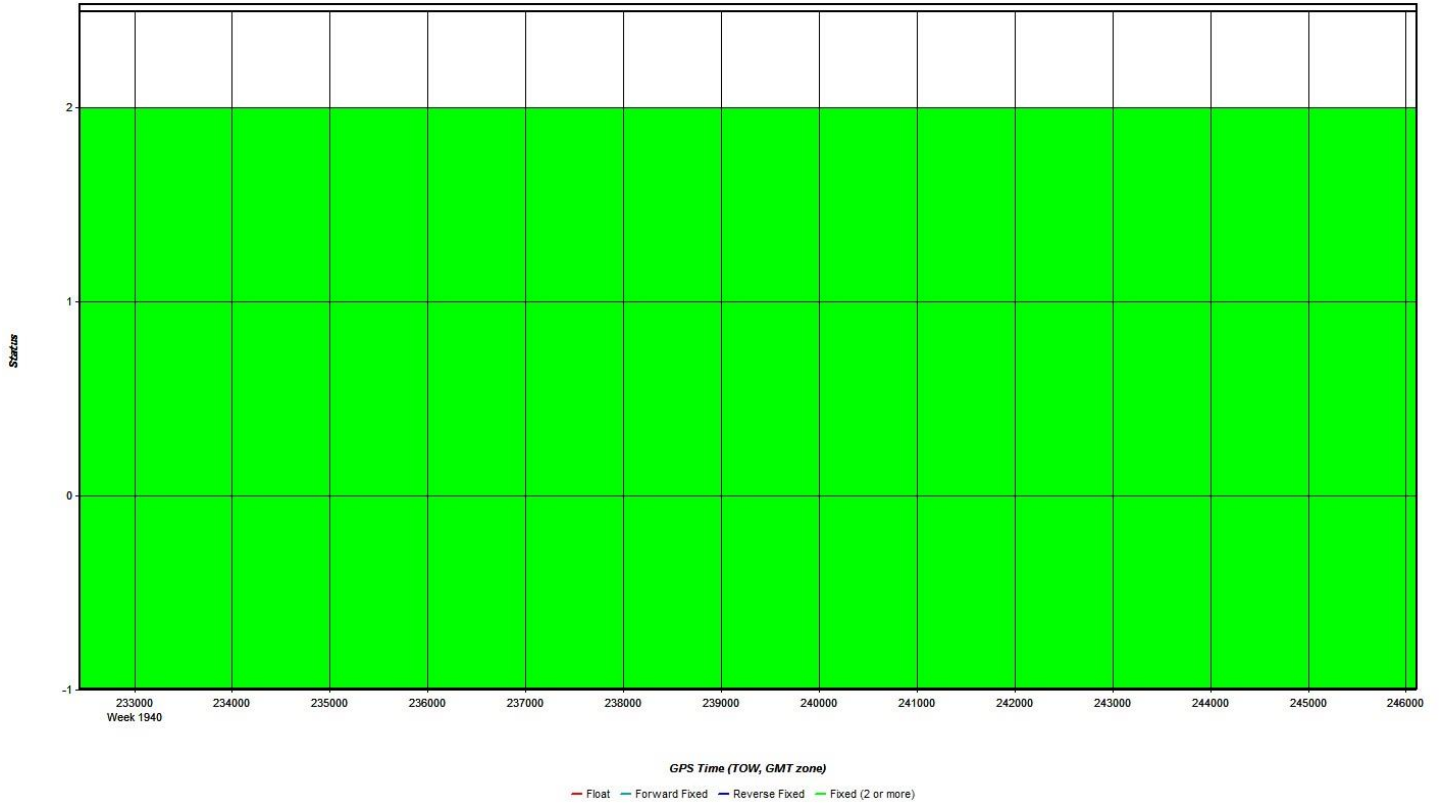
Flt Mgmt File: FAGL_Mendocino_SN8121

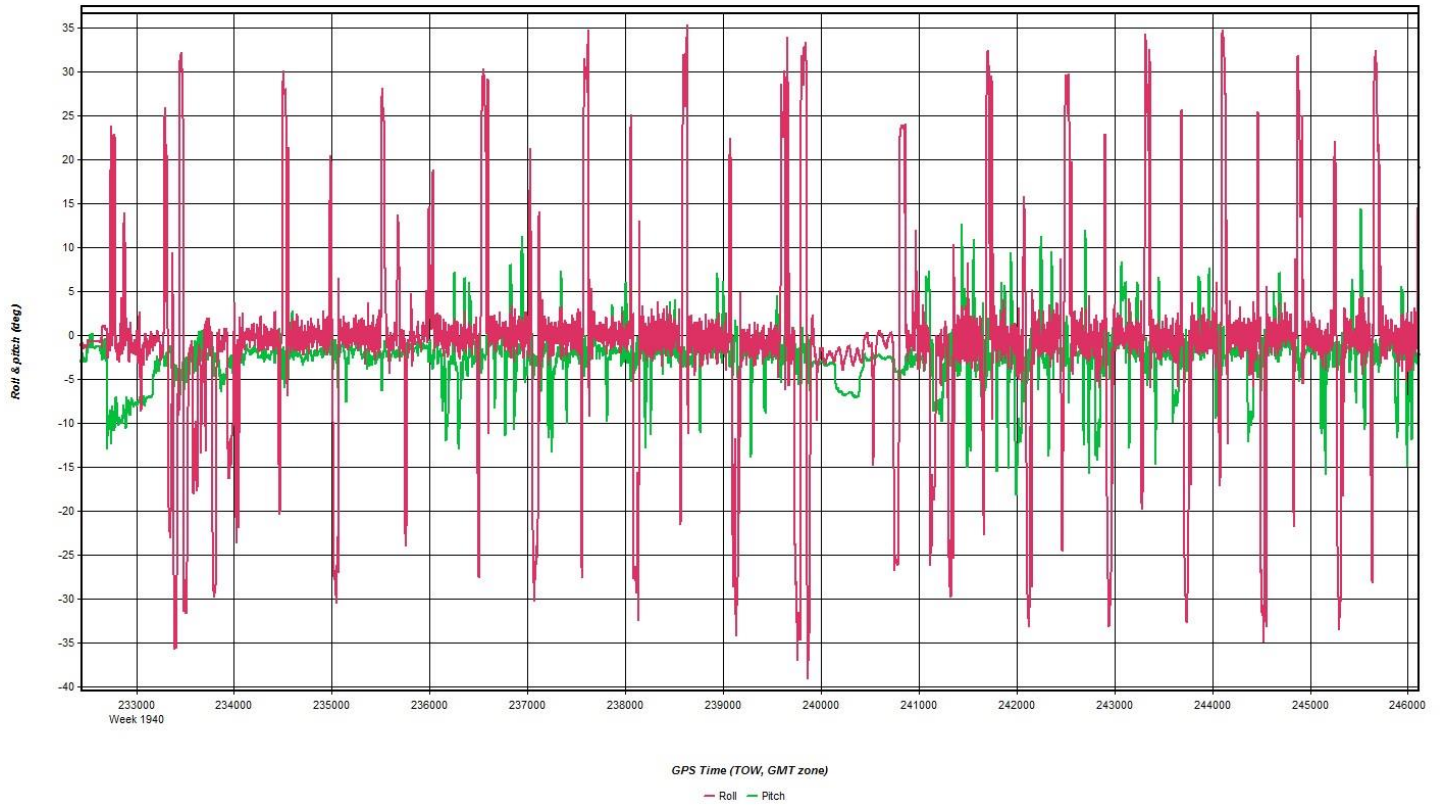
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
074	1730.207 m	20:25:20	48.06355130	1630.785 m	20:30:51	47.93833736
075	1681.651 m	20:32:53	47.92374712	1761.508 m	20:38:16	47.93902249
076	1753.768 m	20:40:07	47.90721988	1617.100 m	20:45:42	47.69437391
077	1659.852 m	20:47:50	47.63869339	1793.247 m	20:53:41	47.52104338
078	1734.518 m	20:55:48	47.44345283	1609.875 m	21:01:34	47.13324851
079	1693.414 m	21:03:38	47.04044178	1748.494 m	21:09:38	46.78553310
080	1733.205 m	21:11:17	46.69527264	1617.840 m	21:16:57	46.30699718
081	1665.265 m	21:18:48	46.19198258	1798.676 m	21:24:35	45.83090017
082	1734.523 m	21:26:25	45.69936131	1649.930 m	21:32:06	45.23478861
083	1693.807 m	21:34:04	45.07986636	1800.974 m	21:39:52	44.60660356
084	1732.515 m	21:41:42	44.44589160	1647.044 m	21:47:21	43.91586121
085	1676.100 m	21:49:19	43.73156257	1806.802 m	21:54:55	43.17543815
UL001	1651.841 m	21:58:07	42.85976527	1769.905 m	22:00:57	42.46243219

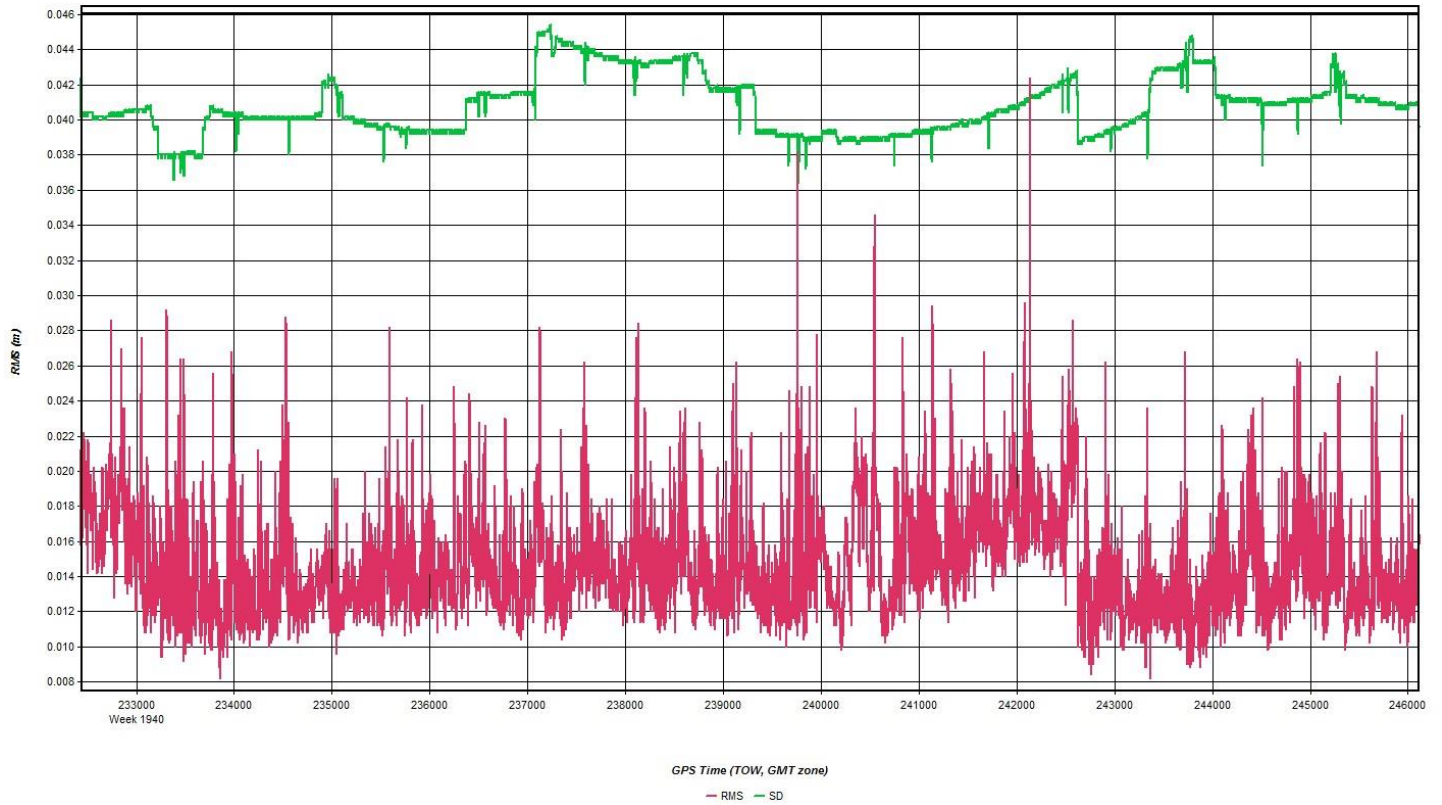
Mar 14, 2017-A (N704MD, SN8121)

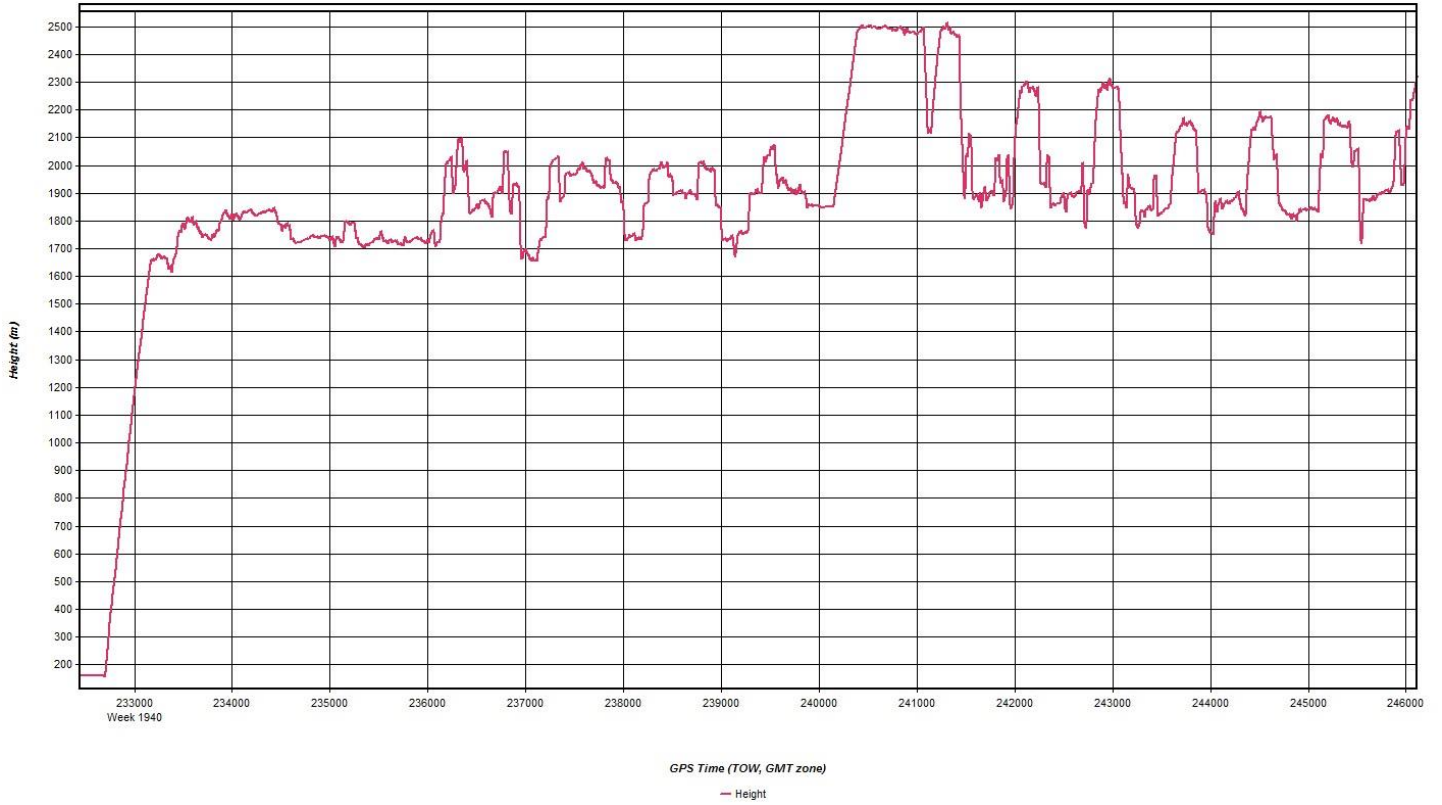


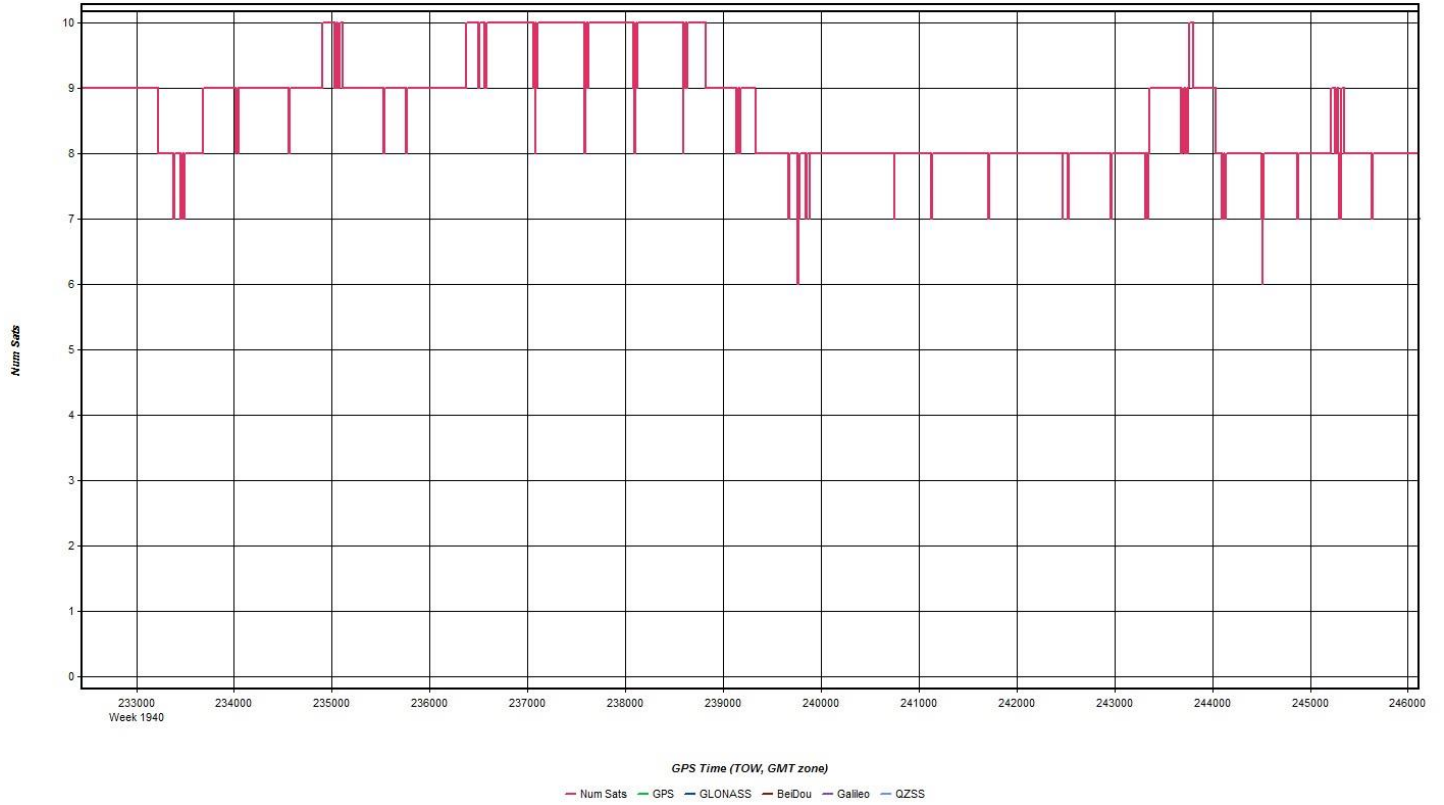


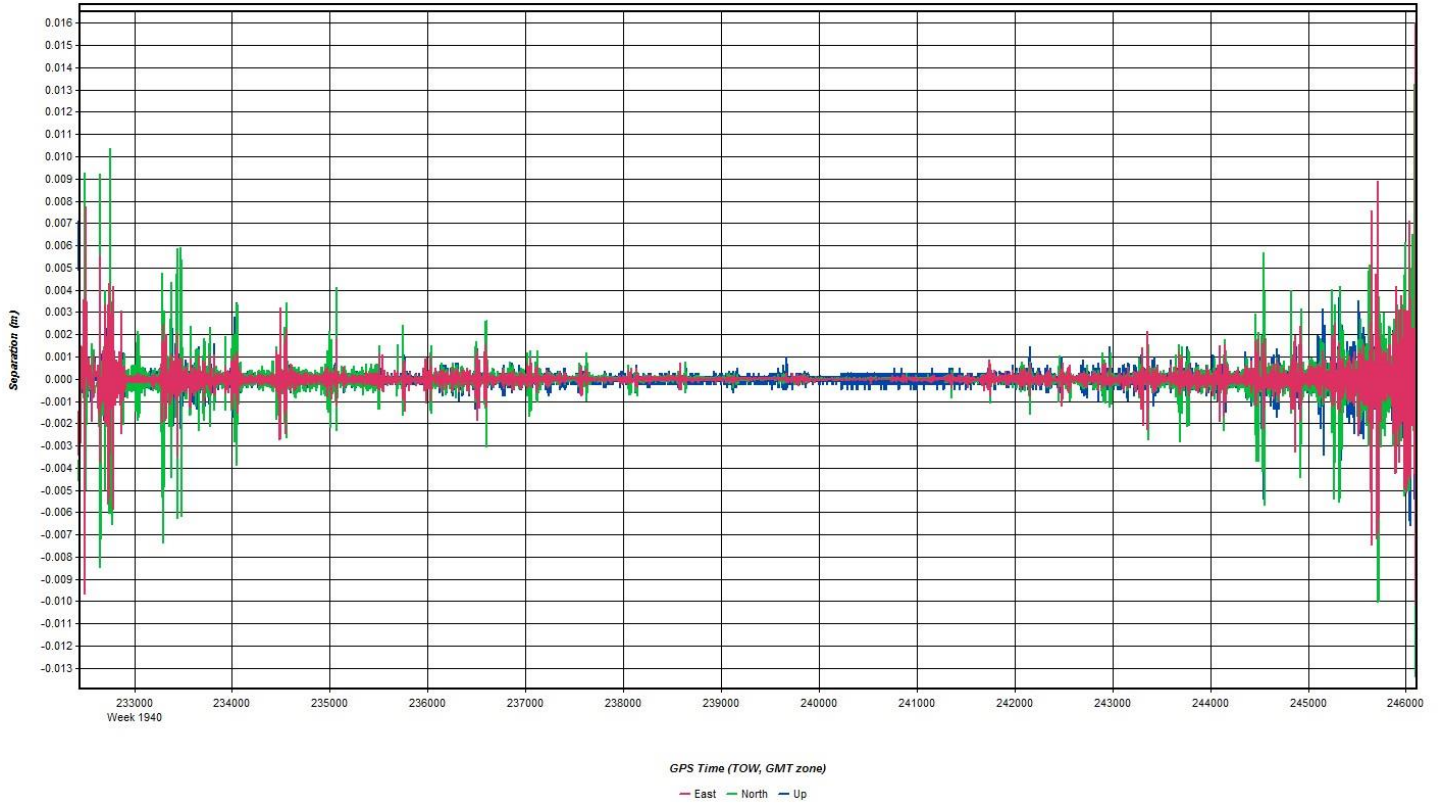


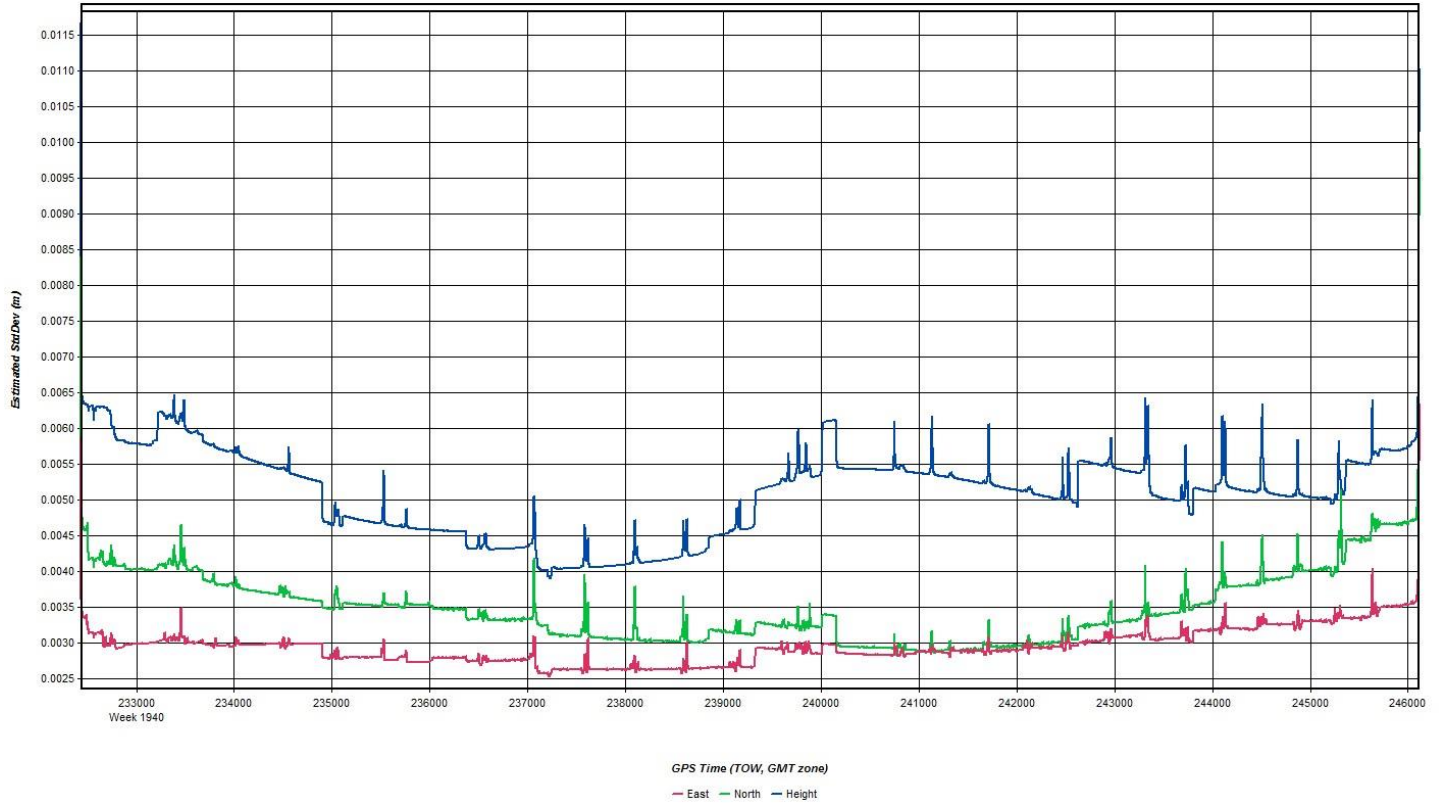


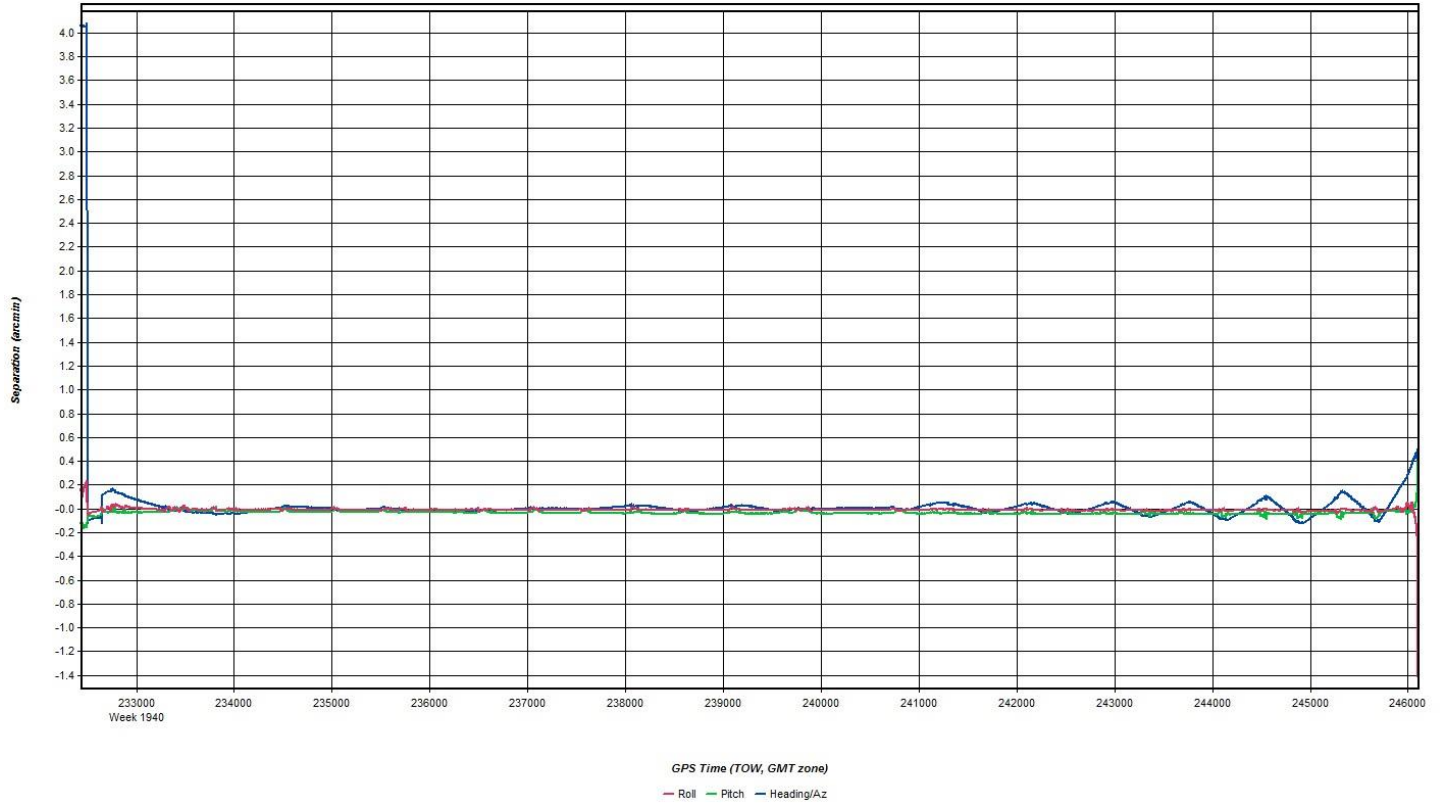












Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: P059 Name: P059 Disabled
 File: F:\Proc\29724_Mendocino\20170314_SN8121_Mendocino_USGS_

Coordinates
 Latitude: North 38 55 42.03419 Coord. options
 Longitude: West 123 43 34.25639 Save to Favorites
 Ellipsoidal height: -10.822 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, SCIT View STA File
 Antenna profile: TRM59800.80, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.085 m
 Applied height: 0.093 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P185 Name: P185 Disabled
 File: F:\Proc\29724_Mendocino\20170314_SN8121_Mendocino_USGS_

Coordinates
 Latitude: North 39 15 40.67991 Coord. options
 Longitude: West 123 44 57.55474 Save to Favorites
 Ellipsoidal height: 146.834 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM29659.00, SCIT View STA File
 Antenna profile: TRM29659.00, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.086 m
 Applied height: 0.094 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 3: P190 Name: P190 Disabled
 File: F:\Proc\29724_Mendocino\20170314_SN8121_Mendocino_USGS_

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 4: P314 Name: P314 Disabled
 File: F:\Proc\29724_Mendocino\20170314_SN8121_Mendocino_USGS_

Coordinates
 Latitude: North 39 41 08.37750 Coord. options
 Longitude: West 123 34 54.60003 Save to Favorites
 Ellipsoidal height: 1252.398 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM29659.00, SCIT View STA File
 Antenna profile: TRM29659.00, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.086 m
 Applied height: 0.094 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 3/14/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Eric Petersen			Sensor Operator: Jon Frech		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	9:30:00 AM				
Wheels Down	3:15:00 PM				
Begin Hobbs	11741				
End Hobbs	11746.6				
On-line Hobbs: 5			Mob Hobbs: 0.6		

Notes

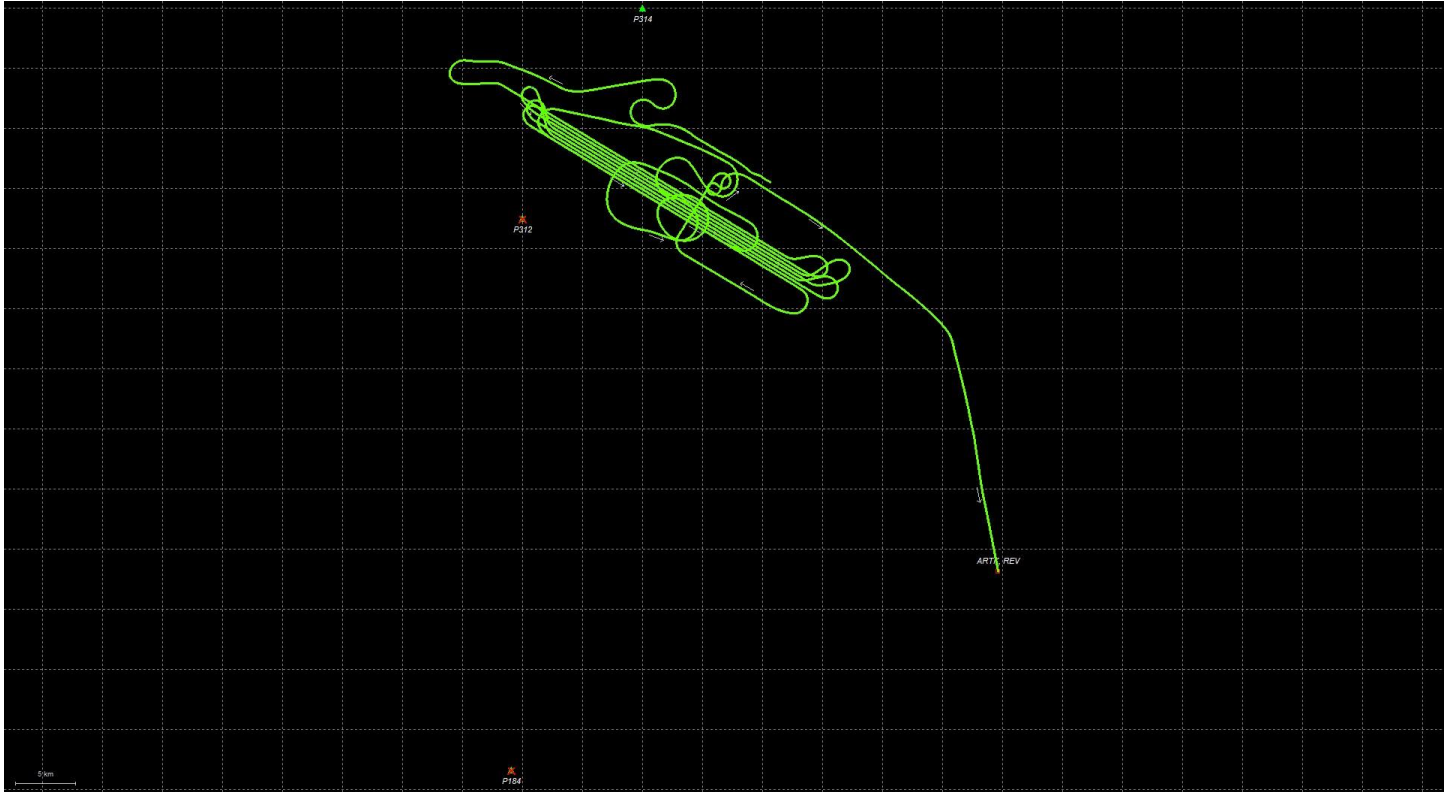
worked on mendocino all day, jumped around a bit as marine layer moved in. 2 "missions" due to recurring error.

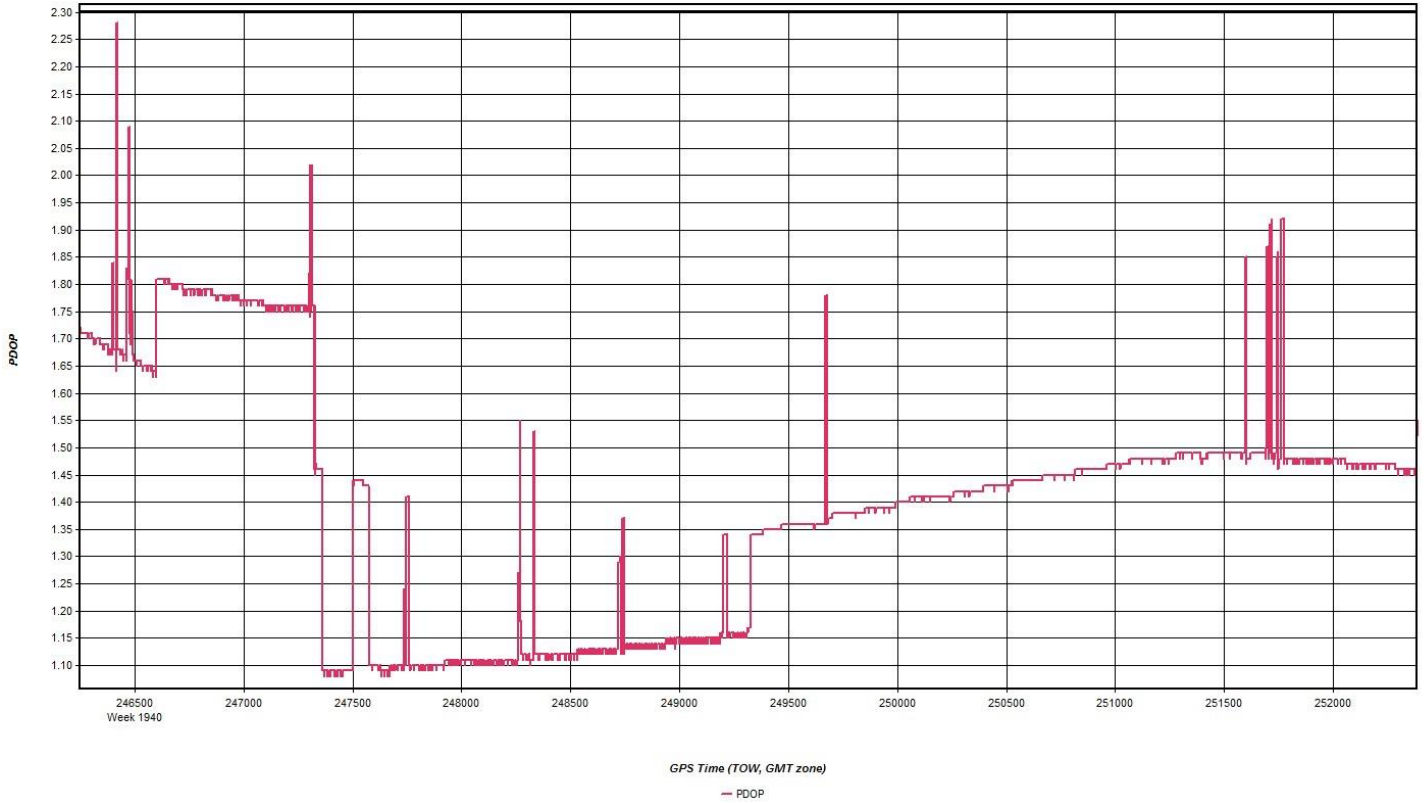
Flt Mgmt File: FAGL_Mendocino_SN8121

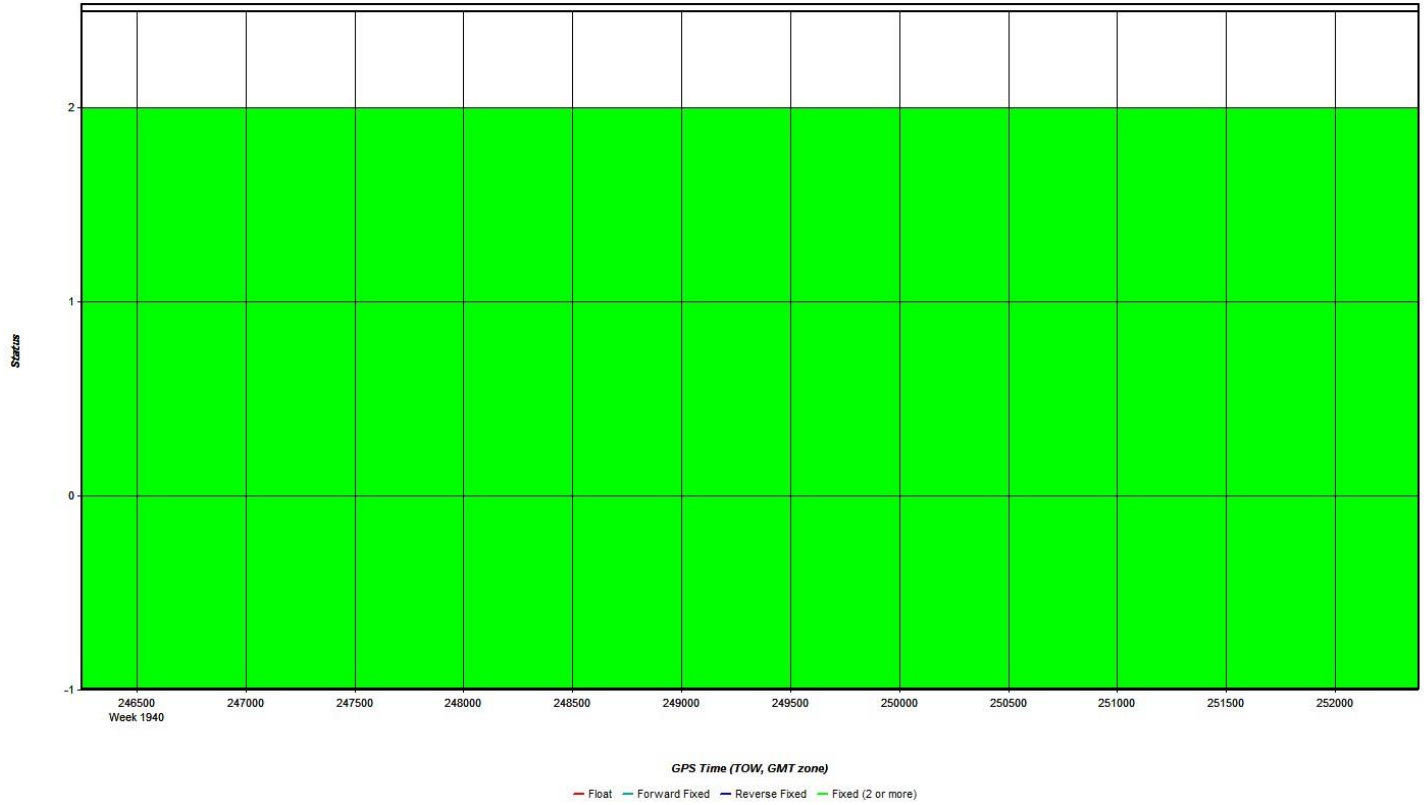
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
100	1741.373 m	16:55:33	26.89947891	1734.488 m	16:55:57	26.95336501
115	1810.162 m	17:00:49	27.83726045	1822.632 m	17:07:20	28.69244756
116	1784.615 m	17:09:18	29.02094407	1741.921 m	17:15:59	30.36605089
117	1730.129 m	17:18:07	30.71706934	1736.986 m	17:24:46	31.54751230
184	1763.643 m	17:34:03	33.25534325	1849.554 m	17:41:13	34.61079175
183	1852.933 m	17:43:27	34.94860031	1685.788 m	17:50:02	35.69596135
182	1713.874 m	17:52:00	35.98526486	1987.115 m	17:58:48	37.21564728
181	1977.398 m	18:00:38	37.47469944	1740.685 m	18:07:15	38.16844733
180	1737.536 m	18:09:02	38.40909923	1906.846 m	18:15:40	39.54285183
179	1901.407 m	18:17:33	39.78841896	1730.292 m	18:24:00	40.39001815

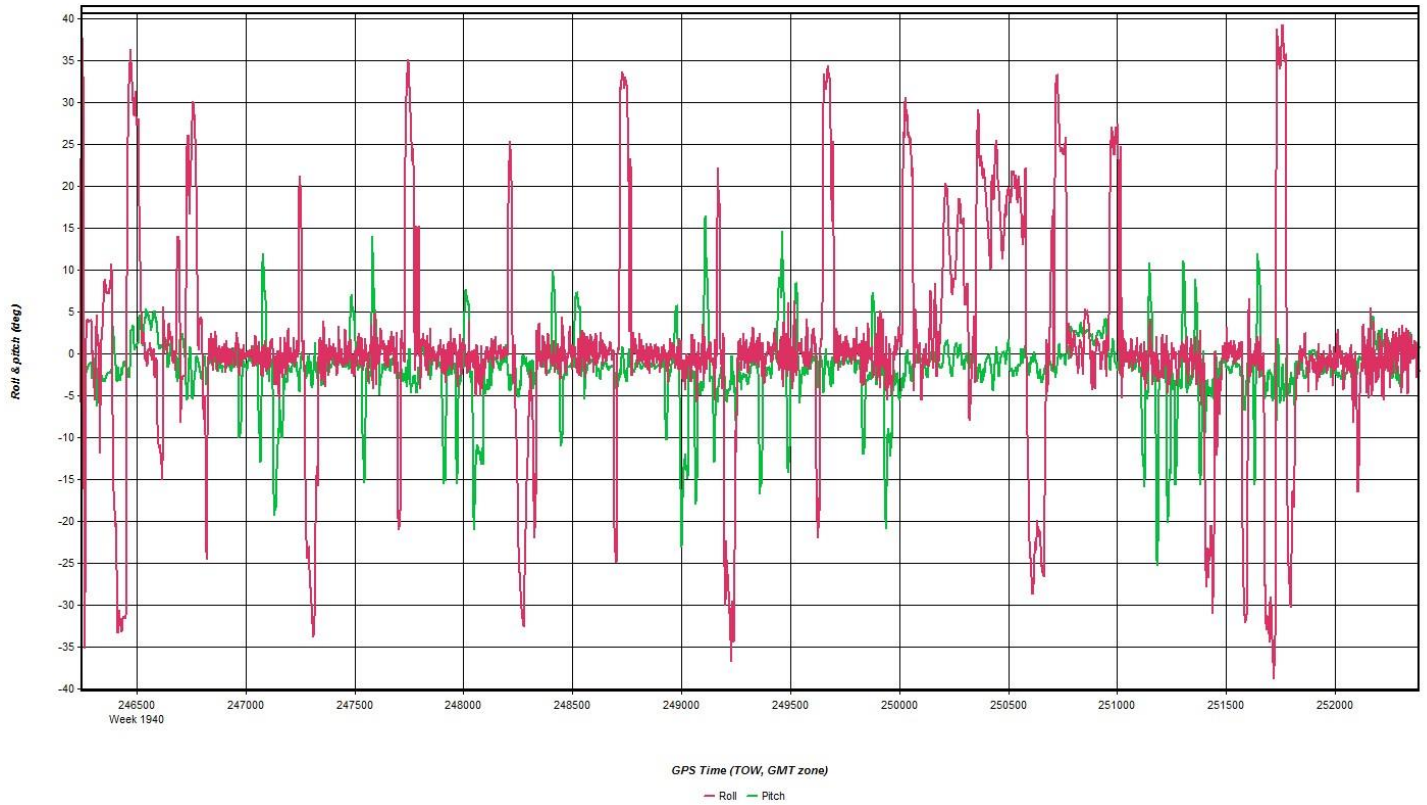
178	1763.648 m	18:26:25	40.69493104	1930.103 m	18:32:51	41.71392980
254	2483.715 m	18:56:45	43.78063562	2118.289 m	18:58:17	43.88232416
254	2476.730 m	19:02:43	44.35004036	1904.463 m	19:07:08	44.61394950
255	1897.300 m	19:09:20	44.80874482	2262.319 m	19:14:09	45.34737477
256	2282.937 m	19:16:02	45.50216183	1865.990 m	19:20:24	45.70739010
257	1887.947 m	19:23:09	45.91446923	2290.104 m	19:27:58	46.37889470
258	2282.068 m	19:29:49	46.50204894	1786.080 m	19:34:17	46.65691199
259	1841.512 m	19:36:20	46.78137701	2124.448 m	19:41:02	47.15726620
260	2154.869 m	19:42:58	47.25660472	1875.838 m	19:47:17	47.34958640
261	1864.798 m	19:49:30	47.45002510	2131.151 m	19:54:03	47.73598443
262	2171.849 m	19:55:54	47.80481506	1813.858 m	20:00:05	47.83602942
263	1843.453 m	20:02:27	47.90652821	2151.668 m	20:06:54	48.10795902
264	2144.461 m	20:09:08	48.15615269	1876.449 m	20:13:24	48.12904098
265	1899.441 m	20:15:25	48.15667189	2271.506 m	20:21:10	48.30524602
UL001	1928.012 m	18:34:14	41.85938979	1901.313 m	18:35:05	41.97237111

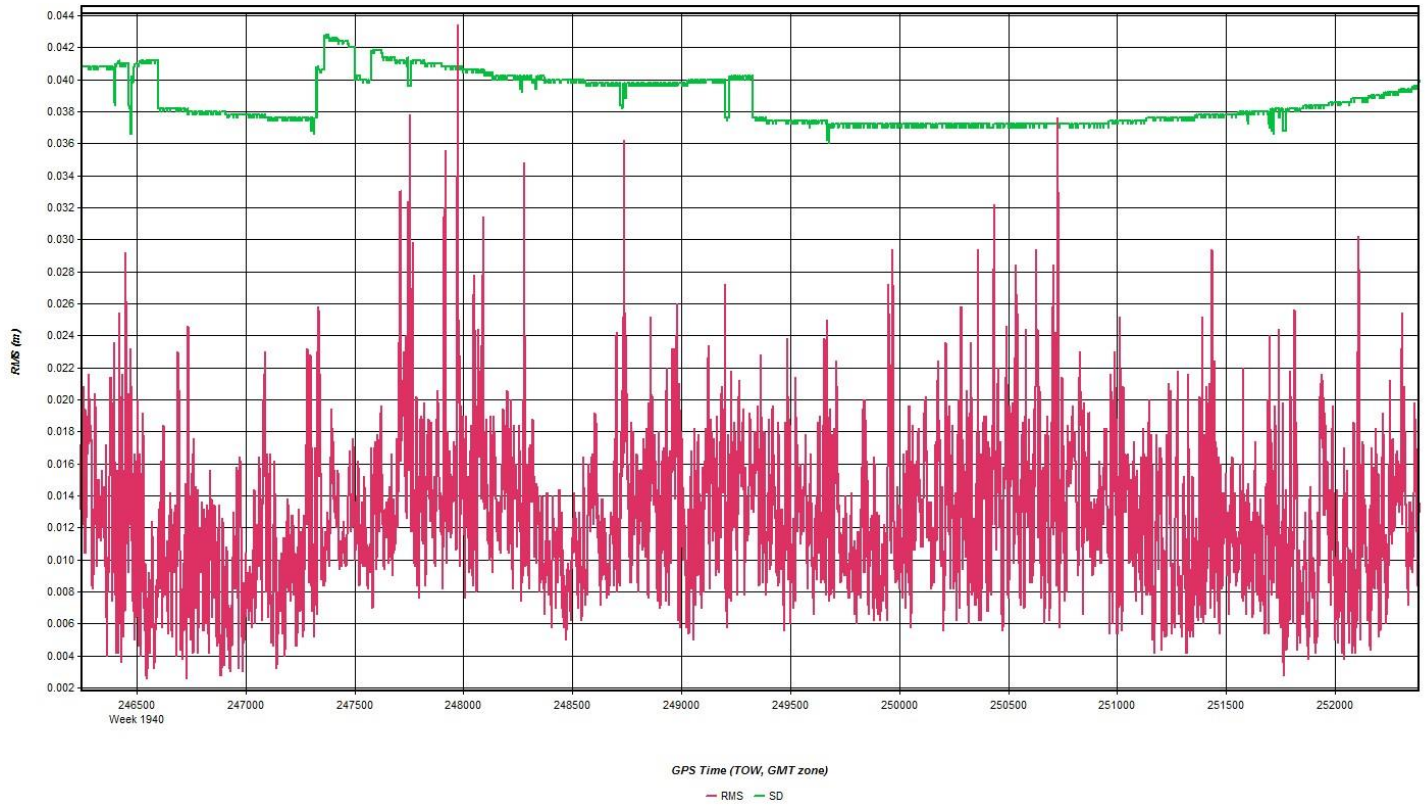
Mar 14, 2017-B (N704MD, SN8121)

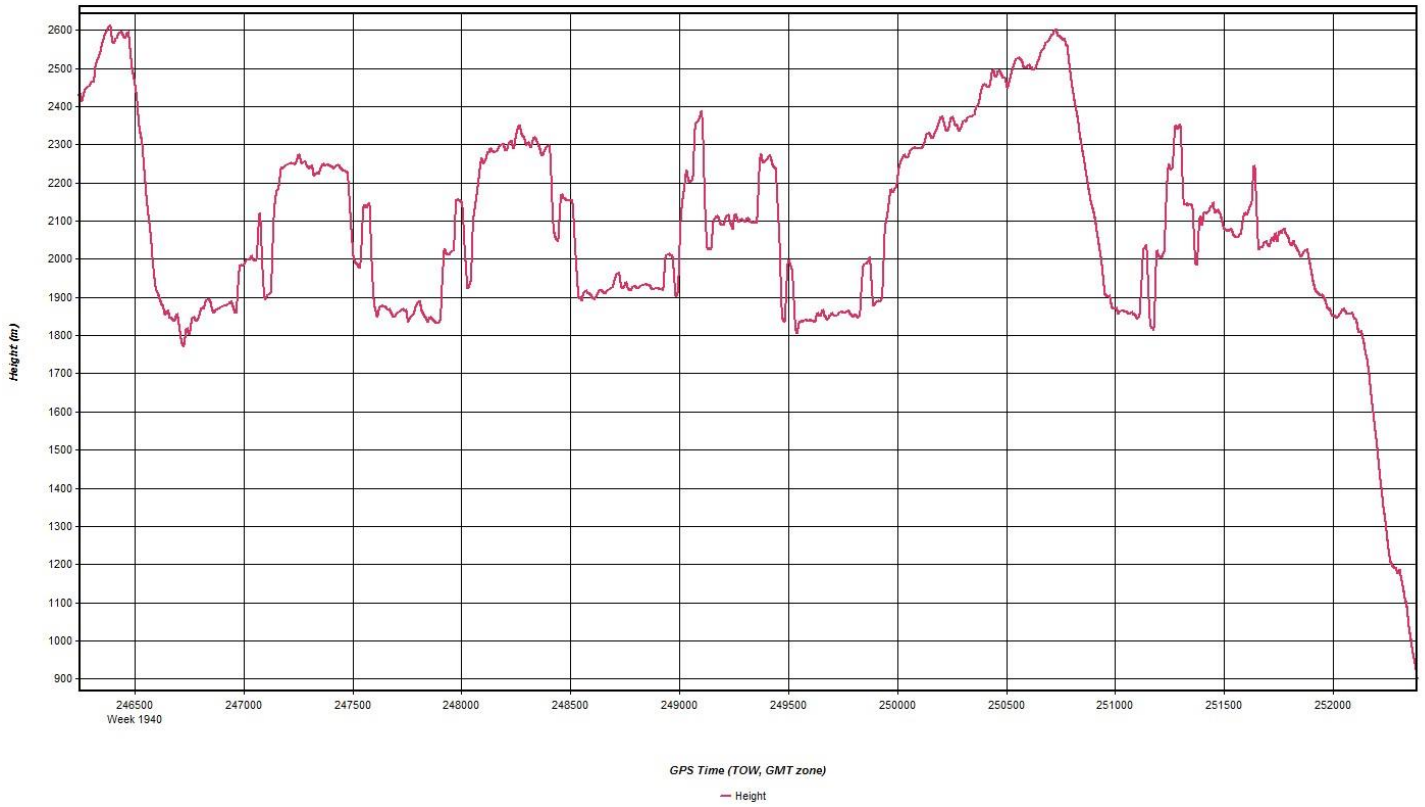


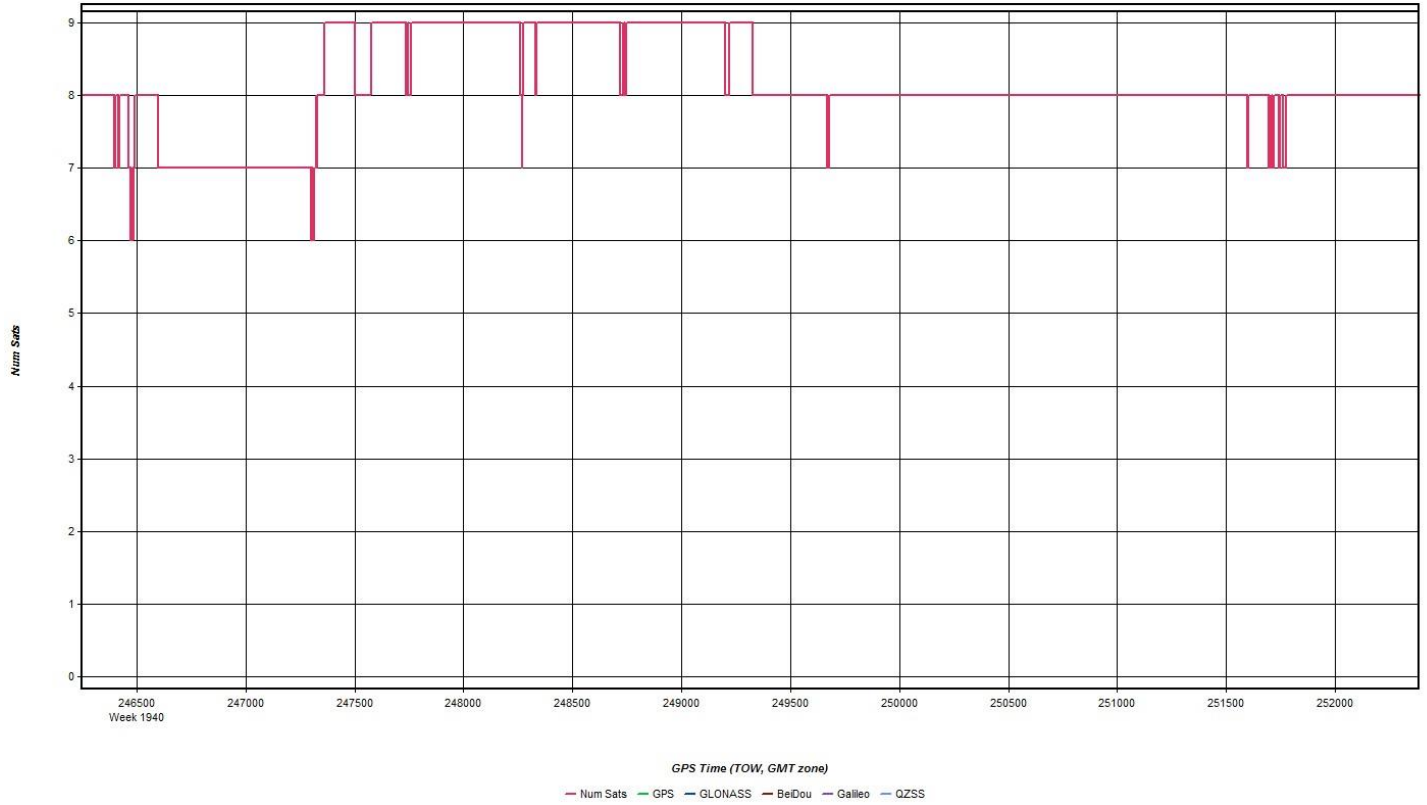


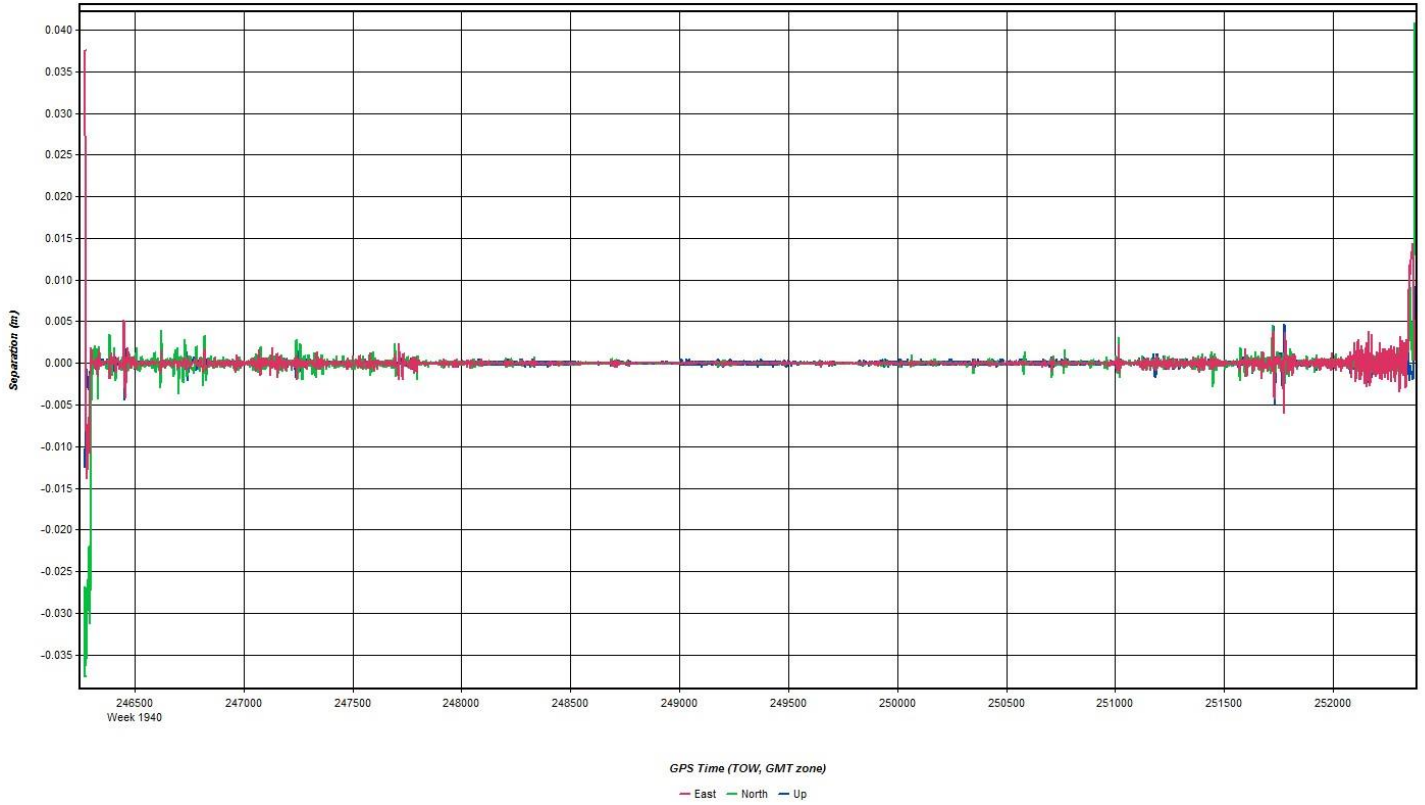


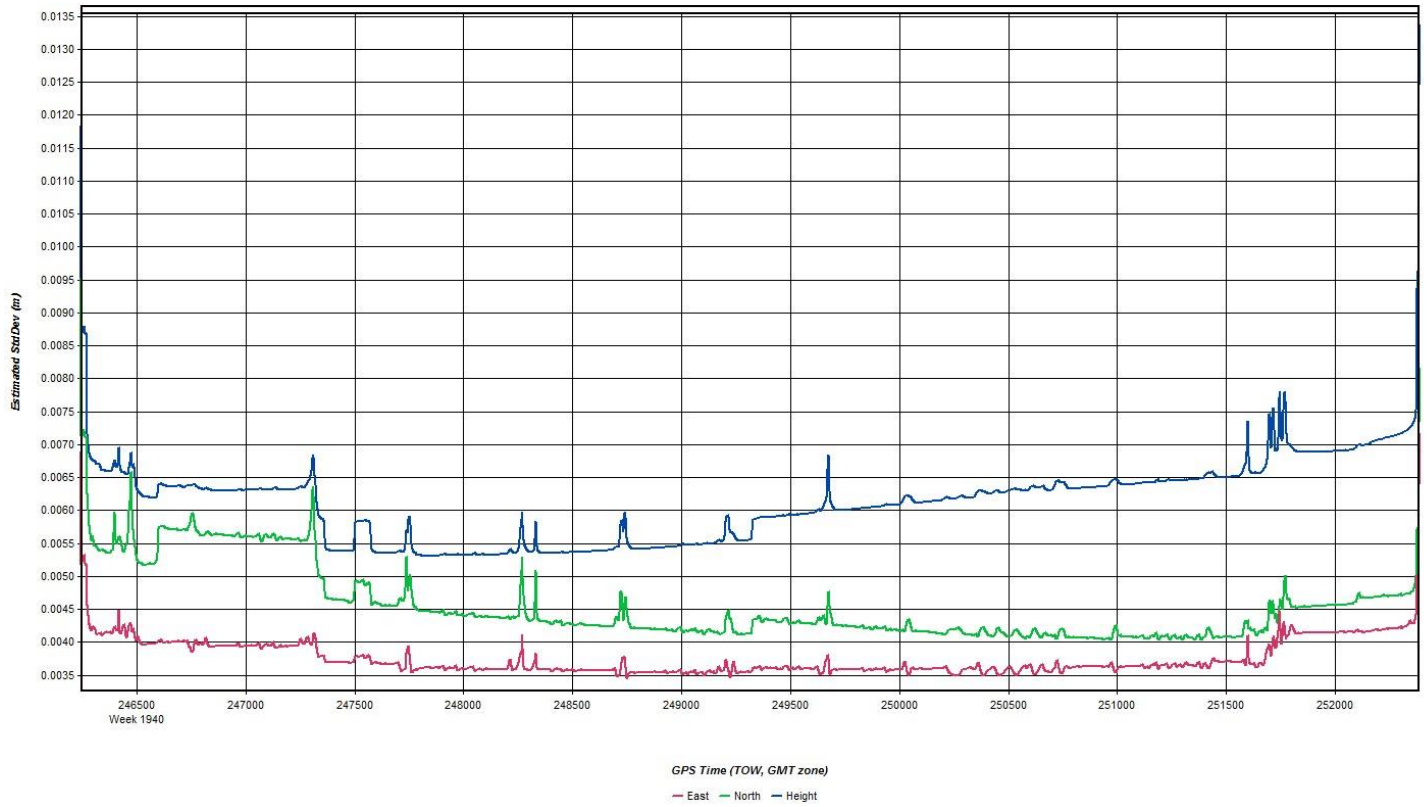


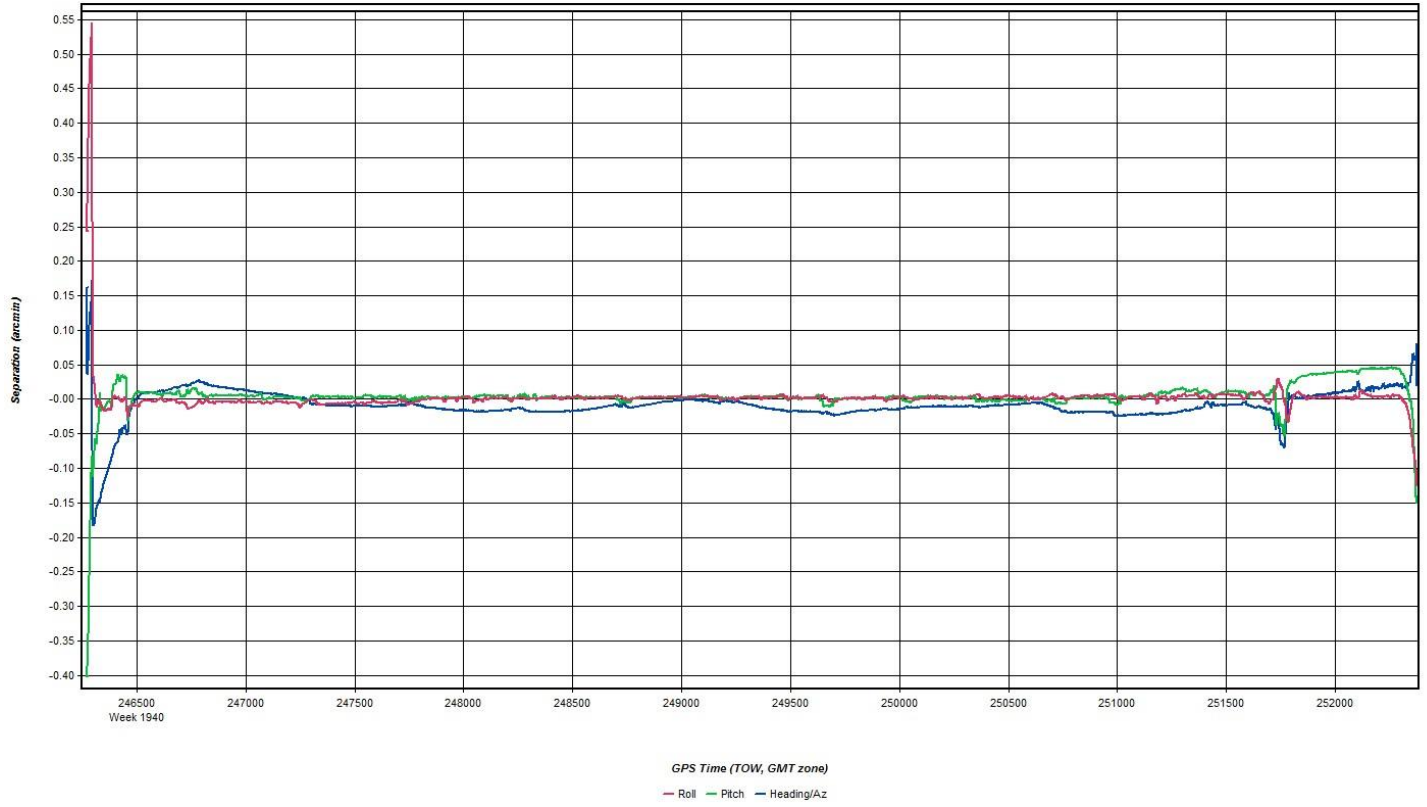












Coordinate/Antenna Settings

Master Remote

Base Station

1: P314 Name: P314 Disabled

File: F:\Proc\29724_Mendocino\20170314_SN8121_Mendocino_USGS_

Coordinates

Latitude: North 39 41 08.37750 Coord. options

Longitude: West 123 34 54.60003 Save to Favorites

Ellipsoidal height: 1252.398 m

Datum: WGS84 Proc Datum: WGS84

Epoch: year

Antenna Height

From station file: TRM29659.00, SCIT View STA File

Antenna profile: TRM29659.00, SCIT Info

Measured height: 0.008 m

ARP to L1 offset: 0.086 m

Applied height: 0.094 m

Measured to

ARP

L1 Phase Centre

Compute From Slant

OK Cancel

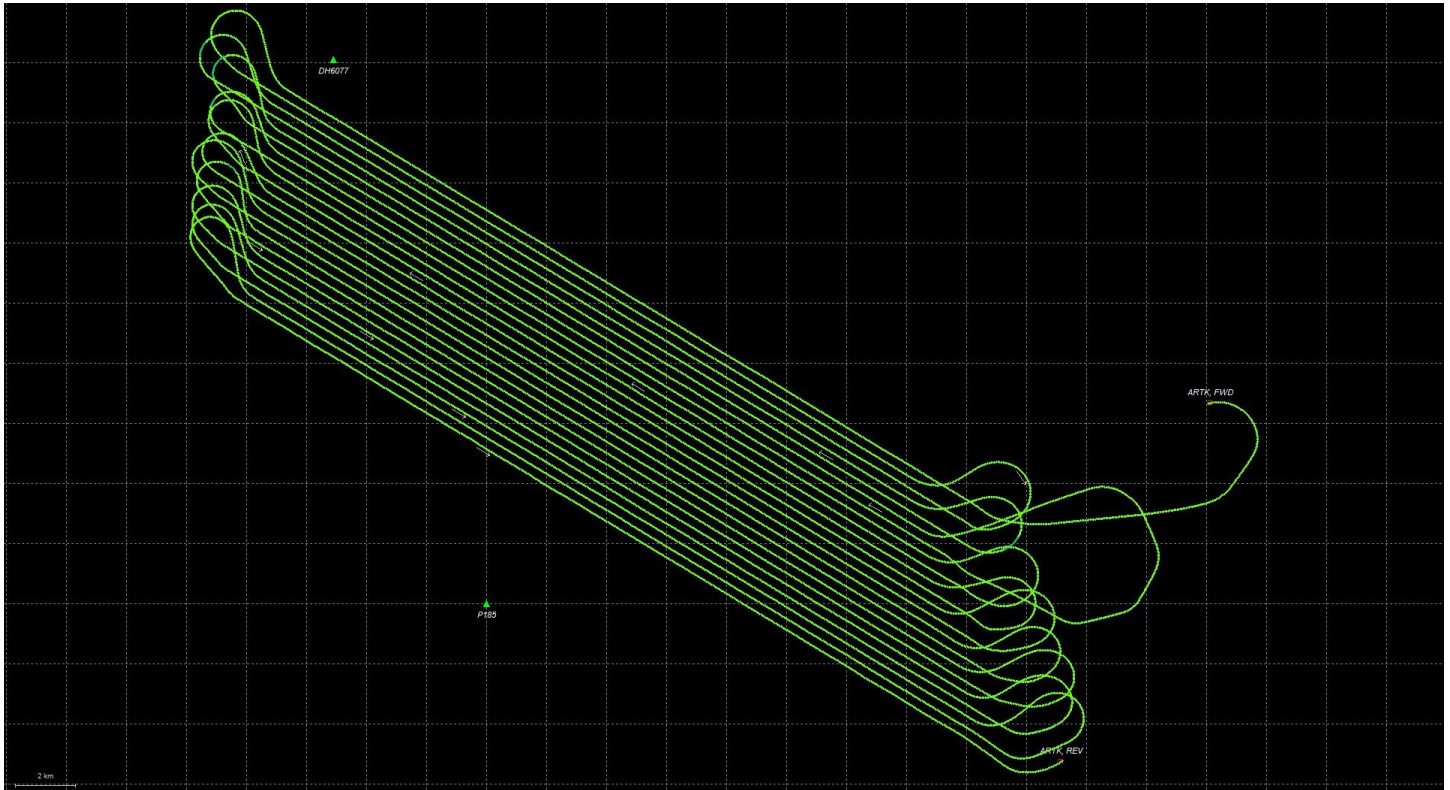
Flight Log

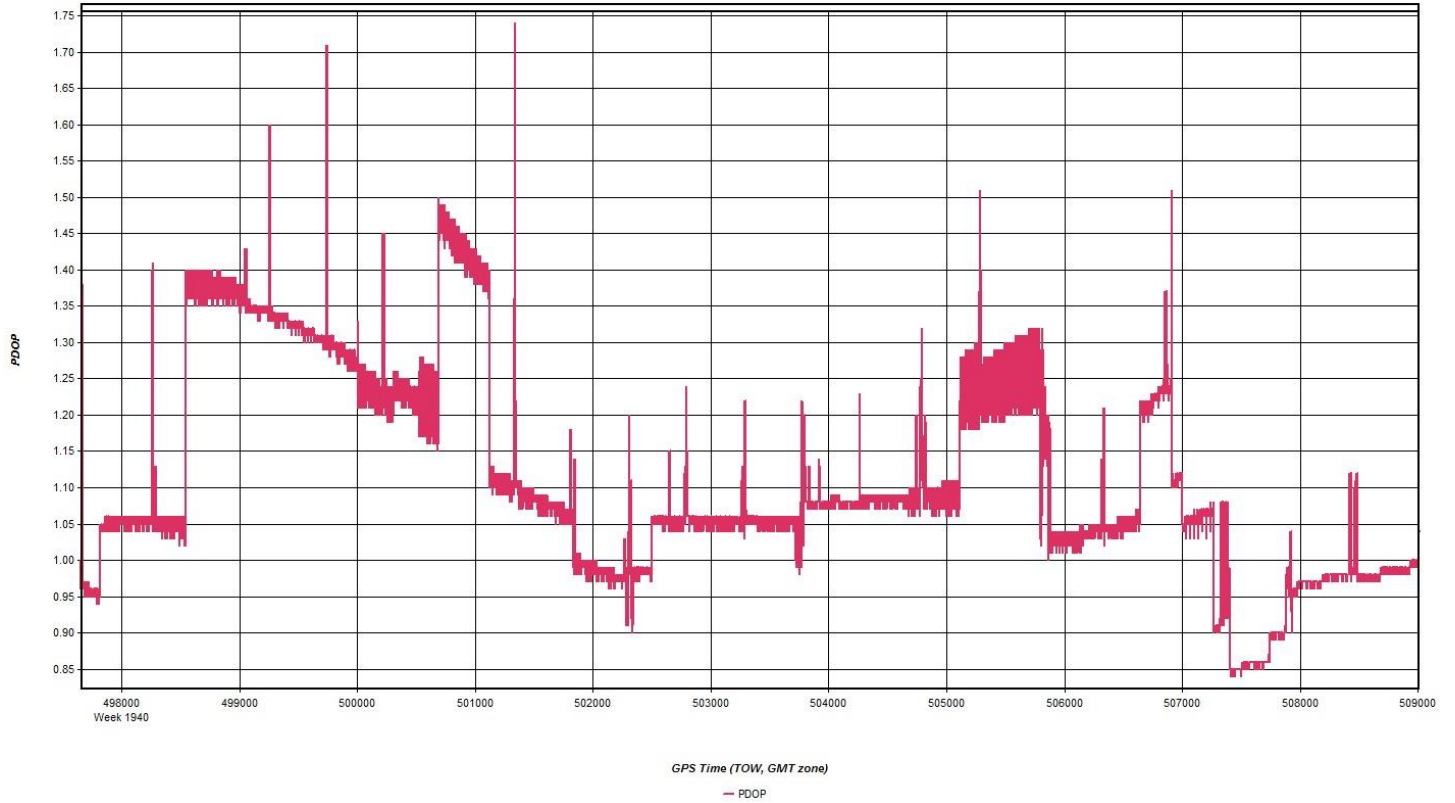
Date: 3/14/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Eric Petersen			Sensor Operator: Jon Frech		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

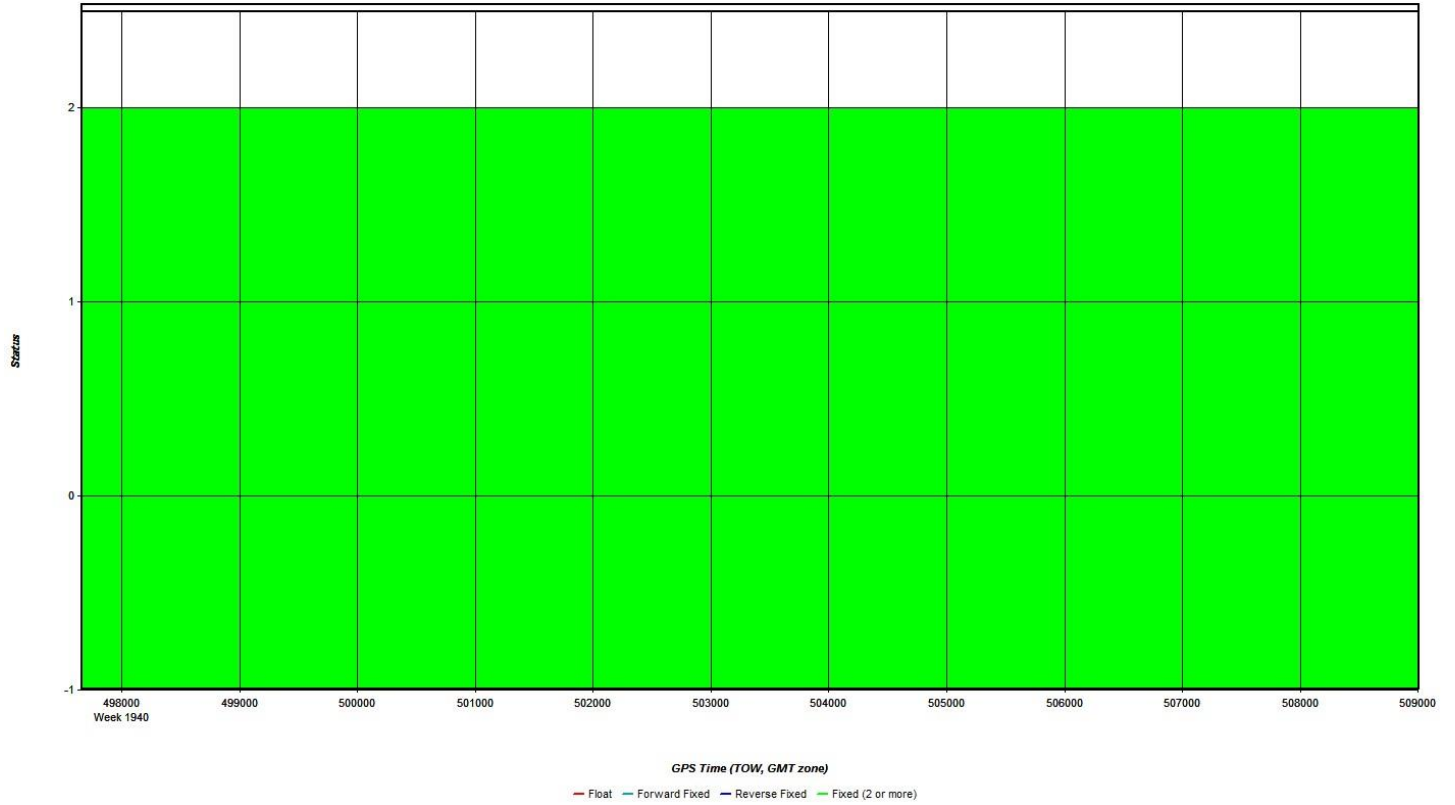
Flt Mgmt File: FAGL_Mendocino_SN8121

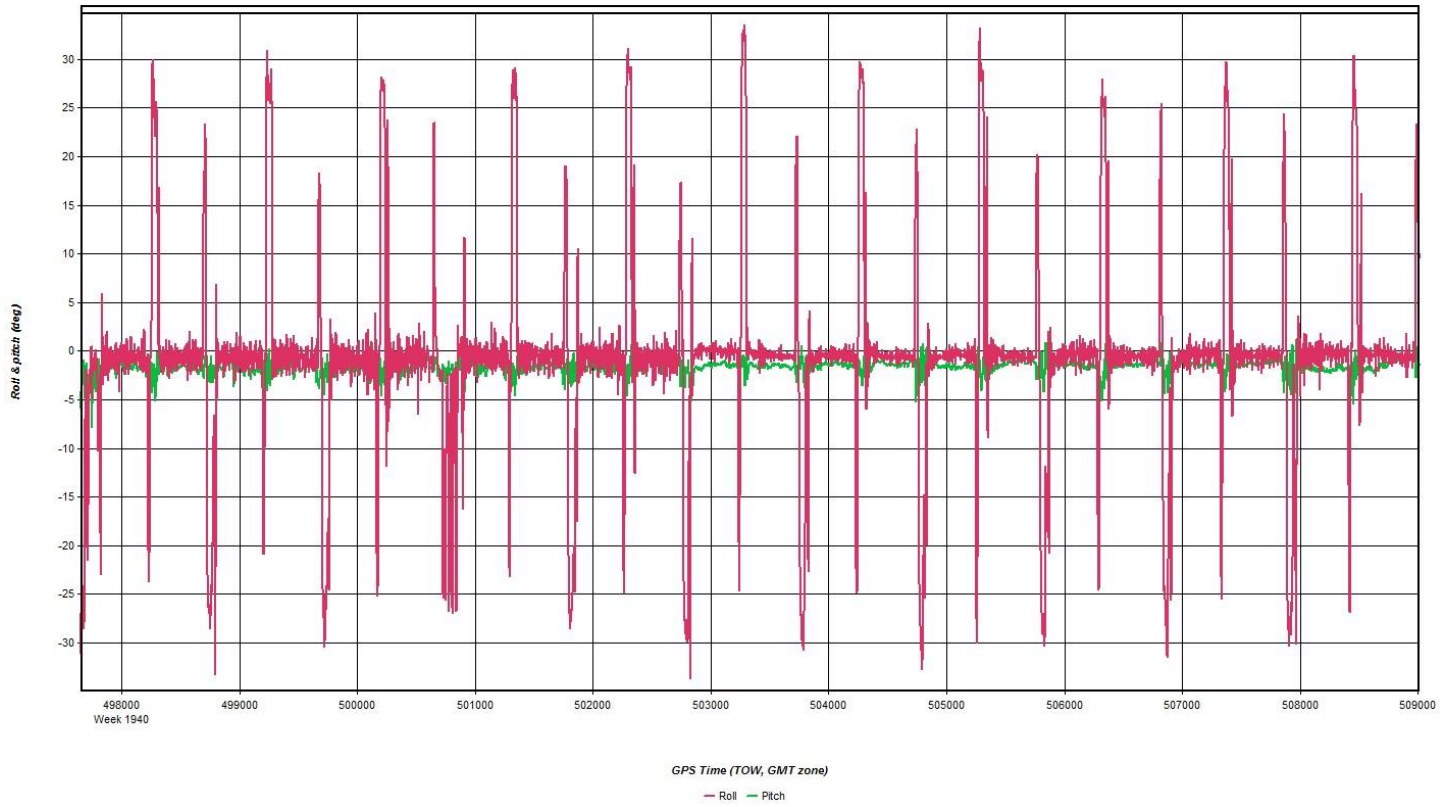
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
265	1875.117 m	20:34:35	48.13065592	2259.537 m	20:40:26	48.11590536
266	2245.836 m	20:42:20	48.07605052	1852.442 m	20:47:56	47.84349248
267	1860.747 m	20:50:04	47.77988678	2300.816 m	20:56:13	47.62381918
268	2297.237 m	20:58:57	47.50933336	1929.226 m	21:04:32	47.18504729
269	1929.349 m	21:06:19	47.09722699	2105.320 m	21:12:24	46.80679683
270	2104.902 m	21:14:23	46.68794358	1837.451 m	21:20:01	46.28051099
271	1863.206 m	21:21:57	46.15092686	2181.786 m	21:26:06	45.87321426
271	1868.346 m	21:43:27	44.41300674	2112.560 m	21:49:34	43.83659198
UL001	2119.571 m	21:53:01	43.50366578	2035.637 m	21:54:12	43.33820276

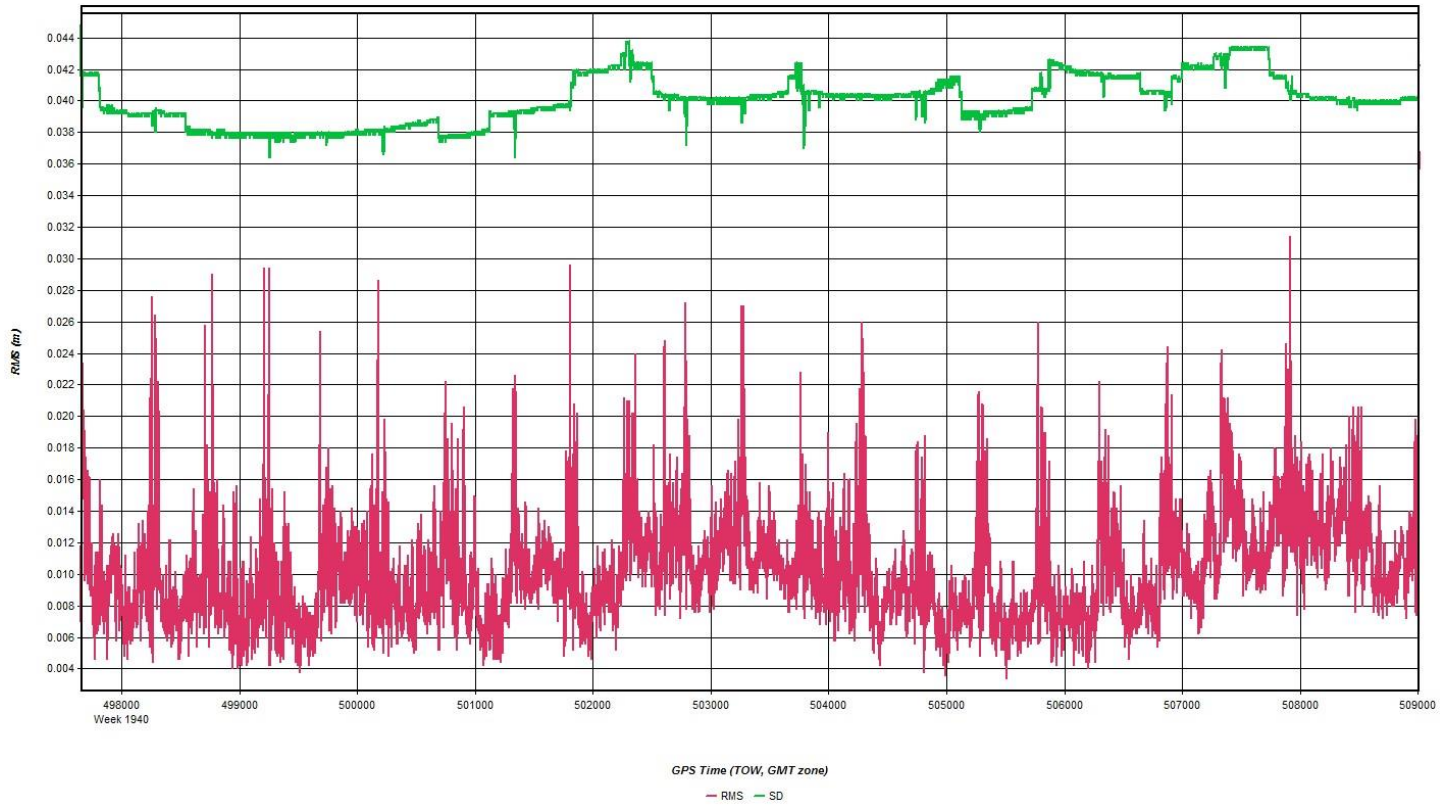
Mar 17, 2017-A (N704MD, SN8121)

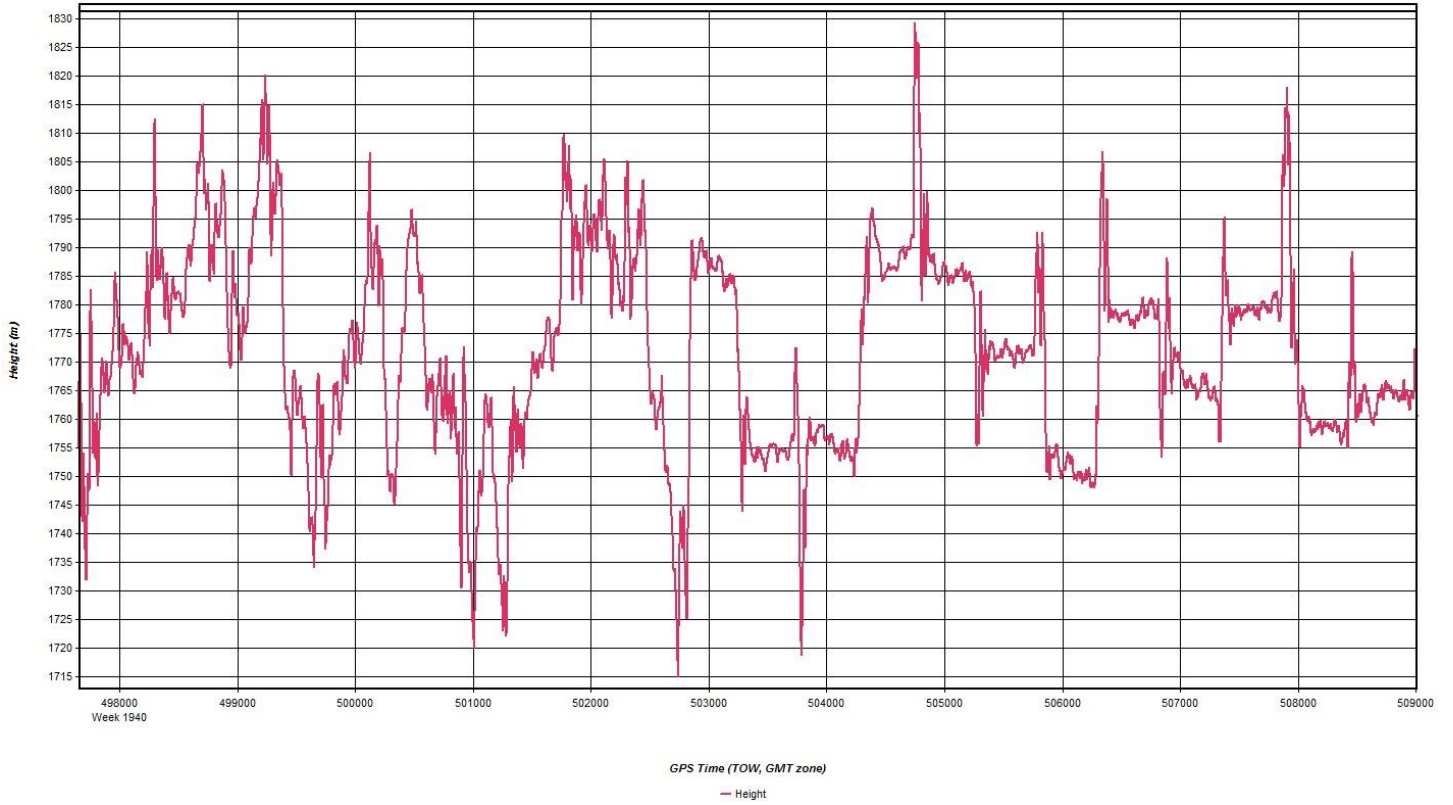


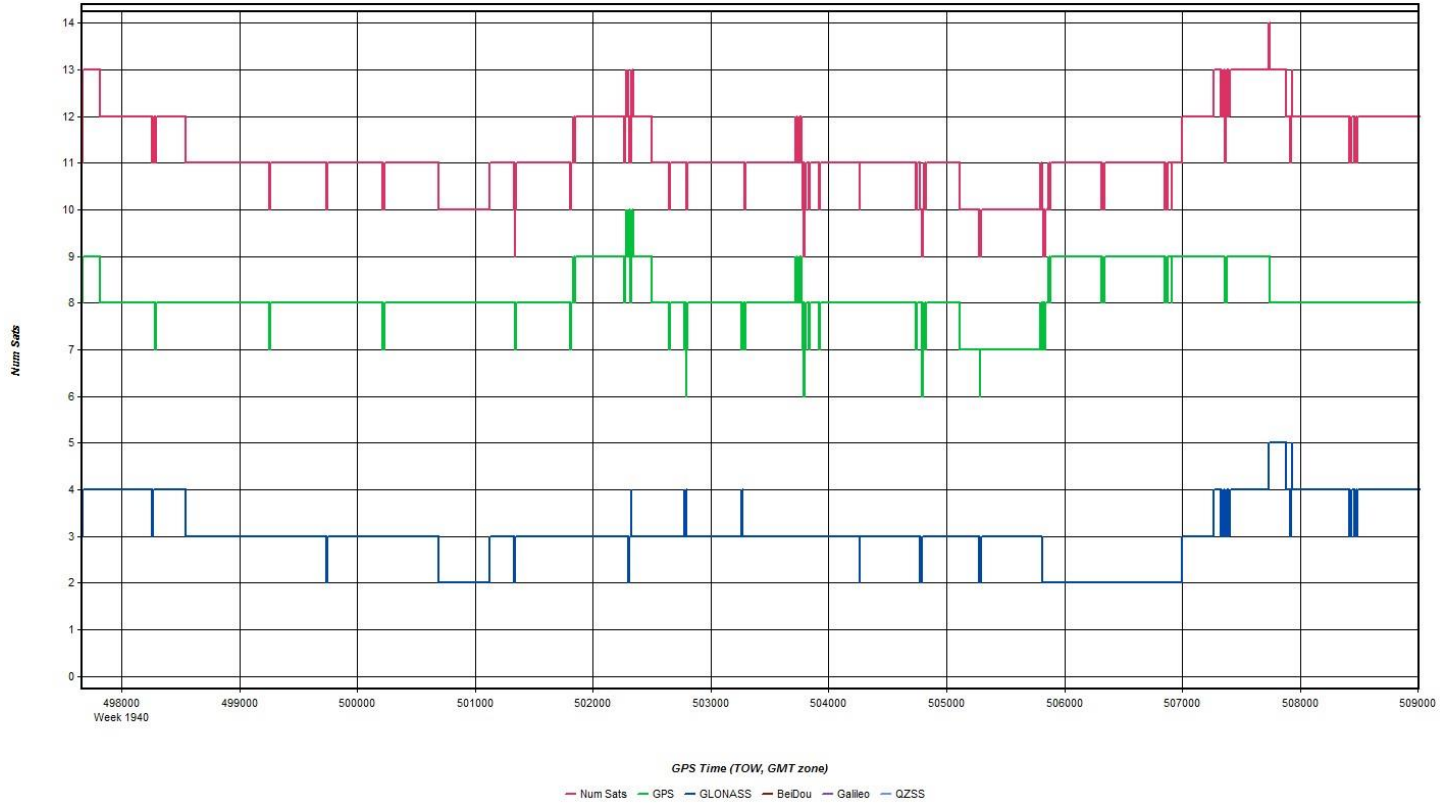


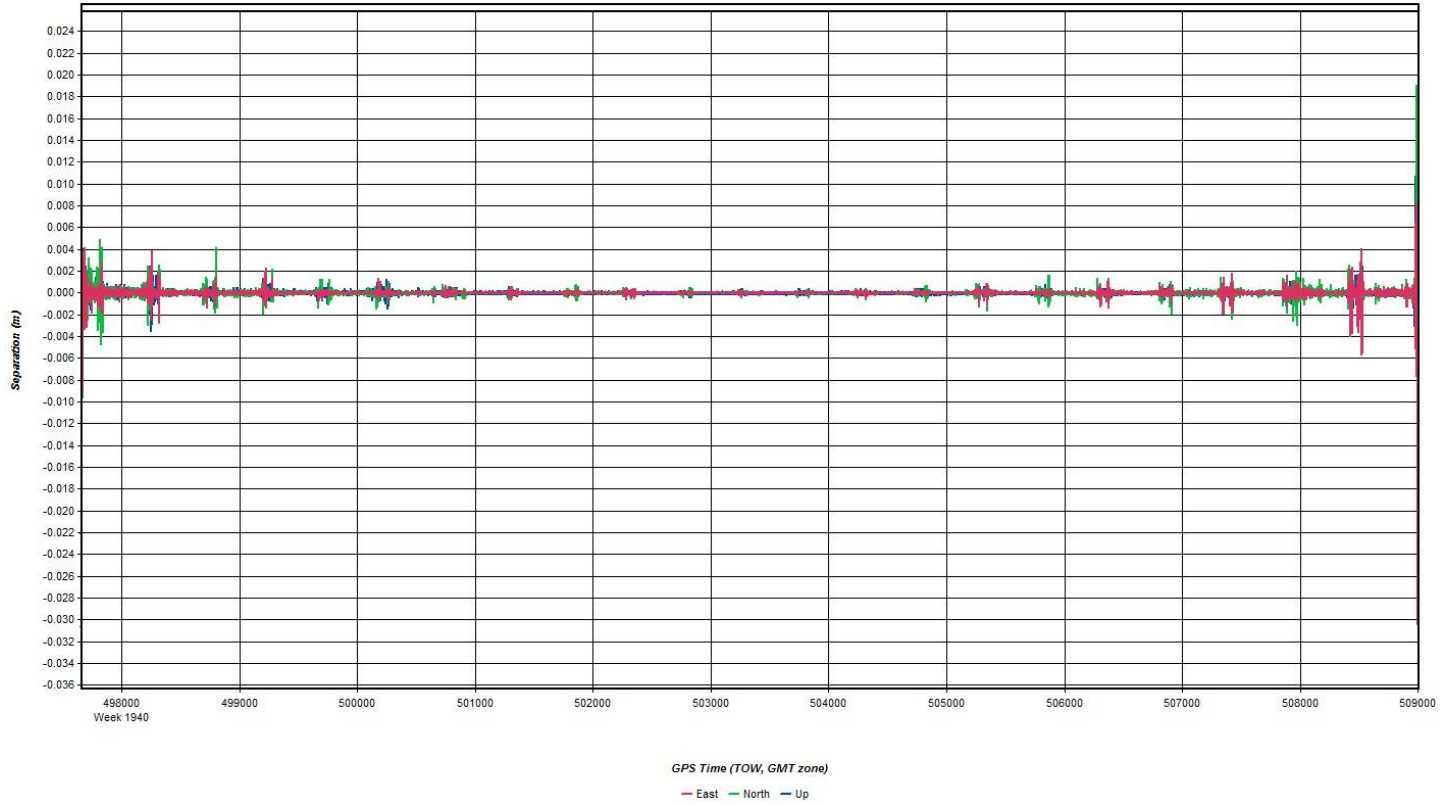


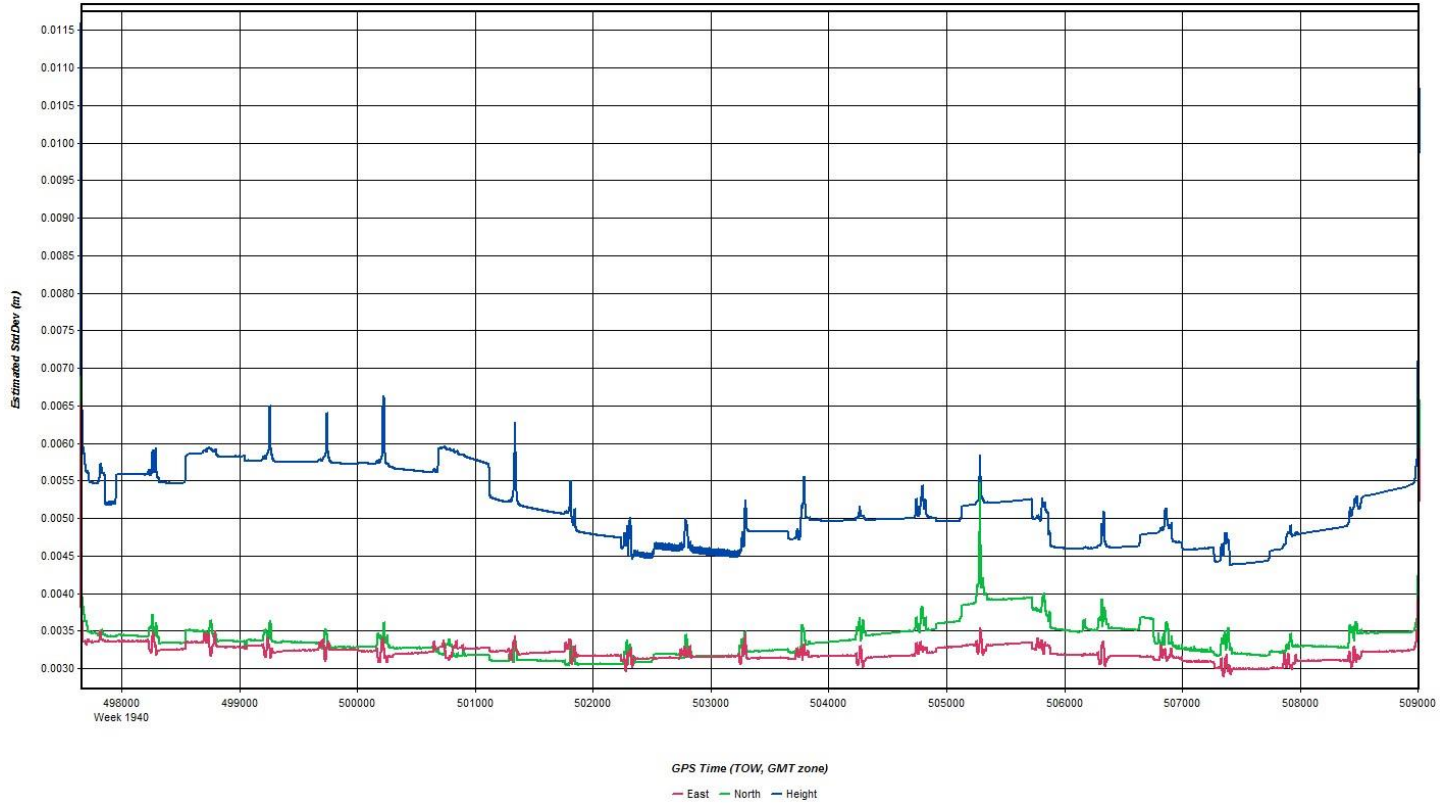


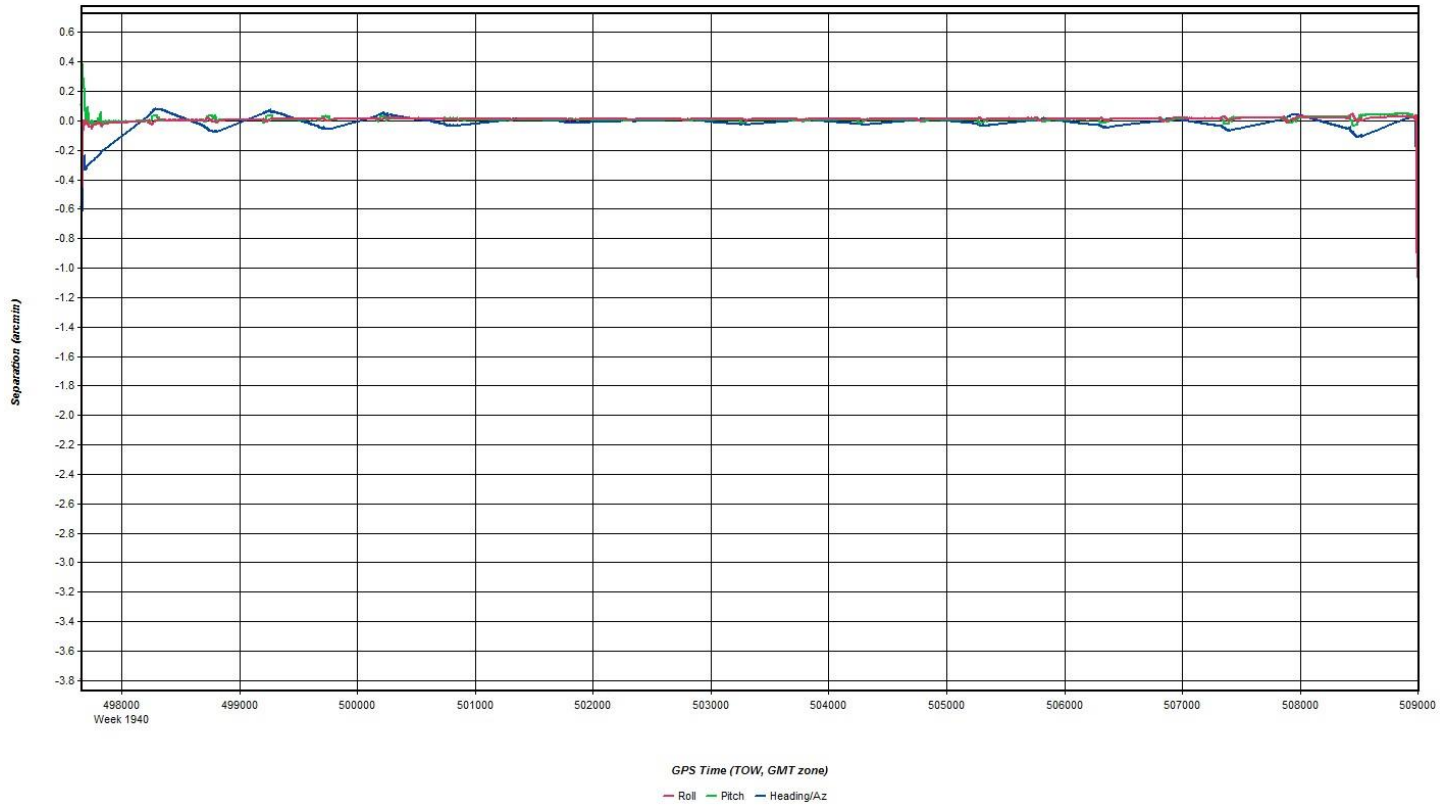












Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: DH6077 Name: DH6077 Disabled
 File: F:\Proc\29724_Mendocino\29724_Survey_3-27-17\Survey\2_Static

Coordinates
 Latitude: North 39 25 20.10738 Coord. options
 Longitude: West 123 48 28.62592 Save to Favorites
 Ellipsoidal height: 2.219 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 1.800 m
 ARP to L1 offset: 0.067 m
 Applied height: 1.867 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P185 Name: P185 Disabled
 File: F:\Proc\29724_Mendocino\20170317_SN8121_Mendocino_USGS_

Coordinates
 Latitude: North 39 15 40.67991 Coord. options
 Longitude: West 123 44 57.55474 Save to Favorites
 Ellipsoidal height: 146.834 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM29659.00, SCIT View STA File
 Antenna profile: TRM29659.00, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.086 m
 Applied height: 0.094 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 3/17/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Eric Petersen			Sensor Operator: Jon Frech		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	9:25:00 AM				
Wheels Down	3:25:00 PM				
Begin Hobbs	11749.3				
End Hobbs	11755.2				
On-line Hobbs: 4. 9			Mob Hobbs: 1		

Notes

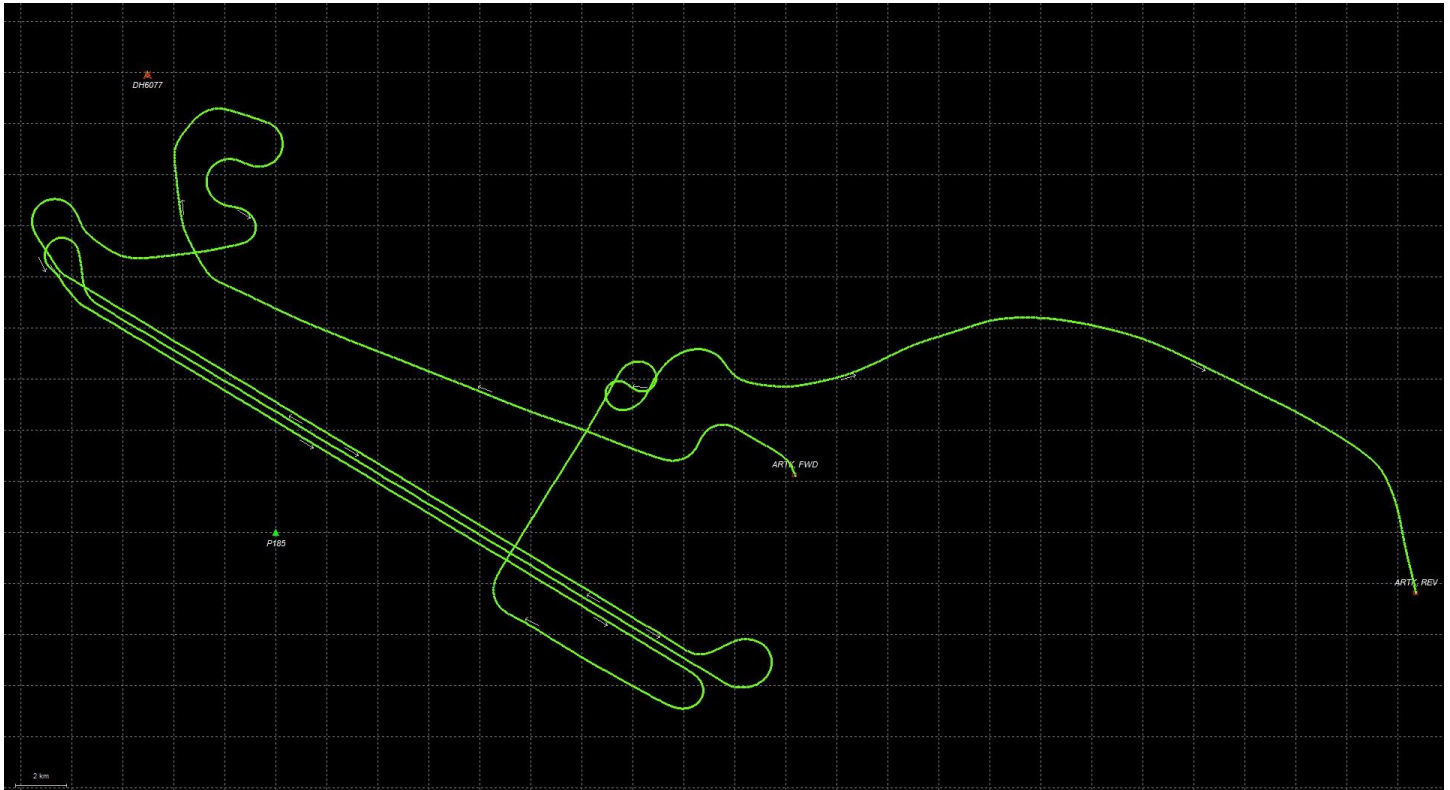
Flight includes Red Bluff project which we did first to let low lying fog burn off. Flight and hobbs times include both projects

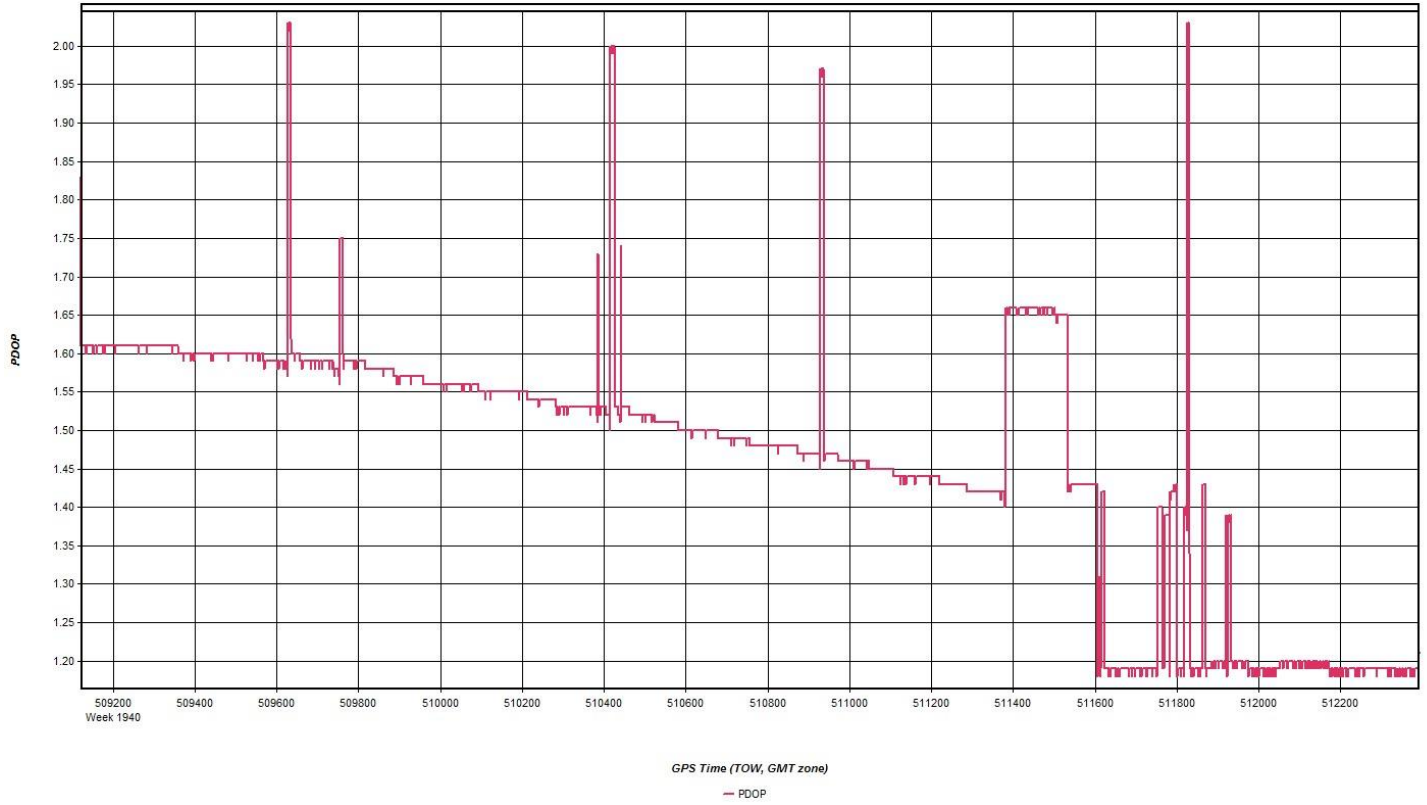
Flt Mgmt File: FAGL_Mendocino_SN8121

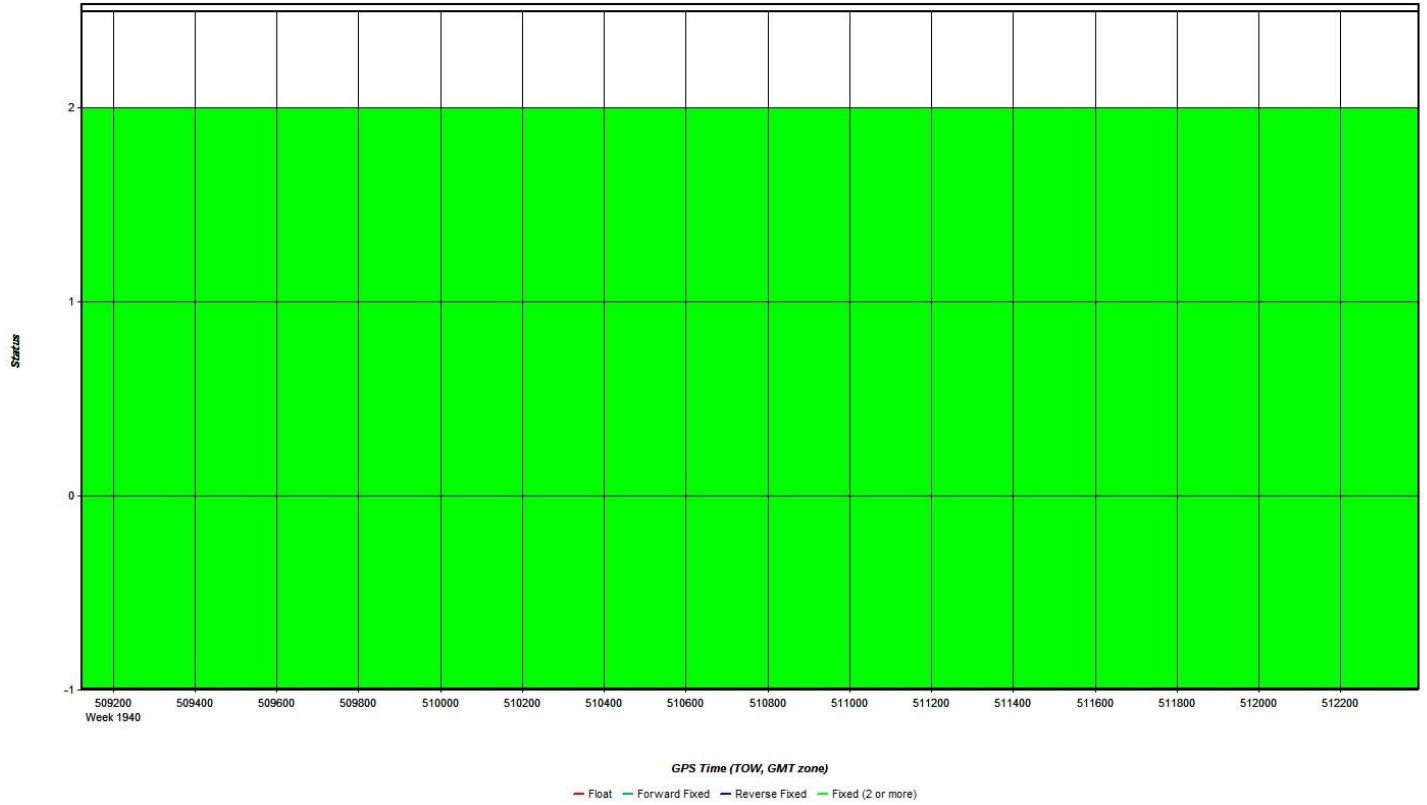
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
086	1767.445 m	18:17:35	40.54714982	1785.732 m	18:23:28	41.10870252
087	1788.151 m	18:25:25	41.35801833	1810.650 m	18:31:14	42.28819802
088	1796.222 m	18:33:37	42.58028195	1814.797 m	18:39:40	43.09070532
089	1802.130 m	18:41:33	43.31015180	1755.274 m	18:47:33	44.18204061
090	1757.284 m	18:49:41	44.41534677	1795.653 m	18:55:49	44.85728707
091	1753.673 m	18:57:41	45.04946678	1767.584 m	19:03:45	45.83245417
092	1773.603 m	19:08:28	46.26701310	1728.323 m	19:14:28	46.59835621
093	1760.241 m	19:16:14	46.74728495	1797.451 m	19:22:20	47.40592996
094	1792.139 m	19:24:33	47.57173769	1785.115 m	19:30:38	47.81513859

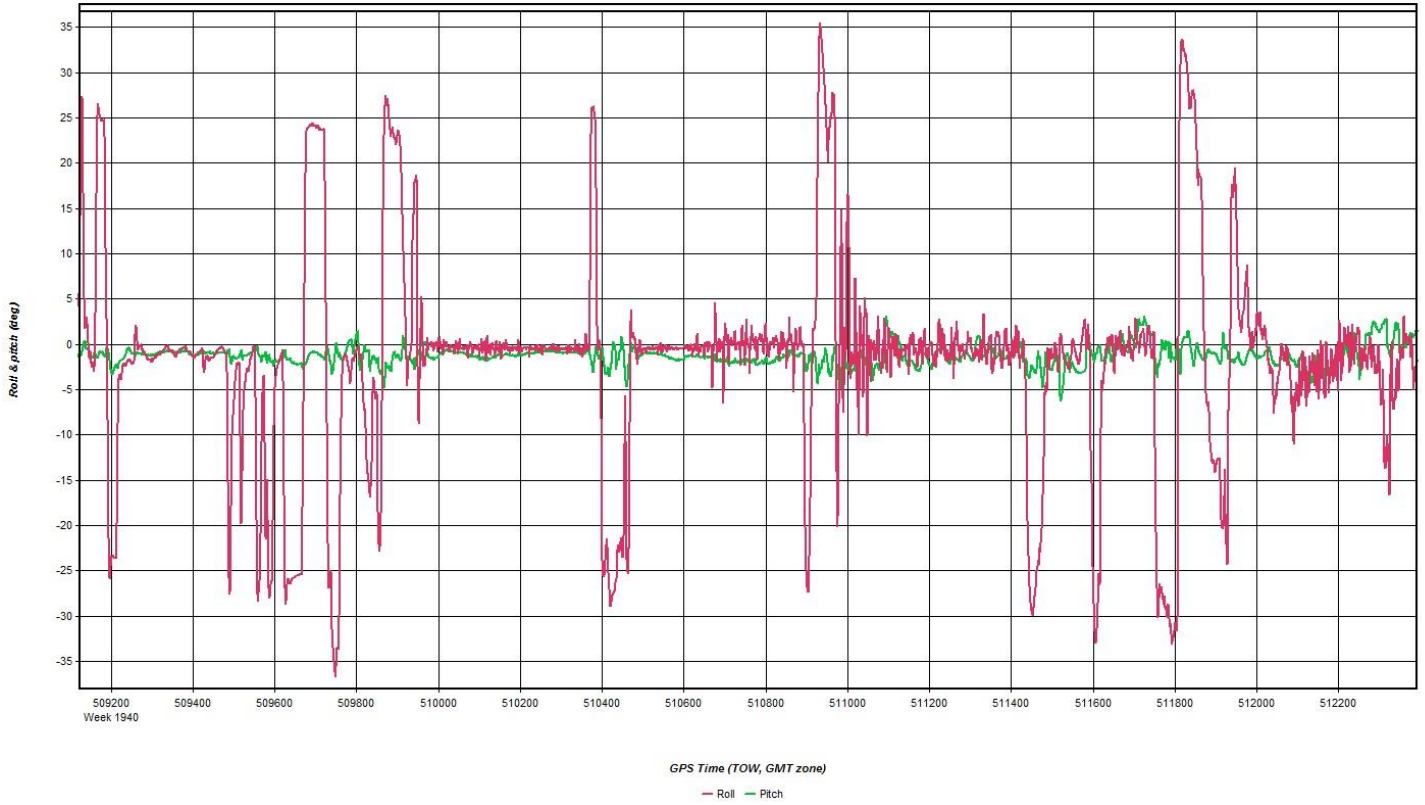
095	1790.656 m	19:32:30	47.93952994	1720.620 m	19:38:38	48.47660365
096	1793.601 m	19:40:44	48.59483491	1786.544 m	19:46:58	48.74321033
097	1760.805 m	19:48:41	48.82548610	1757.000 m	19:55:00	49.23481811
098	1762.369 m	19:57:17	49.31698360	1757.076 m	20:03:28	49.35215571
099	1788.857 m	20:05:28	49.40443158	1793.311 m	20:11:50	49.66358816
100	1793.336 m	20:14:03	49.69563005	1784.330 m	20:20:32	49.61586717
101	1770.333 m	20:22:31	49.62681035	1772.200 m	20:28:59	49.72204692
102	1751.467 m	20:31:17	49.70349035	1753.849 m	20:37:43	49.50249919
103	1783.855 m	20:39:43	49.46689877	1780.077 m	20:46:28	49.38708171
104	1771.843 m	20:48:40	49.31990779	1766.682 m	20:55:07	48.99981755
105	1781.193 m	20:57:07	48.91987091	1778.804 m	21:03:55	48.66564624
106	1773.869 m	21:06:15	48.54342209	1762.842 m	21:13:12	48.07948657

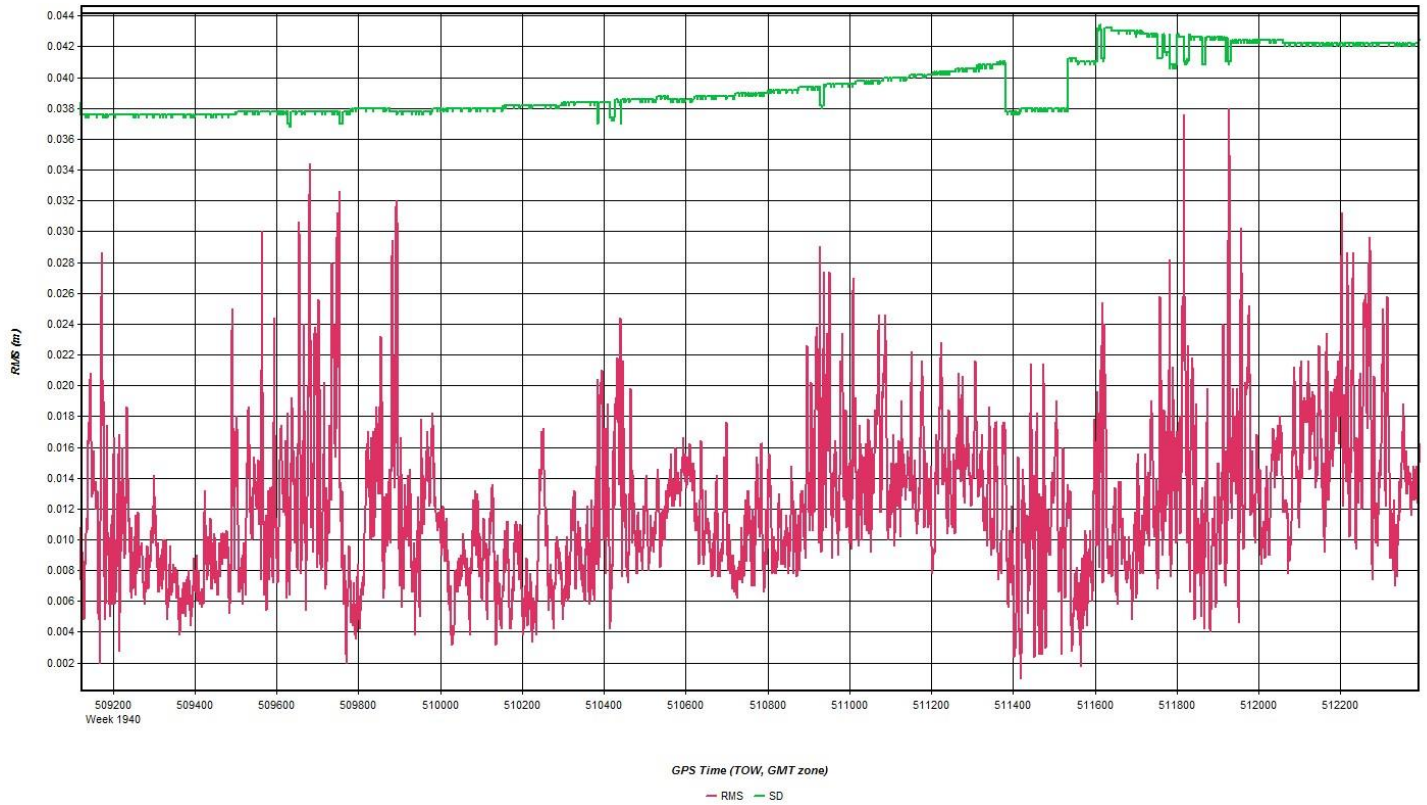
Mar 17, 2017-B (N704MD, SN8121)



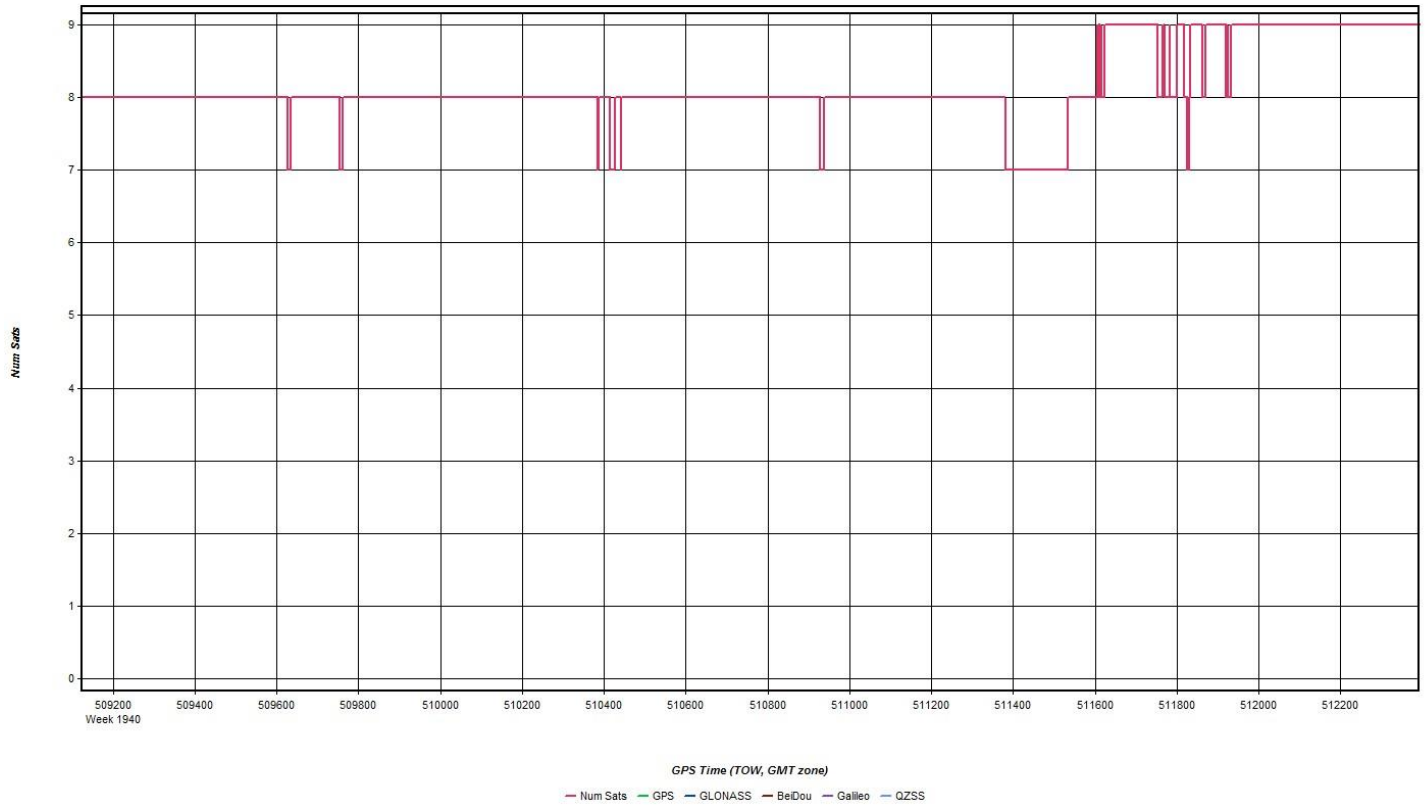


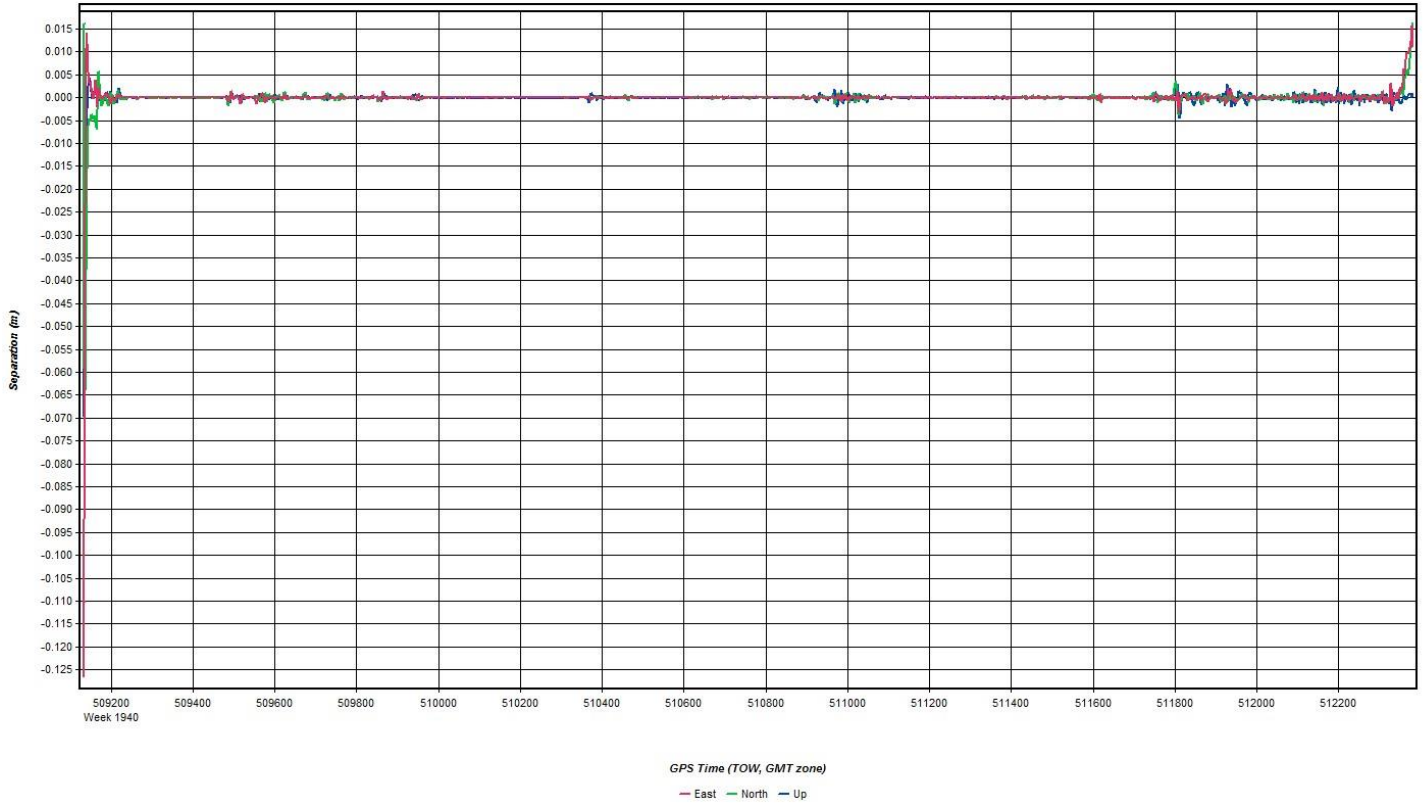


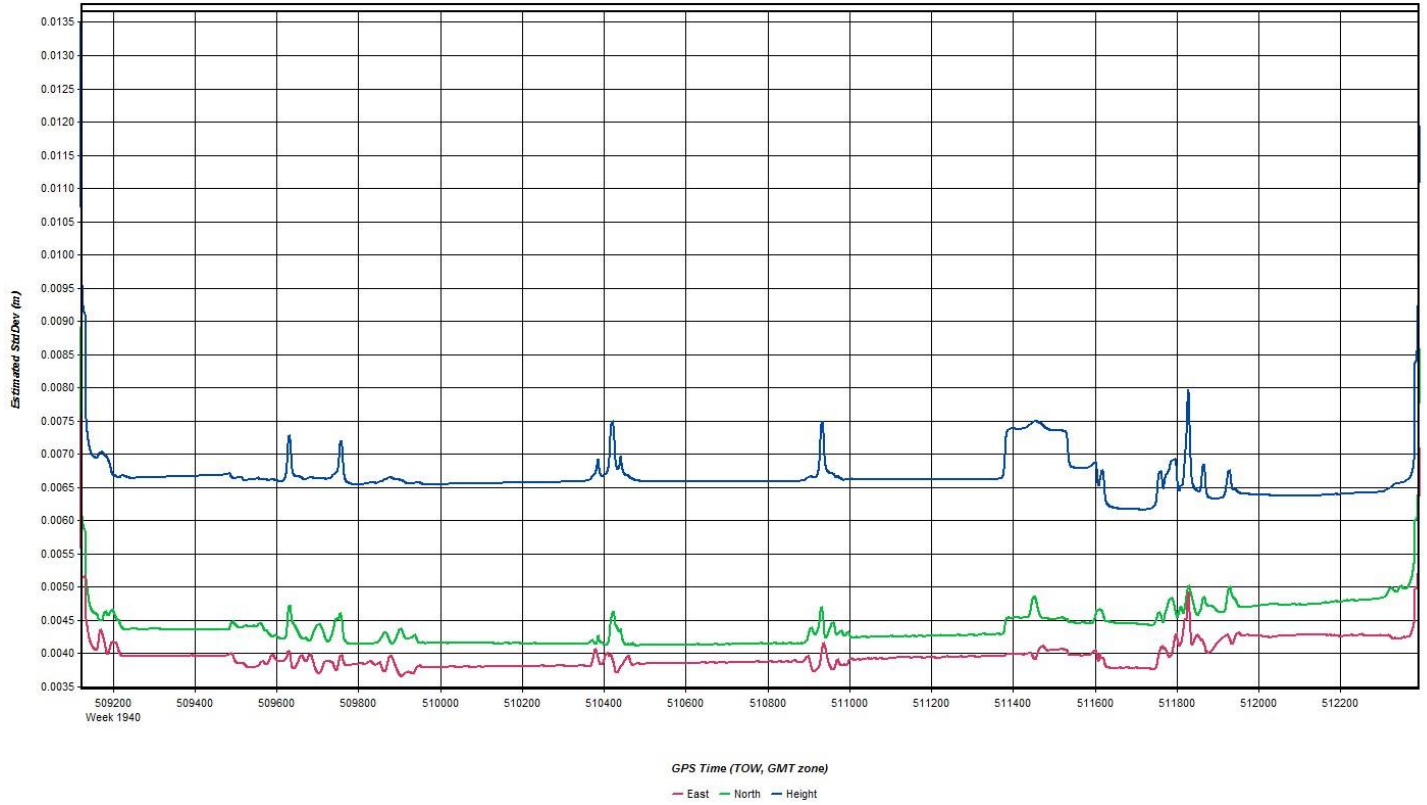


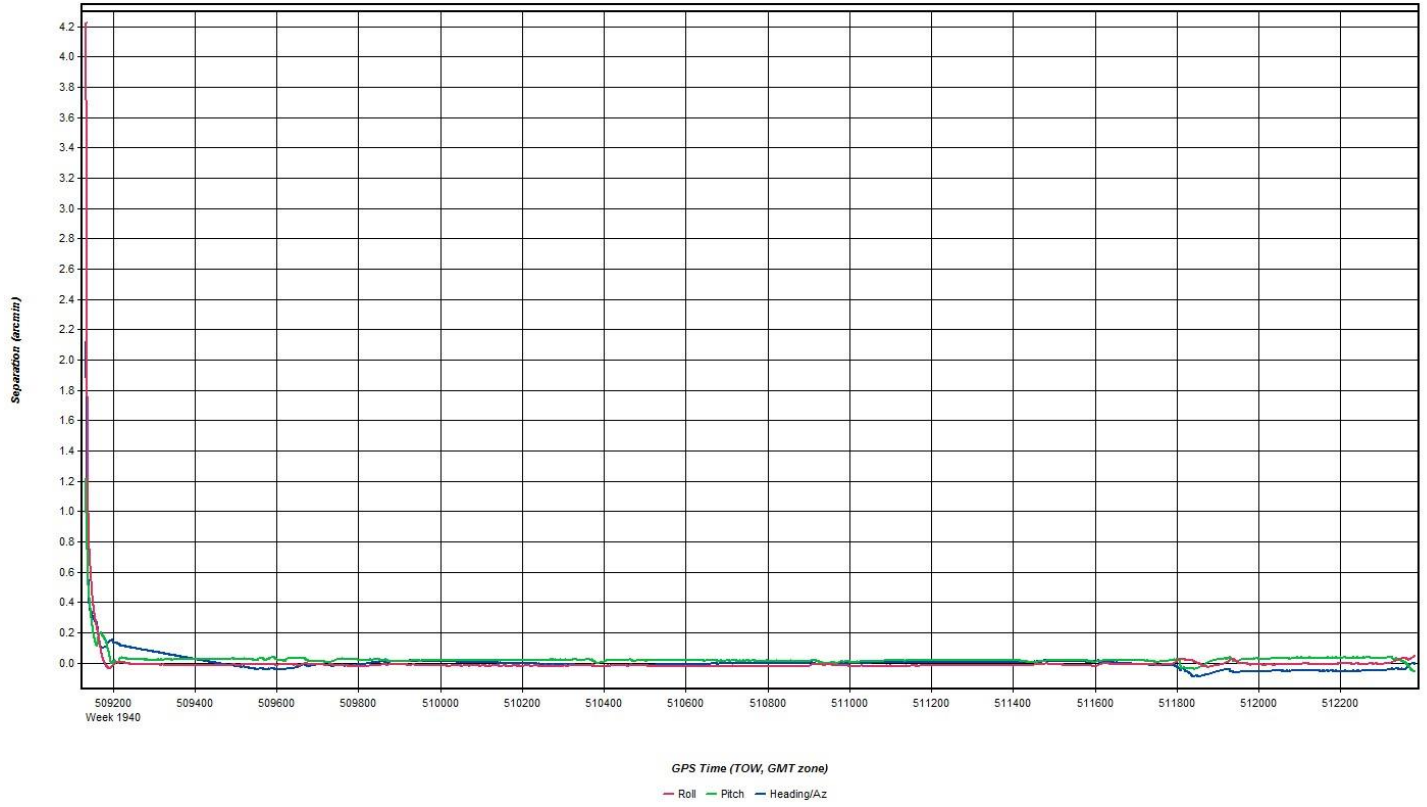












Coordinate/Antenna Settings

Master Remote

Base Station

1: P185 Name: P185 Disabled

File: F:\Proc\29724_Mendocino\20170317_SN8121_Mendocino_USGS_

Coordinates

Latitude: North 39 15 40.67991 Coord. options

Longitude: West 123 44 57.55474 Save to Favorites

Ellipsoidal height: 146.834 m

Datum: WGS84 Proc Datum: WGS84

Epoch: year

Antenna Height

From station file: TRM29659.00, SCIT View STA File

Antenna profile: TRM29659.00, SCIT Info

Measured height: 0.008 m

ARP to L1 offset: 0.086 m

Applied height: 0.094 m

Measured to

ARP

L1 Phase Centre

Compute From Slant

OK Cancel

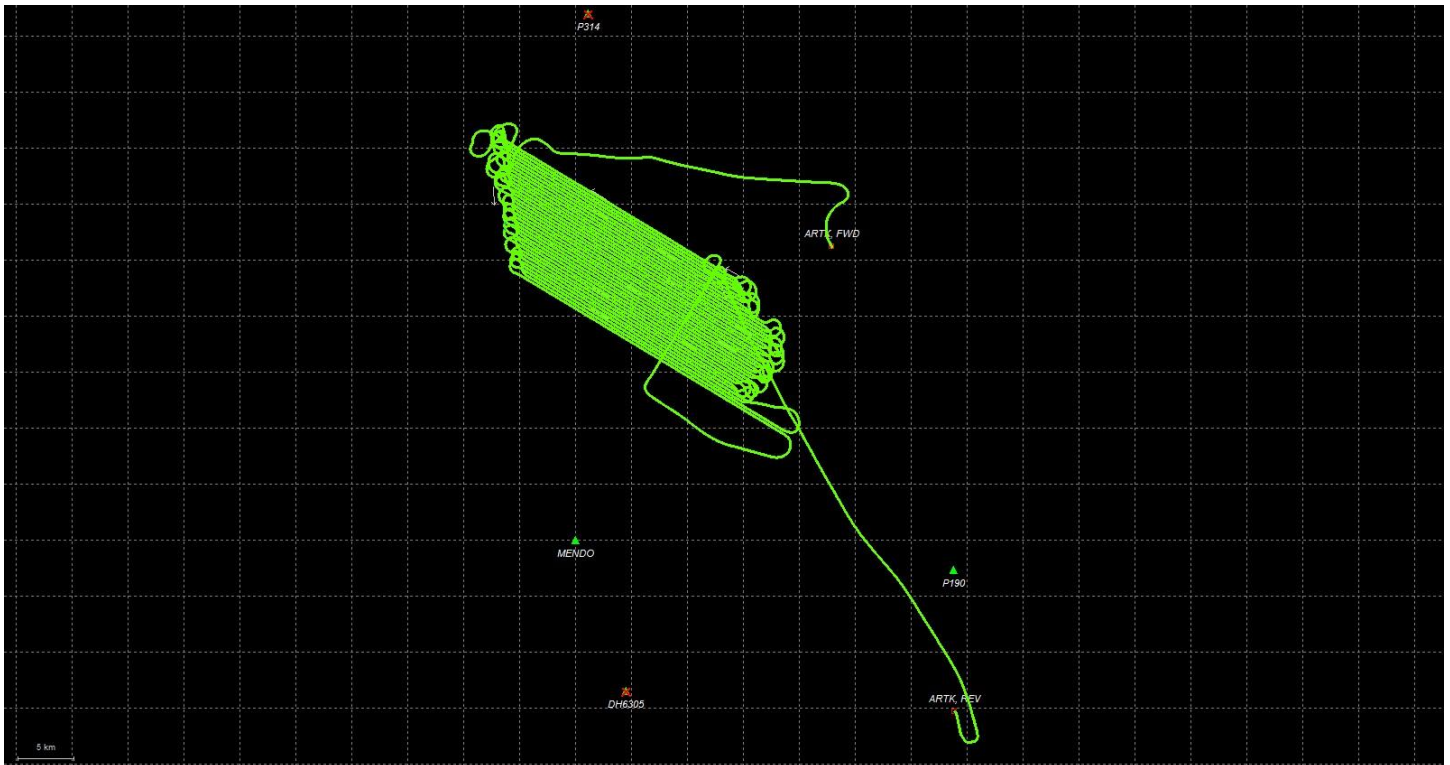
Flight Log

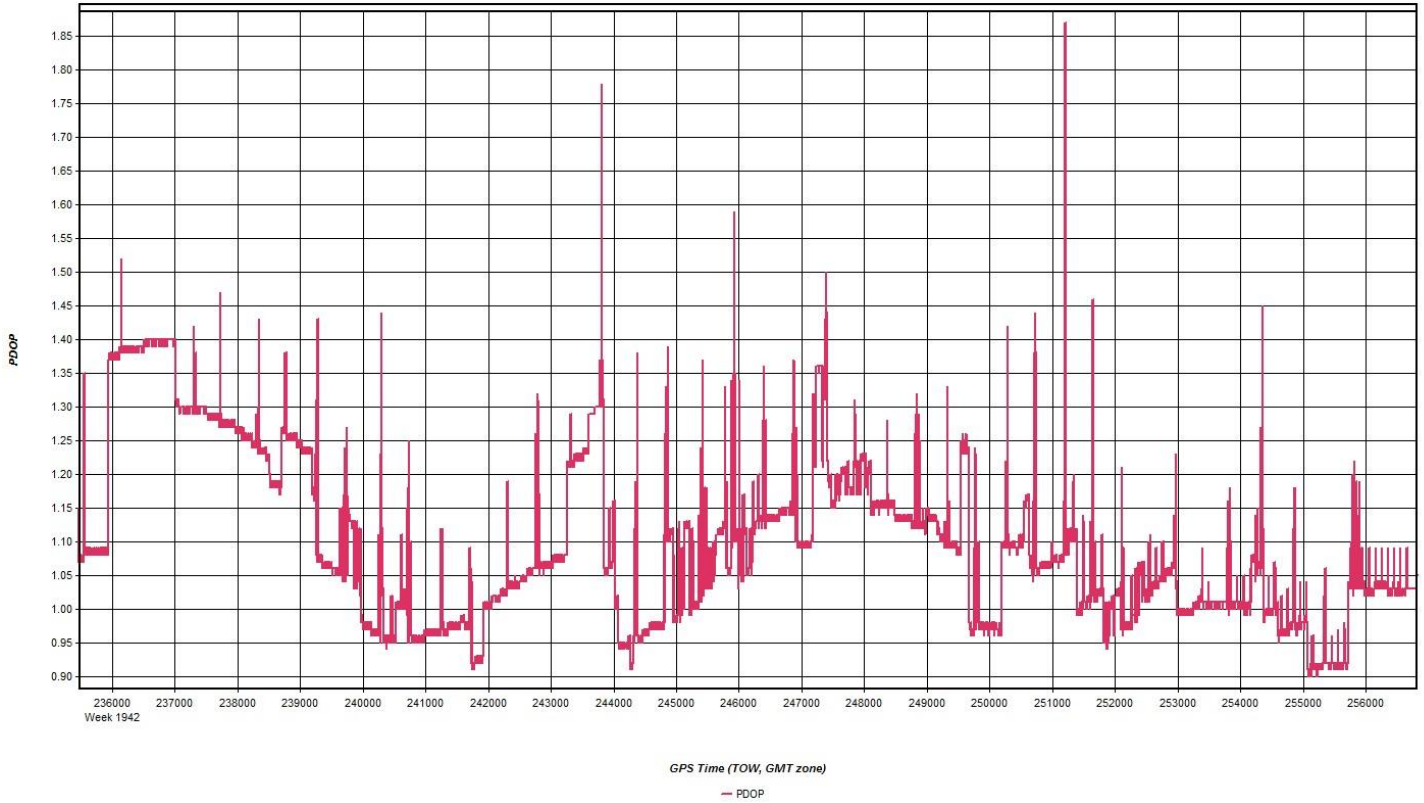
Date: 3/17/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Eric Petersen			Sensor Operator: Jon Frech		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

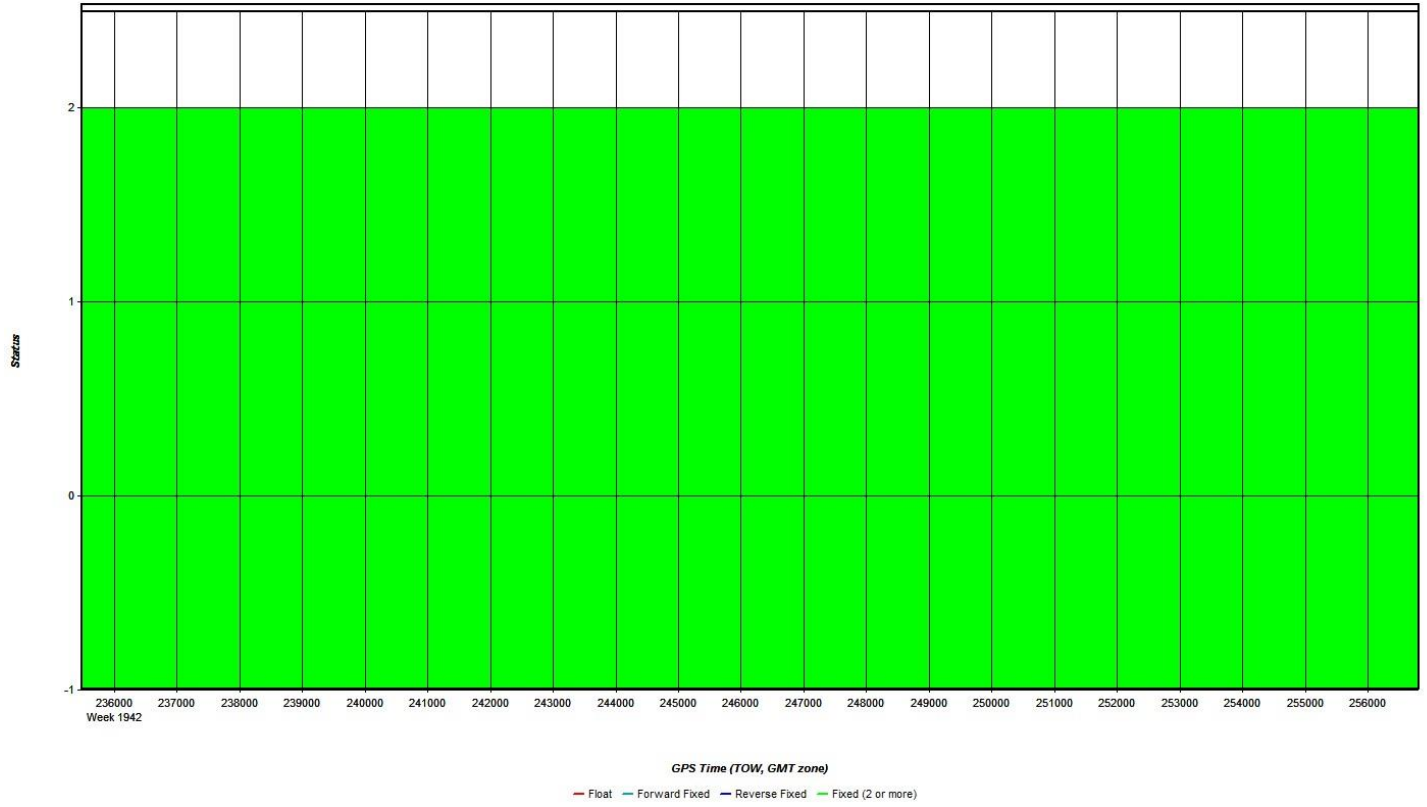
Flt Mgmt File: FAGL_Mendocino_SN8121

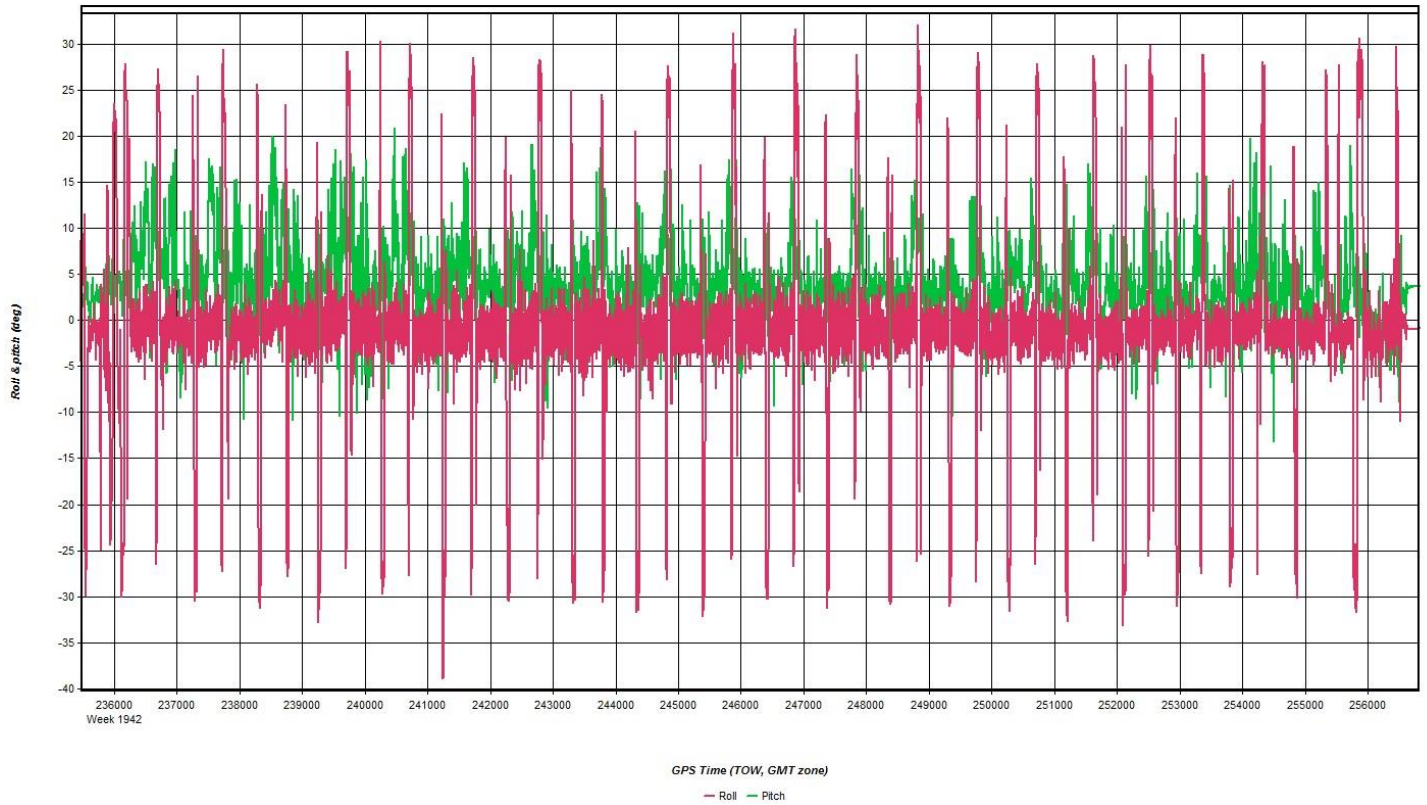
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
107	1784.482 m	21:39:04	46.10928046	1780.560 m	21:45:52	45.47783974
108	1770.219 m	21:47:53	45.28089857	1766.925 m	21:54:35	44.59892780
109	1824.914 m	21:56:44	44.37425004	1733.786 m	22:03:38	43.59626726
UL001	1745.037 m	22:06:45	43.24796013	1779.609 m	22:08:51	42.92485431

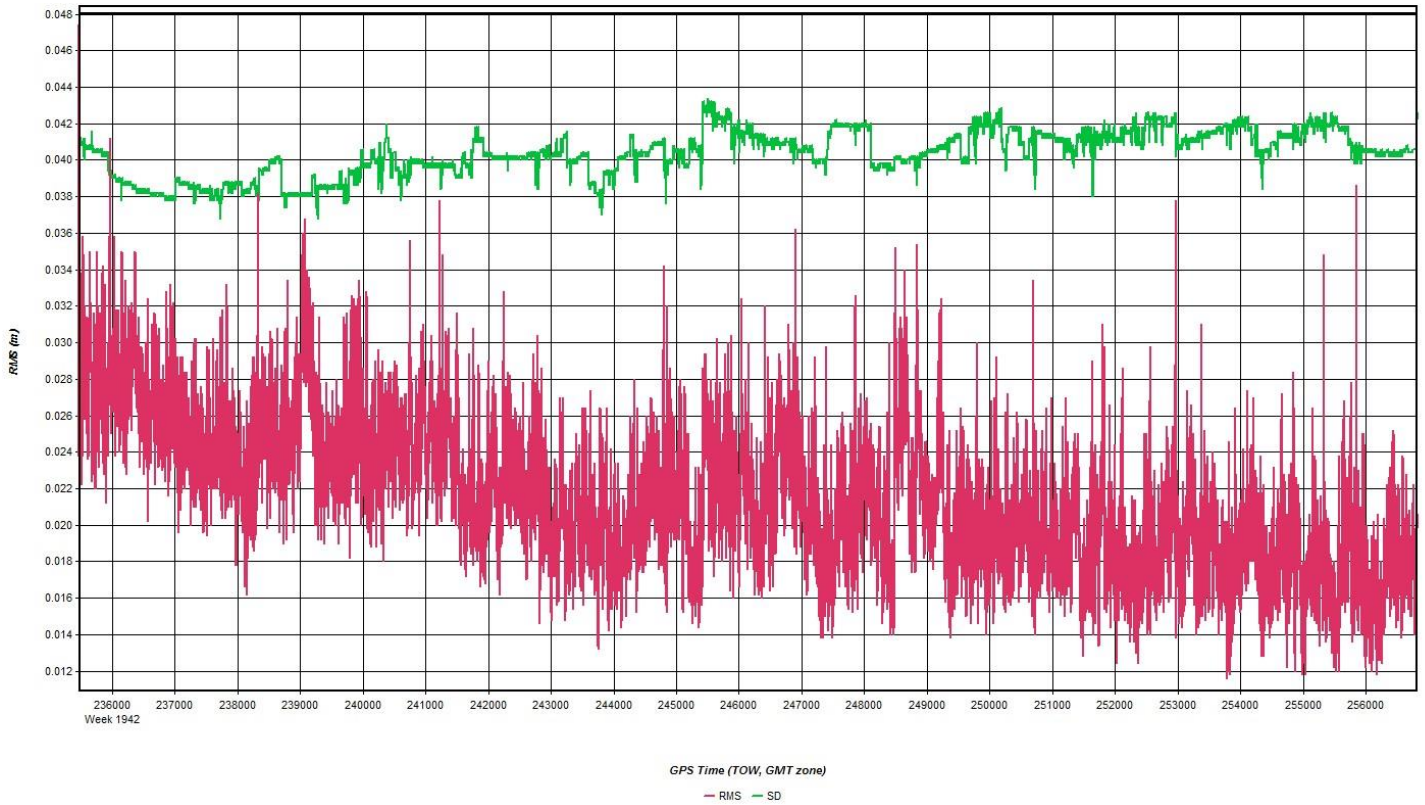
Mar 28, 2017-A (N208NR, SN8239)

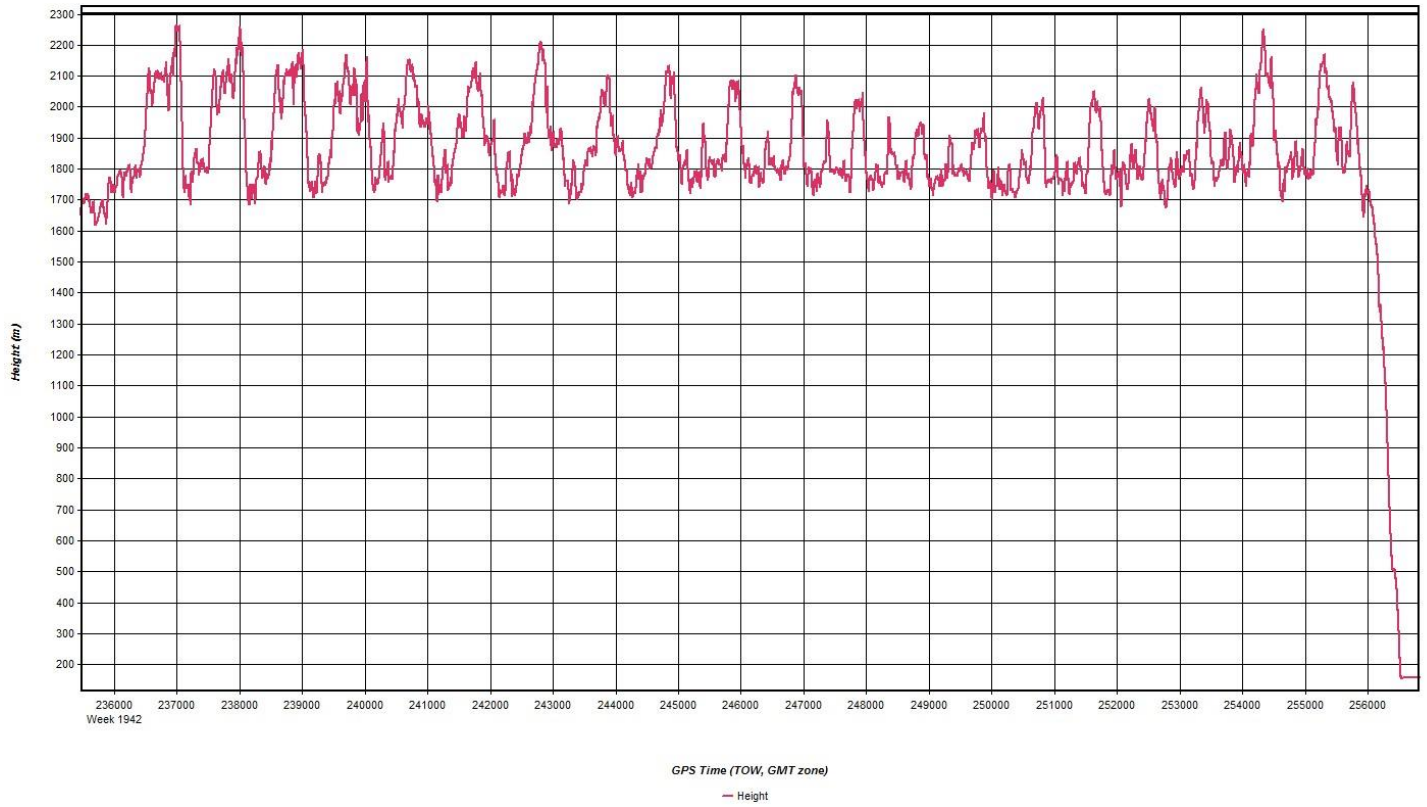


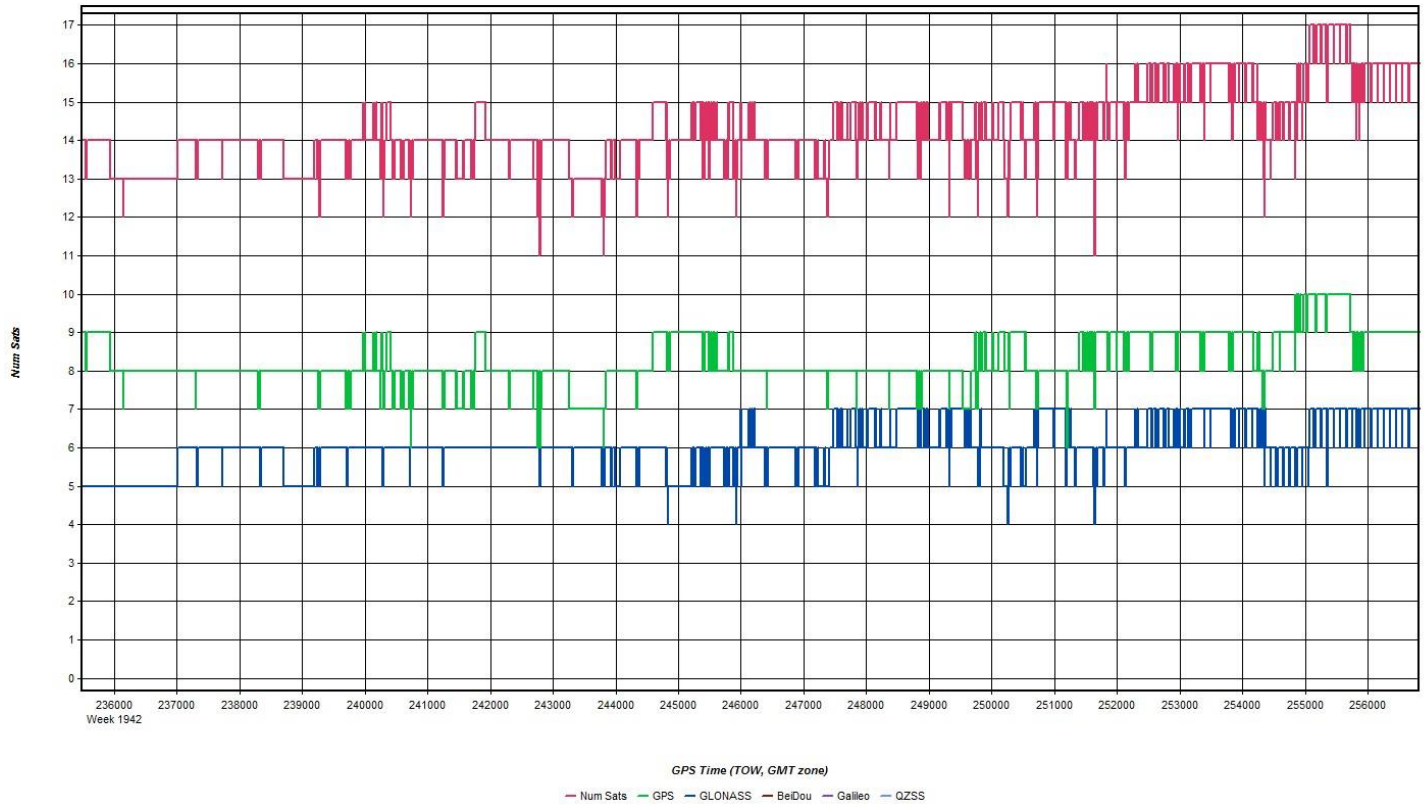


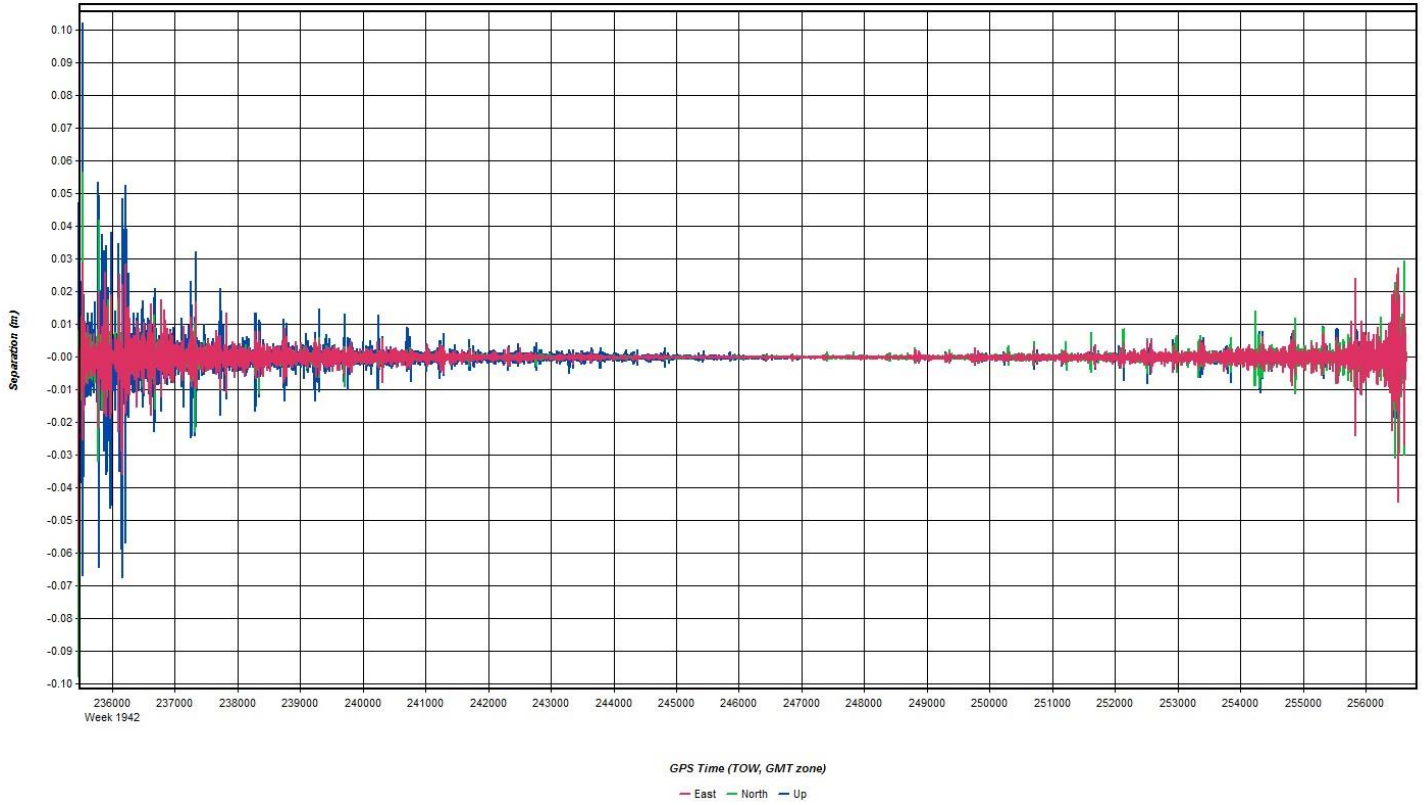


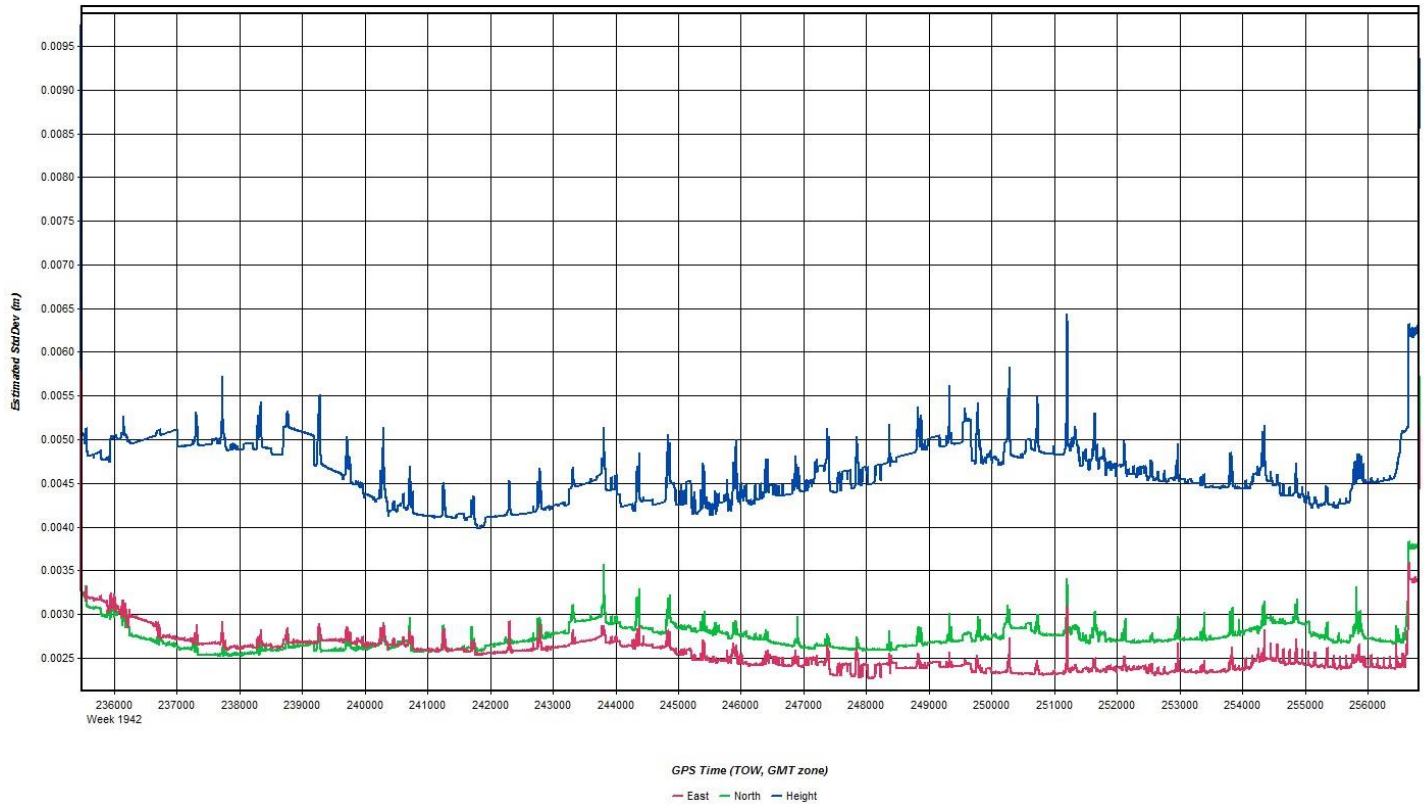


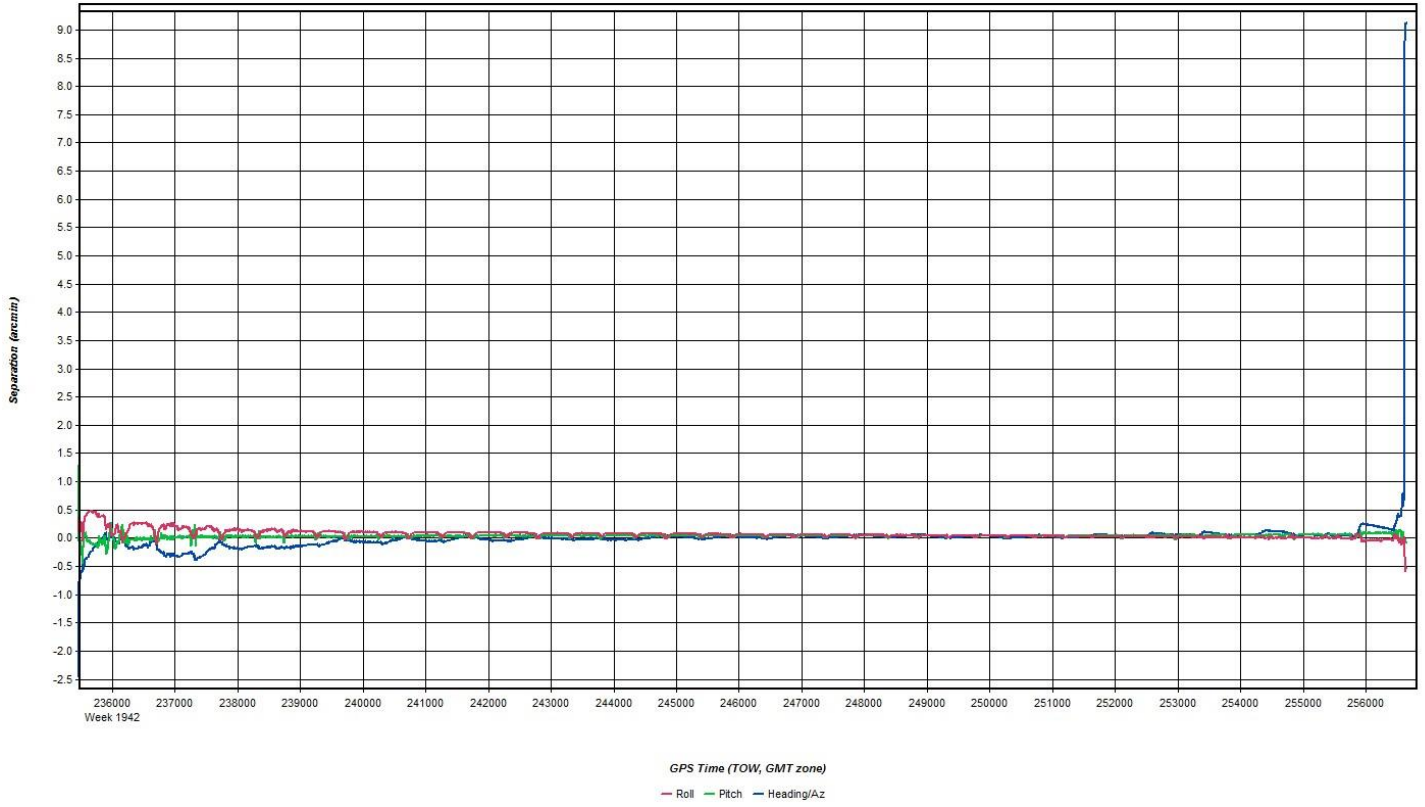












Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: MENDO Name: MENDO Disabled
 File: E:\29724_Mendocino\29724_USGS_Mendocino\From_Andre_Samp

Coordinates
 Latitude: North 39 15 55.07841 Coord. options
 Longitude: West 123 35 40.28506 Save to Favorites
 Ellipsoidal height: 25.581 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 1.800 m
 ARP to L1 offset: 0.067 m
 Applied height: 1.867 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 3: P190 Name: P190 Disabled
 File: E:\29724_Mendocino\29724_USGS_Mendocino\From_Andre_Samp

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 3/28/2017		Aircraft: 208NR		Sensor: 8239	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8239					
Pilot: Spencer Napor			Sensor Operator: Drew Johnston		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	10:07:00 AM				
Wheels Down	4:15:00 PM				
Begin Hobbs	4651.4				
End Hobbs	4657.5				
On-line Hobbs: 5. 5			Mob Hobbs: 0.6		

Notes

Delayed for am fog. Had position issues on our first lift, so we did an in air restart. Some turbulence in the middle of the flight. NO SWATH SHOWN IN INS2KML

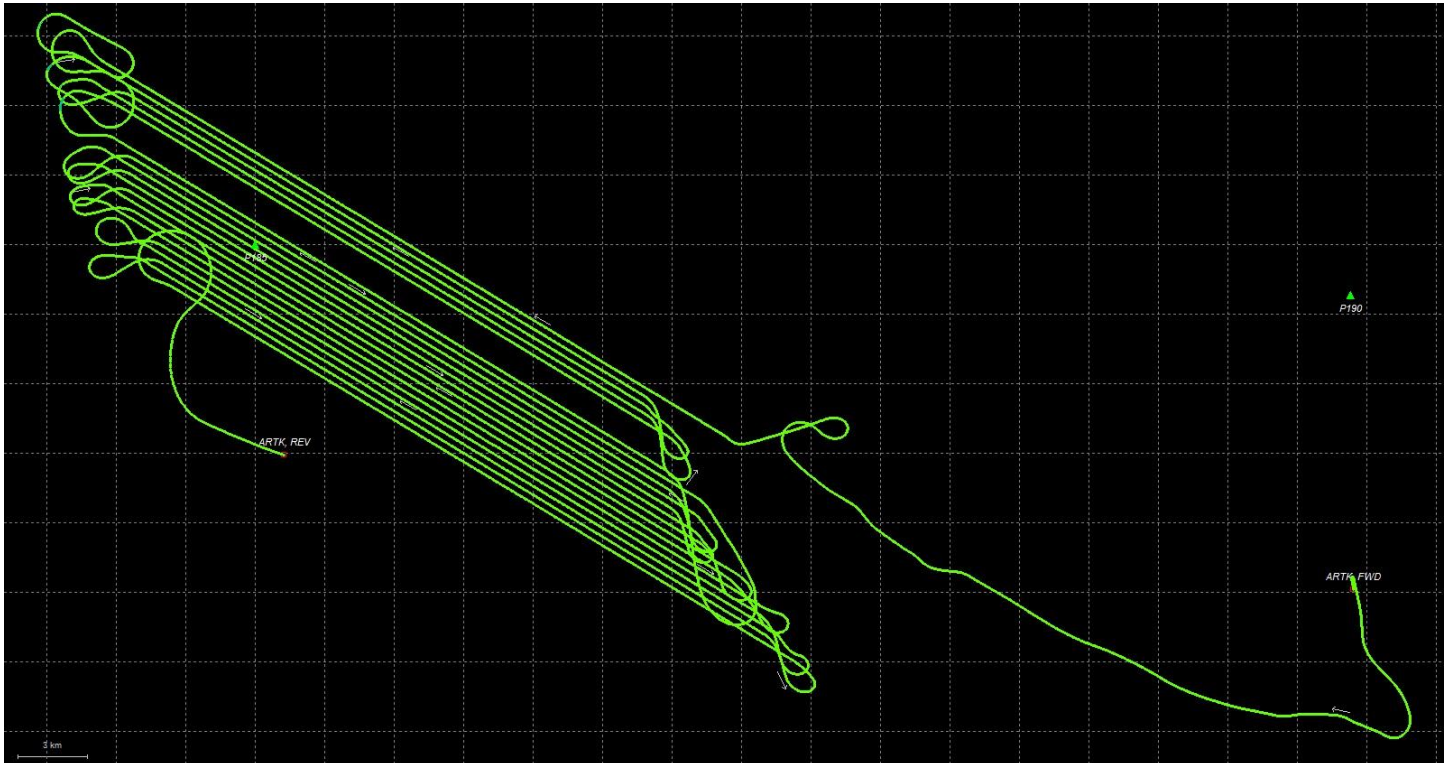
Flt Mgmt File: FAGL_Mendocino_SN8239

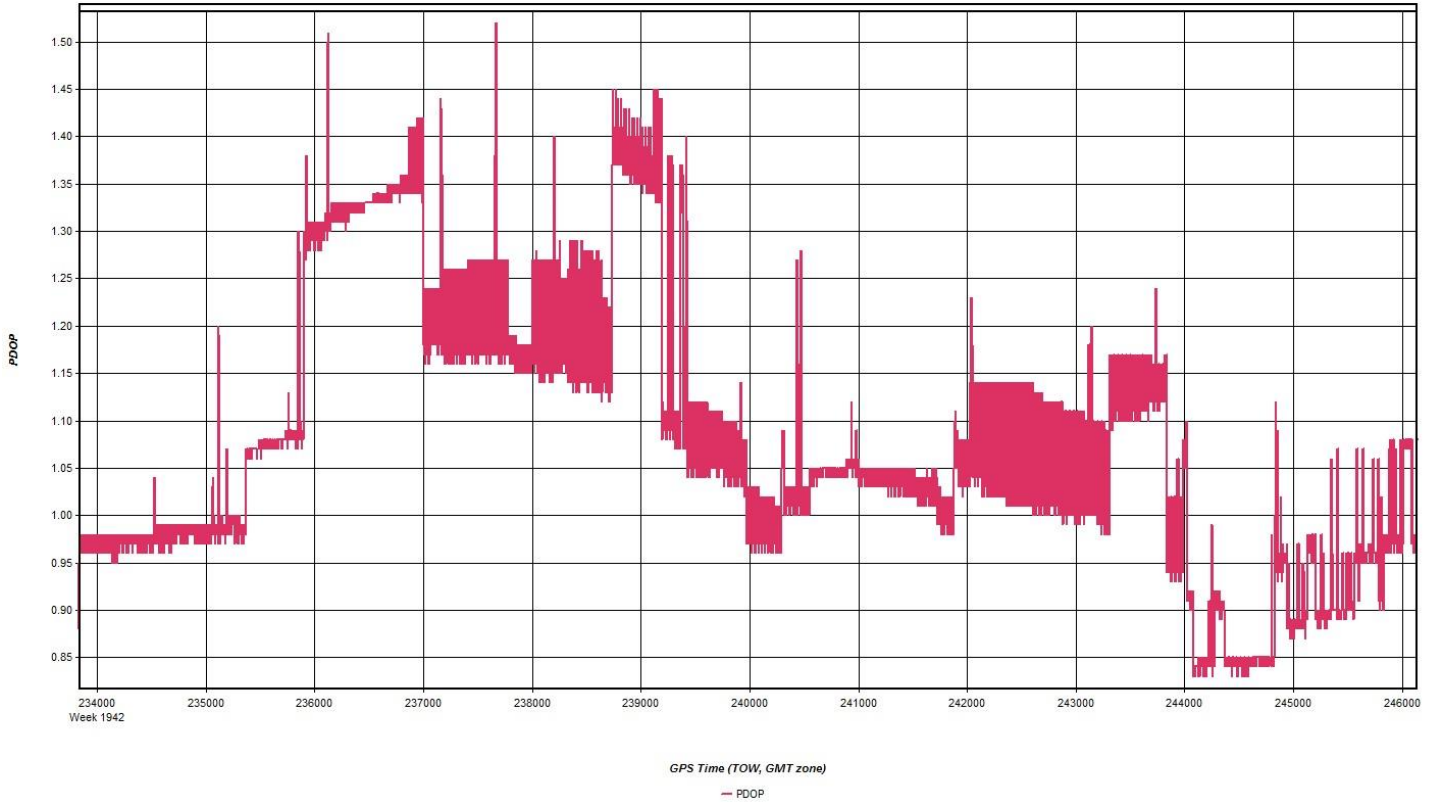
Name	AltStart	TimeStart	TimeEnd
272	1605.184692	17:37	17:44
272	1380.742432	17:46	17:54
273	1609.034424	17:55	18:01
273	1545.915771	18:03	18:11
274	1405.441772	18:12	18:18
274	1499.749268	18:20	18:26
275	1382.560669	18:28	18:34
276	1360.357788	18:36	18:43
277	1645.757813	18:45	18:51

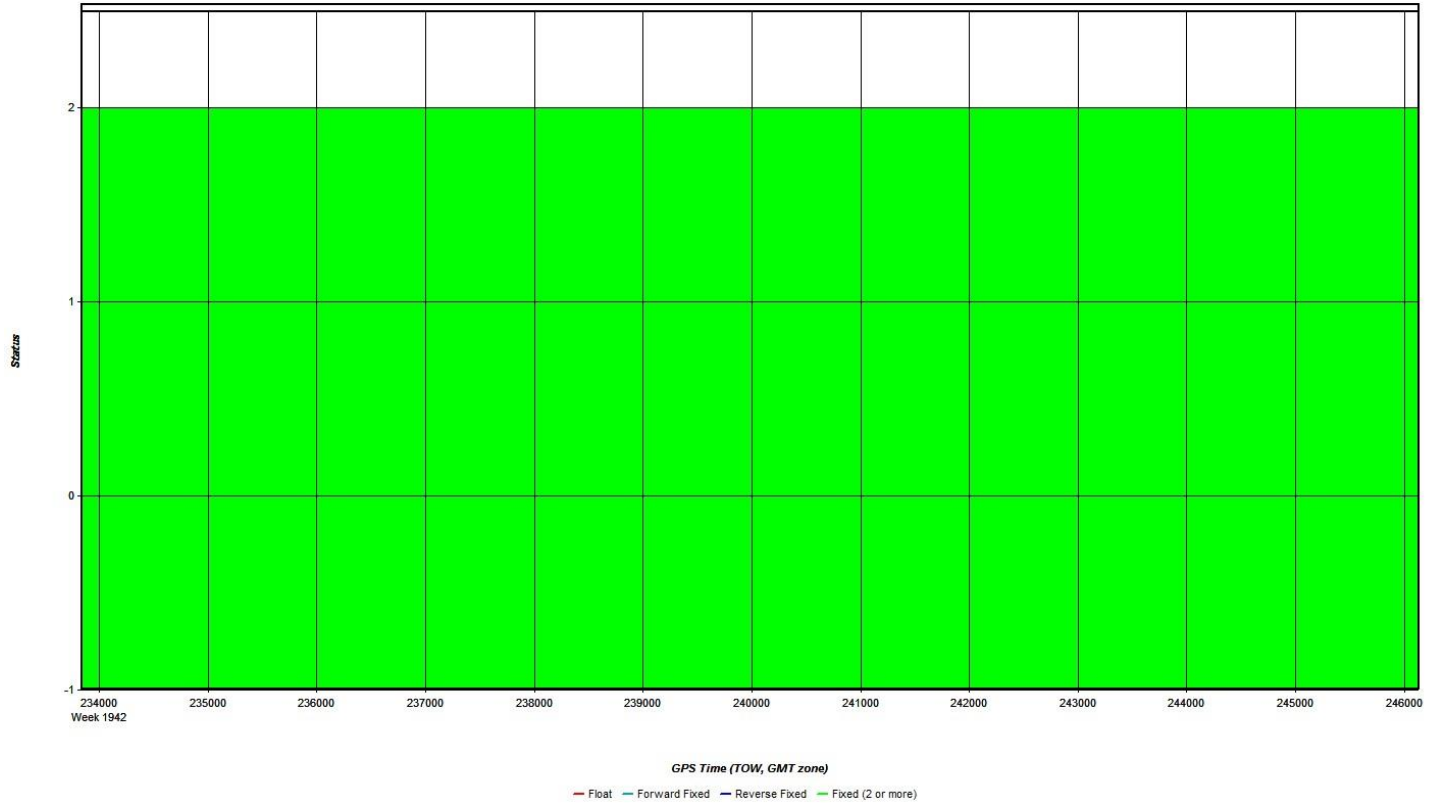
278	1482.384644	18:53	19:00
279	1540.545654	19:01	19:08
280	1472.293091	19:09	19:16
281	1529.901123	19:18	19:25
282	1564.521851	19:27	19:34
283	1568.14209	19:35	19:42
283	1455.880981	19:44	19:51
284	1673.746704	19:53	19:59
285	1480.988525	20:01	20:08
286	1611.591919	20:10	20:17
287	1487.538696	20:18	20:25
288	1478.134521	20:27	20:33
289	1498.758179	20:35	20:42
290	1607.09021	20:43	20:49
291	1500.94812	20:51	20:58
292	1549.337891	21:00	21:06
293	1443.077026	21:07	21:14
294	1569.178467	21:15	21:22
295	1388.997192	21:23	21:30
296	1410.846069	21:31	21:37
297	1500.303833	21:39	21:45
298	1516.129272	21:47	21:53
299	1415.247925	21:54	22:00
300	1633.592773	22:02	22:08
301	1323.313354	22:09	22:15
302	1657.381348	22:16	22:21
303	1379.88147	22:23	22:29

Name	AltStart	TimeStart	TimeEnd
304	1614.864502	22:30	22:36
305	1525.060181	22:39	22:46
306	1675.531372	22:48	22:55
UL001	1467.953247	22:59	23:02

Mar 28, 2017-A (N704MD, SN8121)

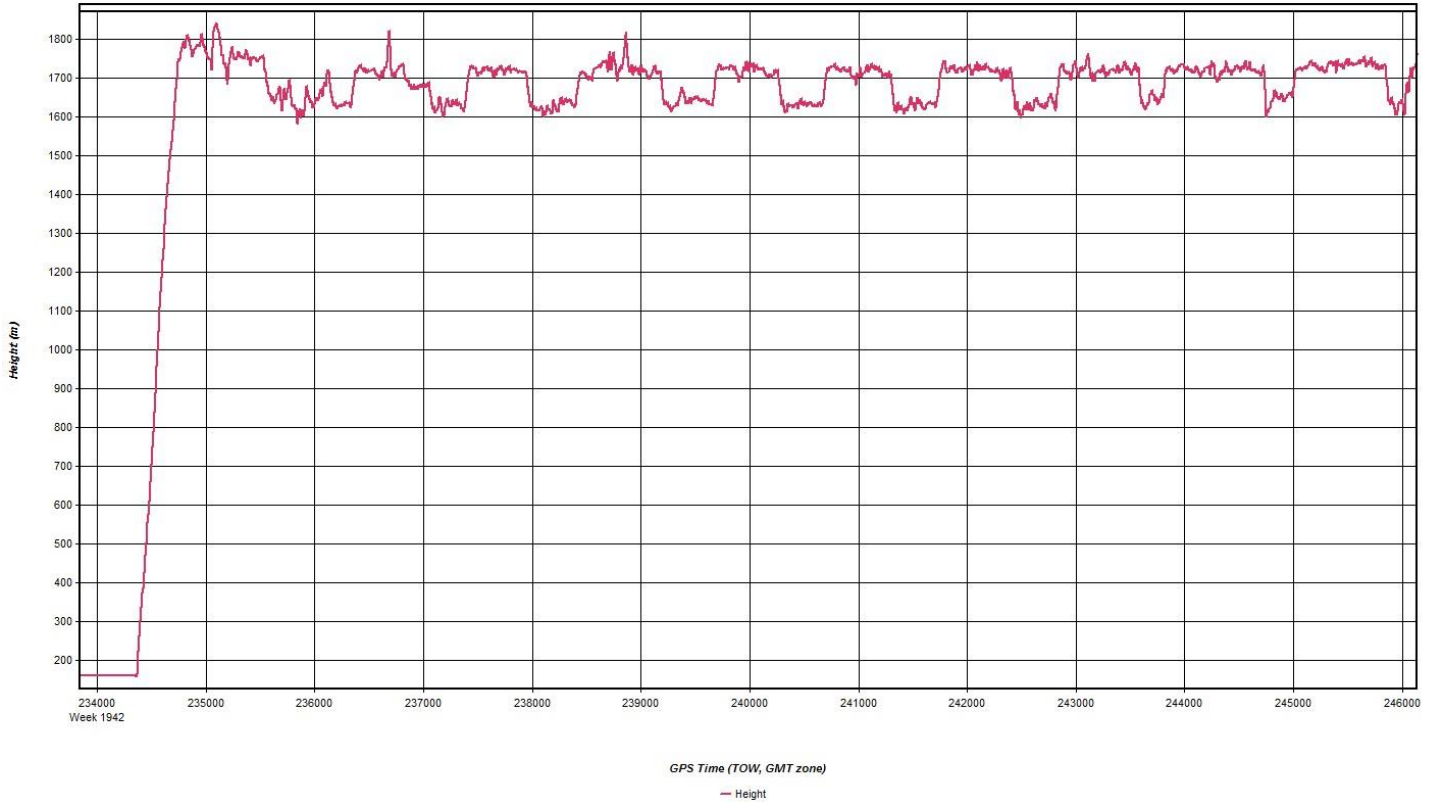


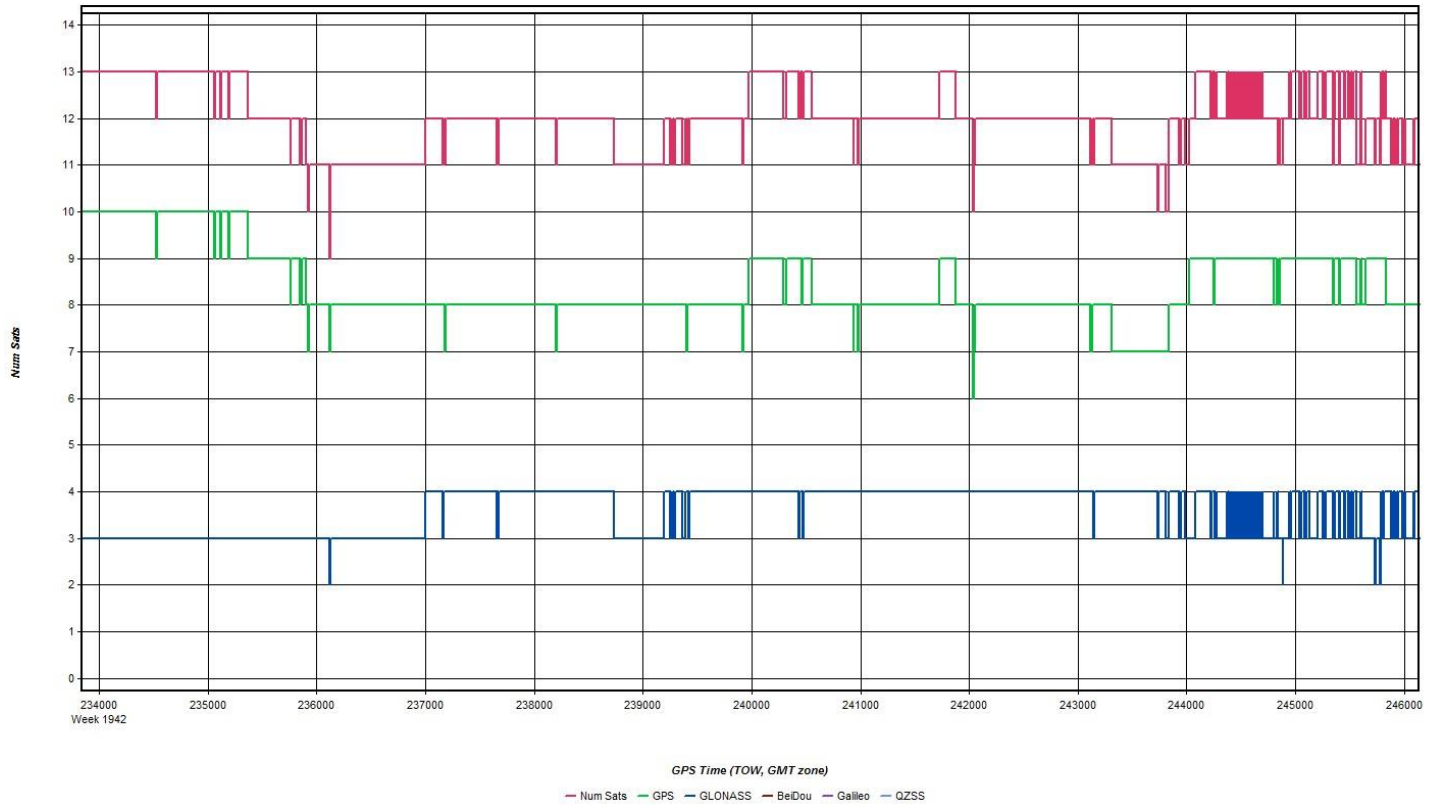


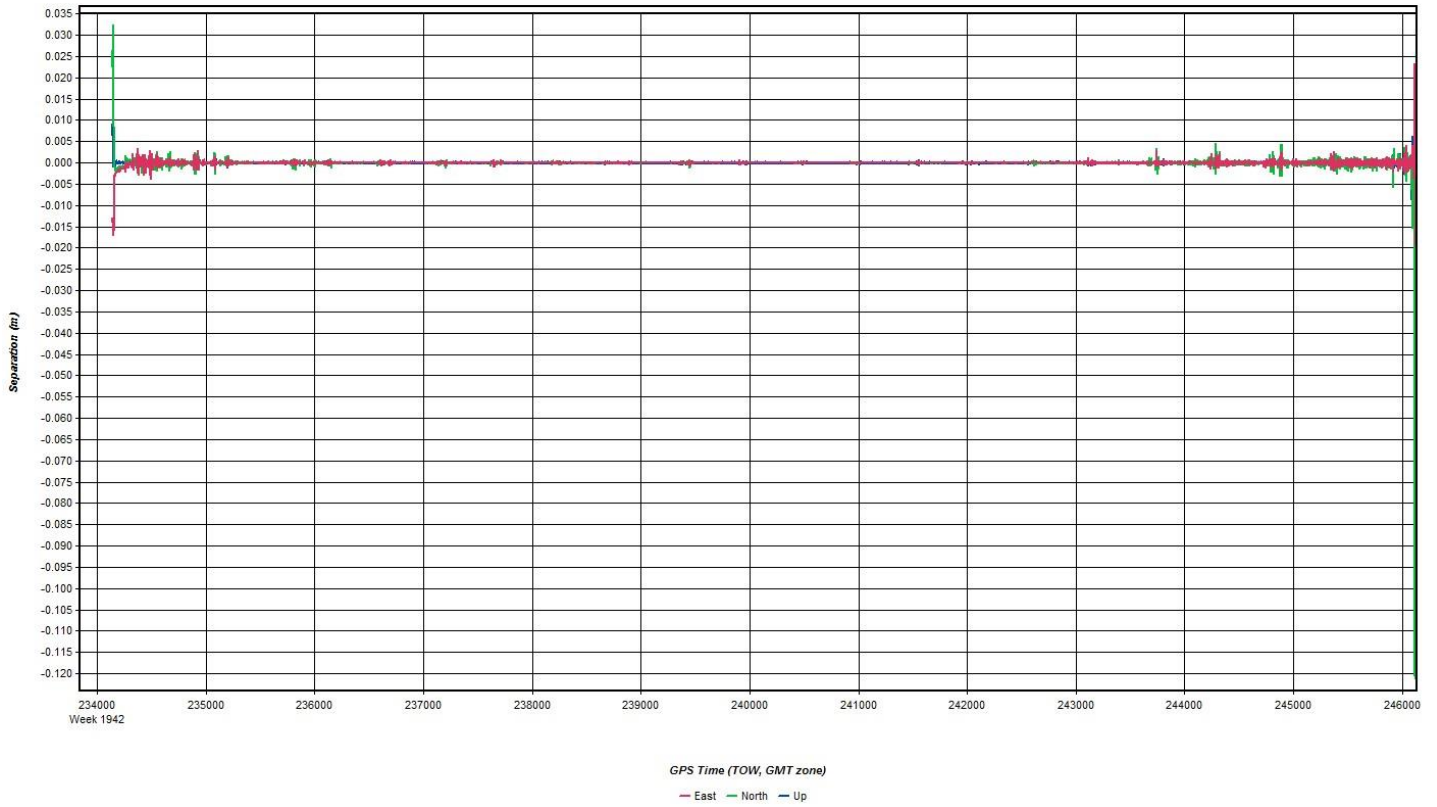


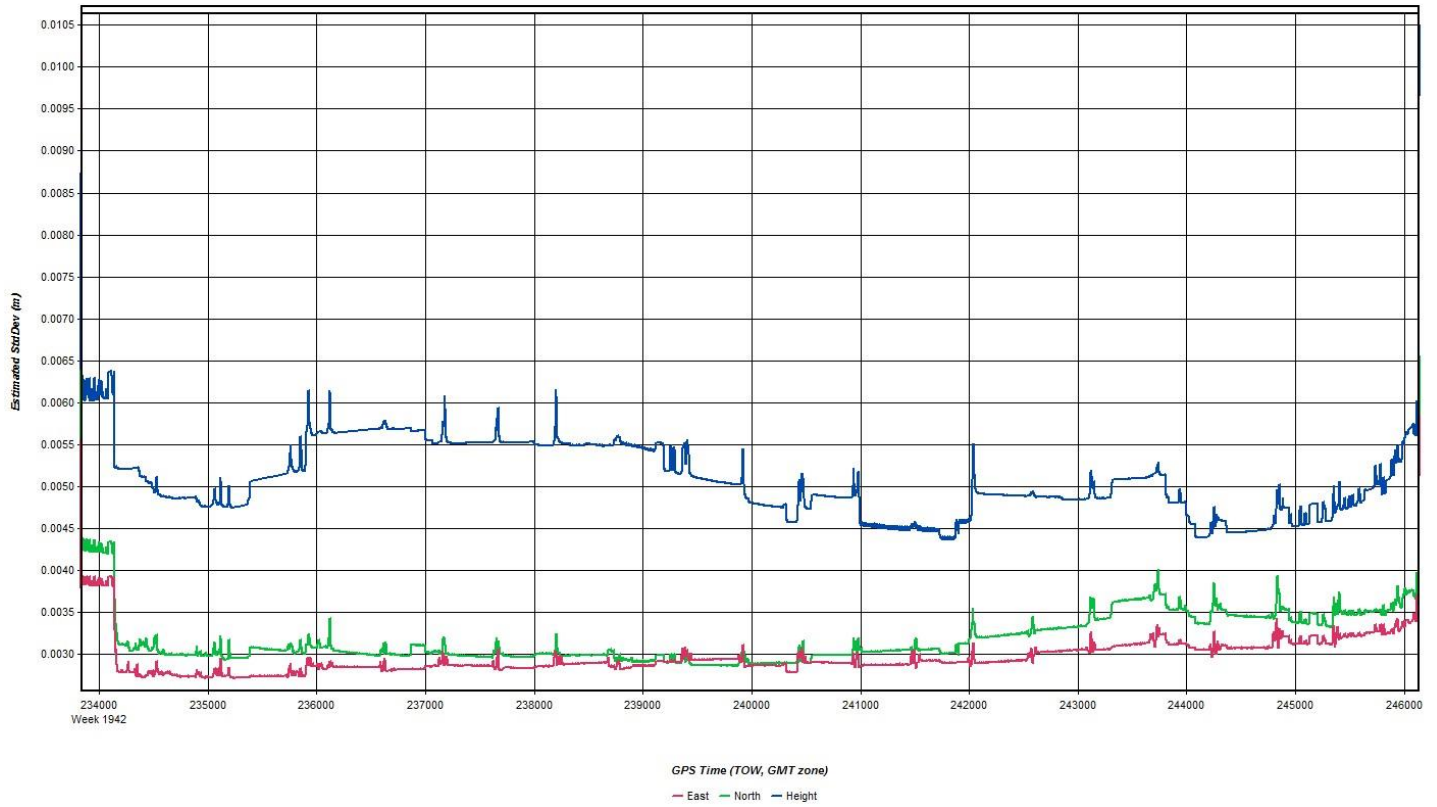


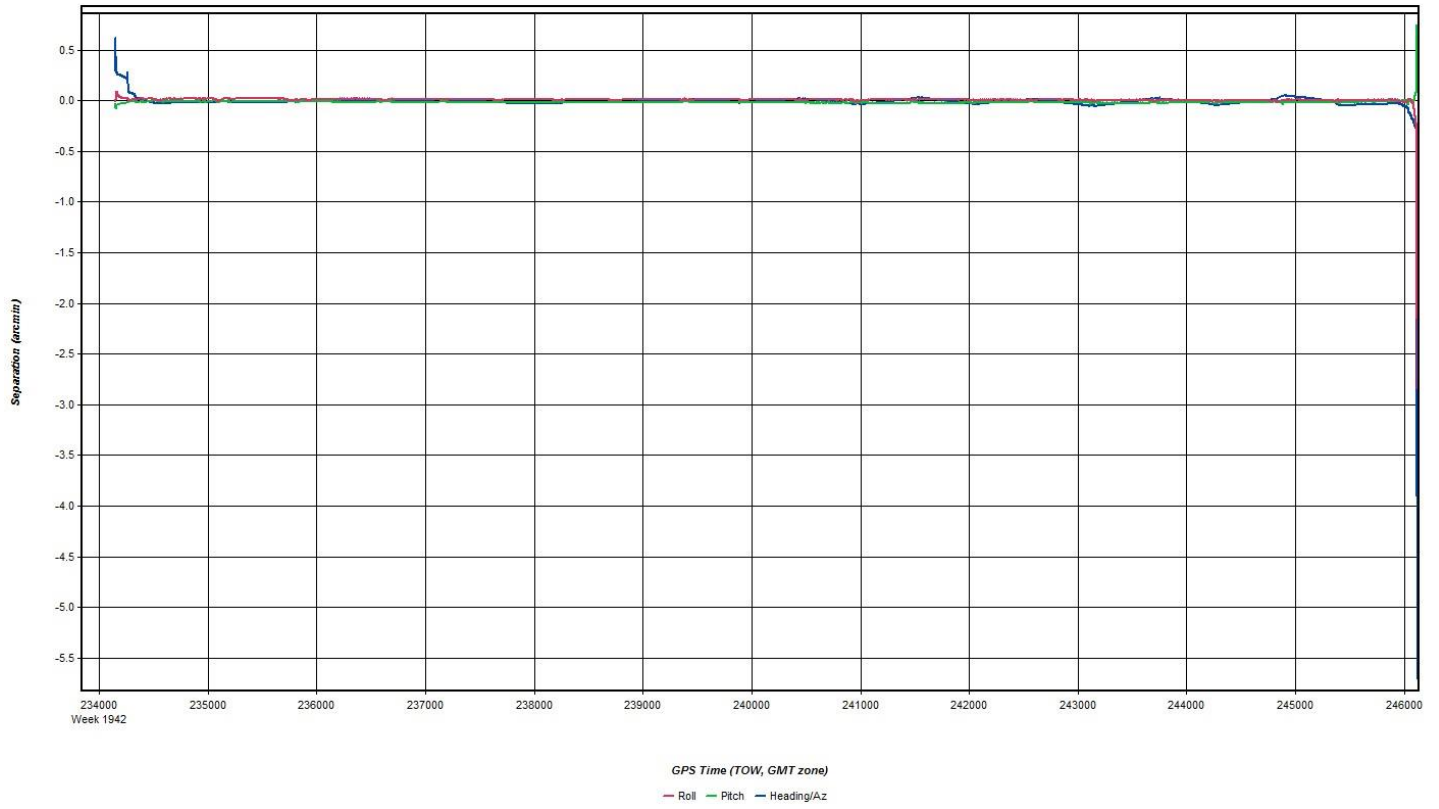












Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P185 Name: P185 Disabled
 File: E:\29724_Mendocino\Brett_Murphy_3-31-17\20170328_SN8121_M

Coordinates
 Latitude: North 39 15 40.67991 Coord. options
 Longitude: West 123 44 57.55474 Save to Favorites
 Ellipsoidal height: 146.834 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM29659.00, SCIT View STA File
 Antenna profile: TRM29659.00, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.086 m
 Applied height: 0.094 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: P190 Name: P190 Disabled
 File: E:\29724_Mendocino\Brett_Murphy_3-31-17\20170328_SN8121_M

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

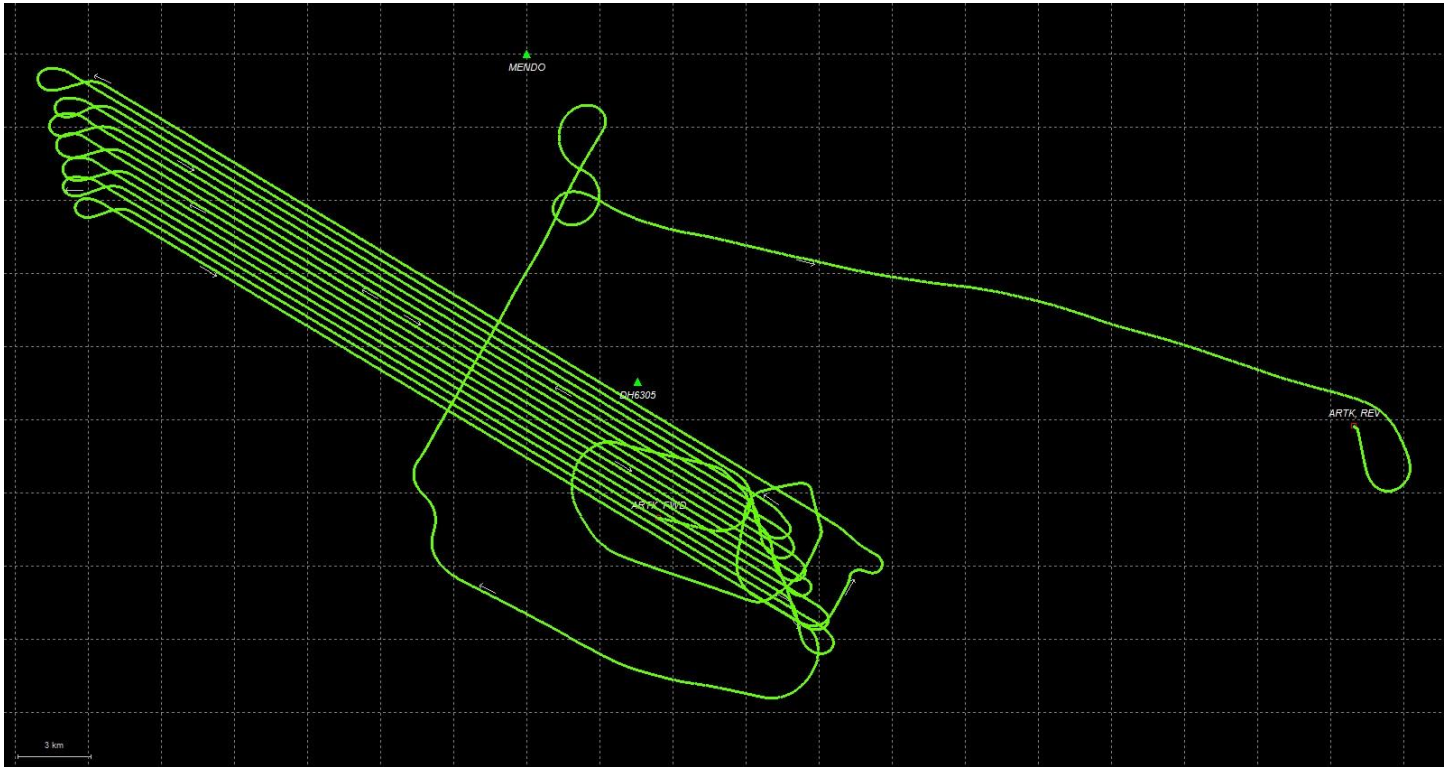
Flight Log

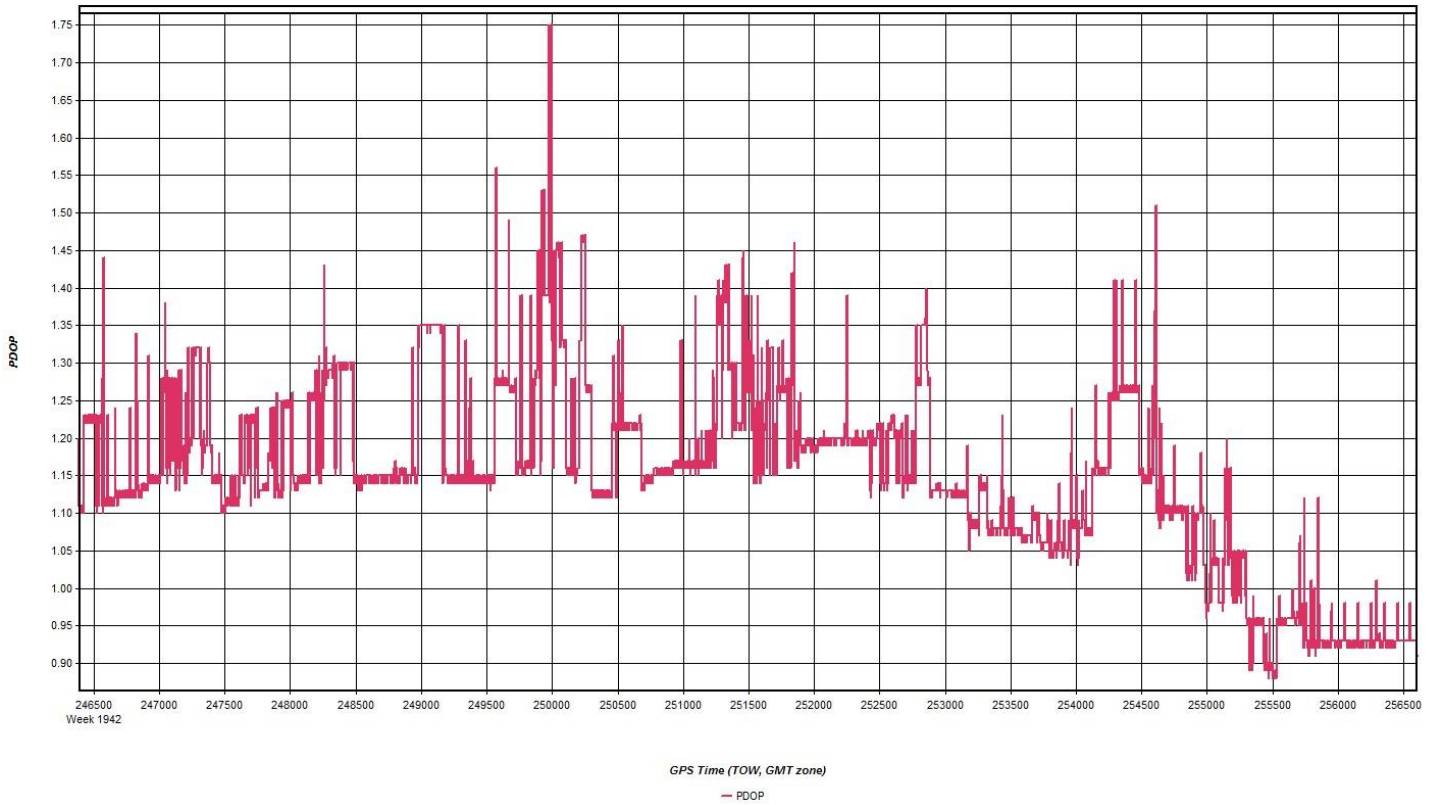
Date: 3/28/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: Mendocino_SN8121					
Pilot: Brian Butler			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	10:10:00 AM				
Wheels Down	4:12:00 PM				
Begin Hobbs	11761.7				
End Hobbs	11767.8				
On-line Hobbs: 5. 6			Mob Hobbs: 0.5		
Notes					
Waited for fog this am. Wheels up at 1010. We got a full flight. Wheels down at 1612.					

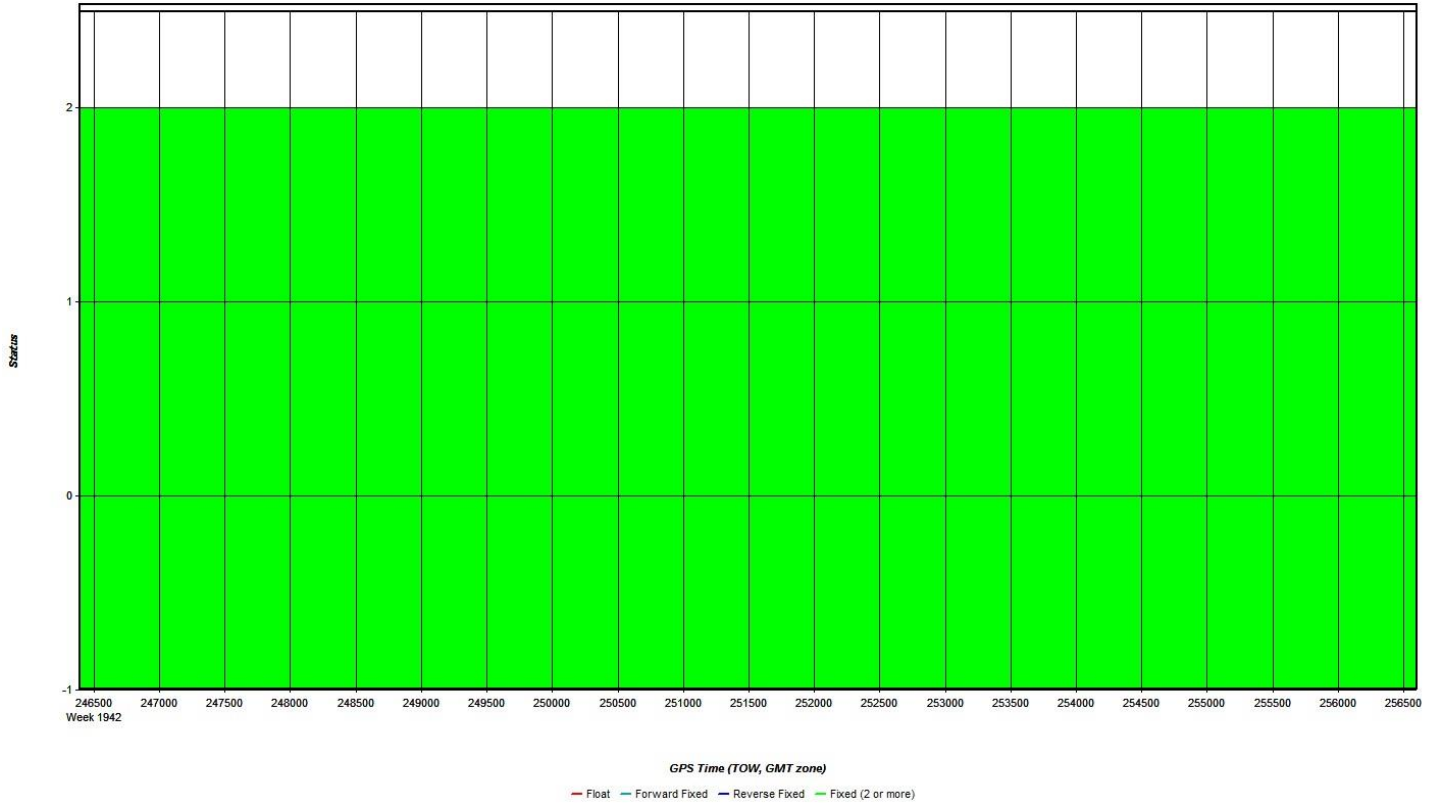
Flt Mgmt File: Mendocino_SN8121

Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
110	1765.679 m	17:21:13	36.02732958	1653.232 m	17:28:13	36.95361730
111	1632.261 m	17:35:58	38.22488594	1704.467 m	17:42:40	39.53022346
112	1722.353 m	17:44:45	39.86113636	1616.644 m	17:51:41	40.71234915
113	1642.995 m	17:53:27	40.98258959	1724.268 m	18:00:00	42.20310982
114	1717.341 m	18:02:00	42.50288230	1620.704 m	18:08:56	43.28130643
118	1645.162 m	18:10:56	43.58466420	1741.837 m	18:17:30	44.73501376
119	1712.942 m	18:21:55	45.34055131	1650.801 m	18:28:56	46.04154224
120	1638.144 m	18:30:47	46.28179640	1719.604 m	18:37:35	47.36329385
121	1734.304 m	18:39:34	47.60829669	1635.022 m	18:46:41	48.22387967
122	1637.394 m	18:48:21	48.41827216	1712.018 m	18:55:13	49.39558516
123	1704.815 m	18:56:46	49.56727934	1630.318 m	19:04:06	50.09181475
124	1635.753 m	19:05:43	50.25197520	1719.612 m	19:12:52	51.13262323
125	1742.938 m	19:14:34	51.28824078	1620.211 m	19:21:57	51.68126588
126	1637.770 m	19:23:55	51.84490702	1725.129 m	19:30:59	52.55071523
127	1715.451 m	19:32:53	52.68168212	1637.996 m	19:40:42	52.95196653
128	1637.909 m	19:42:30	53.05417699	1726.683 m	19:49:51	53.58670417
129	1717.131 m	19:51:52	53.67269921	1626.360 m	19:59:30	53.75714371
130	1651.113 m	20:01:27	53.81804531	1737.777 m	20:08:48	54.13182143
131	1728.327 m	20:10:39	54.16083604	1648.921 m	20:18:12	54.07293439
UL002	1677.606 m	17:34:26	37.96634389	1683.743 m	17:34:37	37.99030288

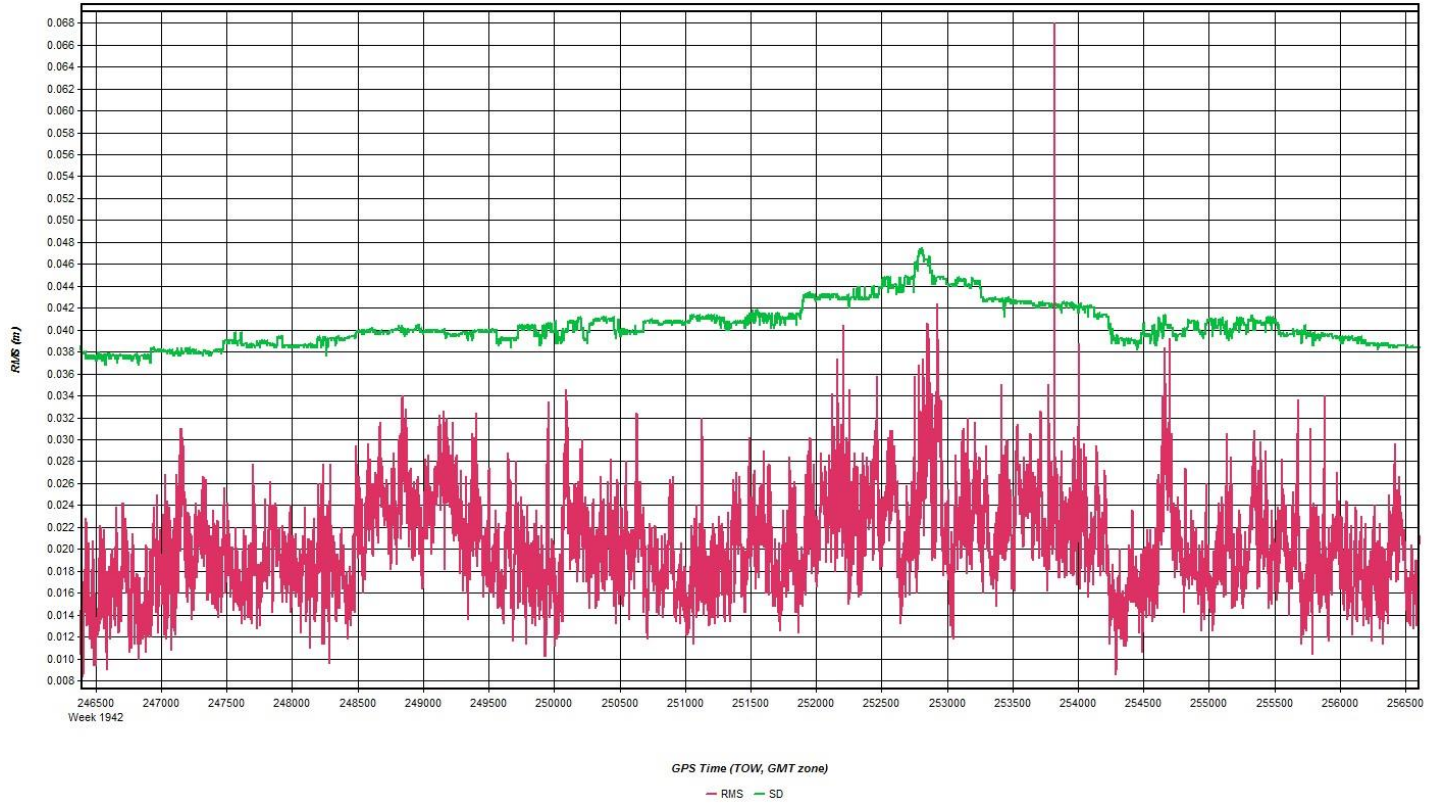
Mar 28, 2017-B (N704MD, SN8121)

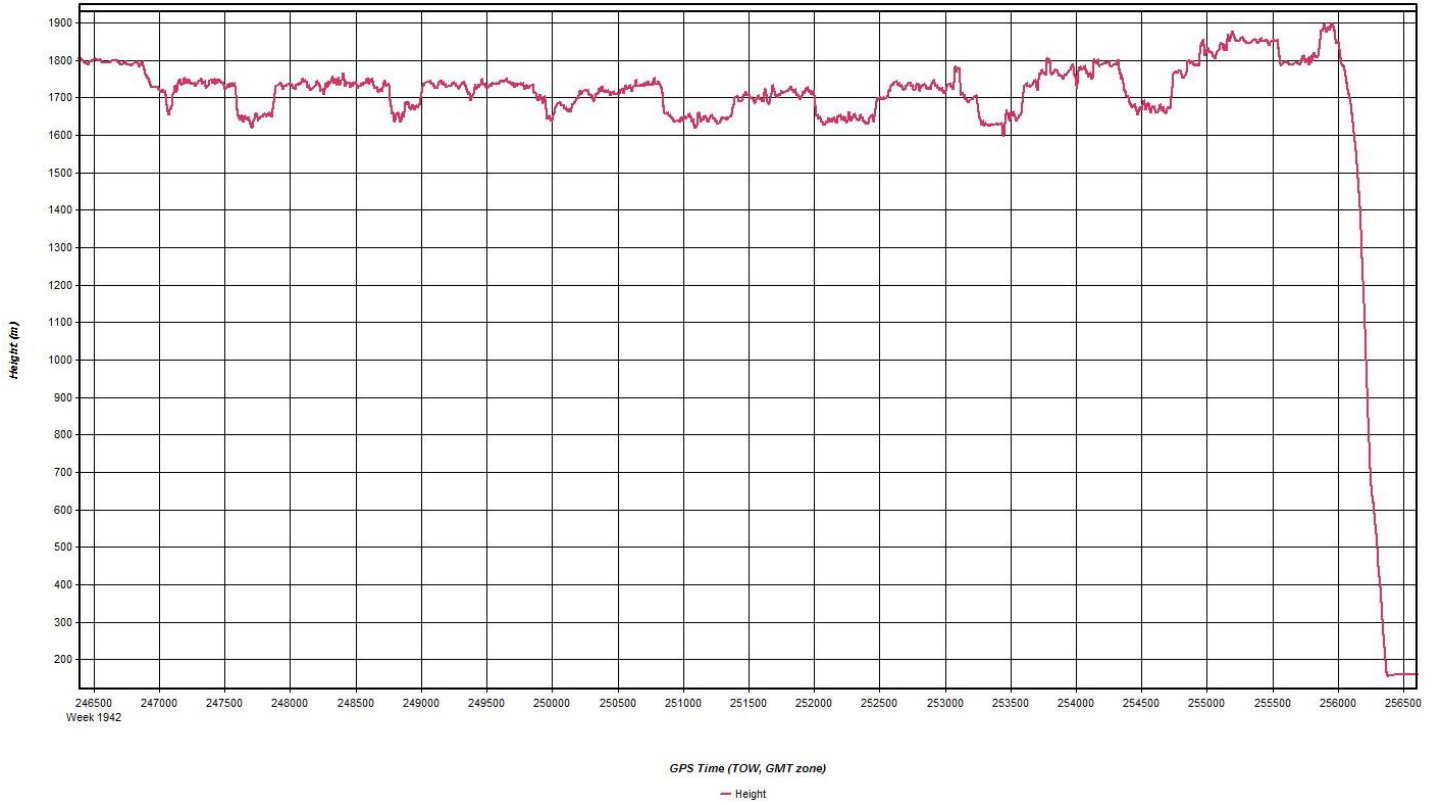


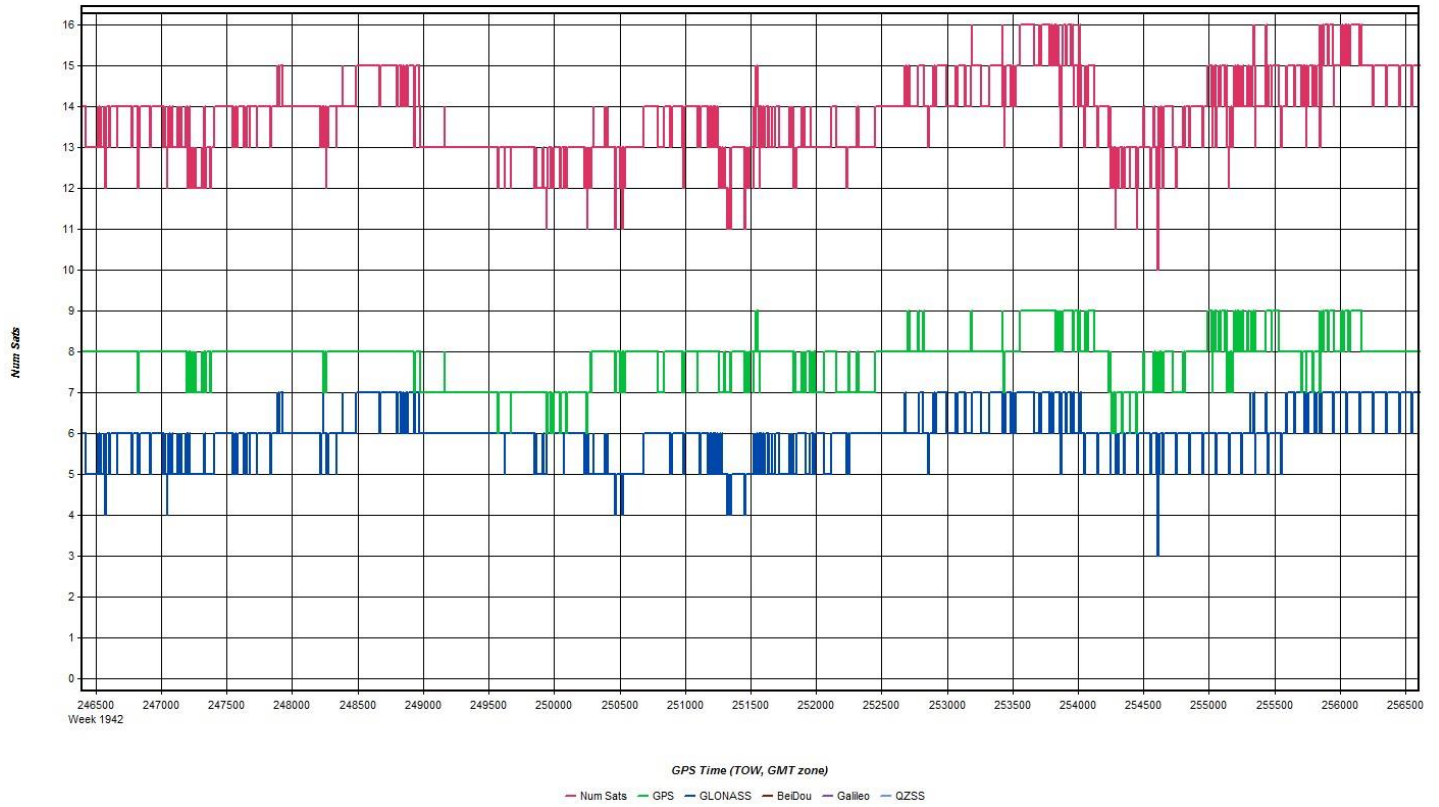


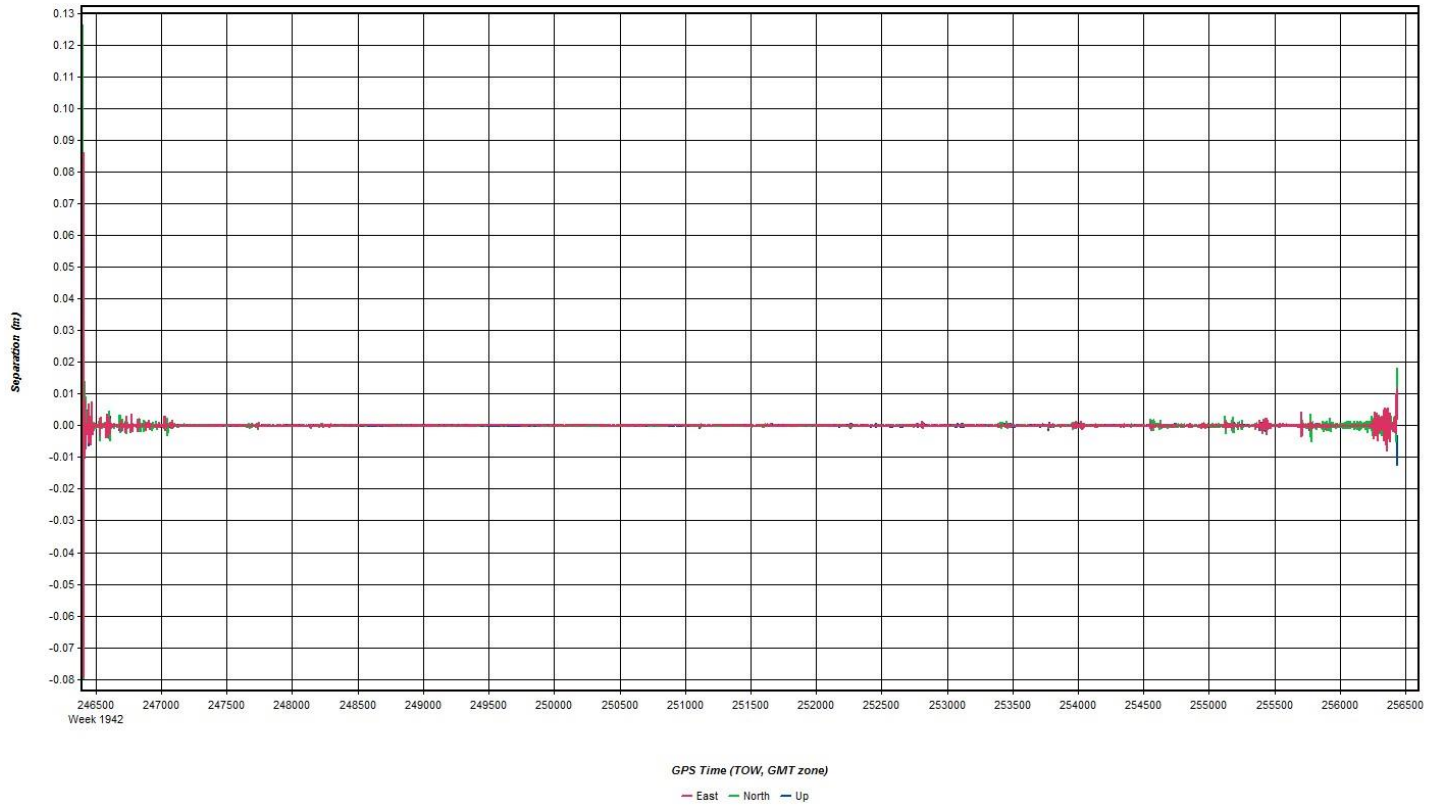


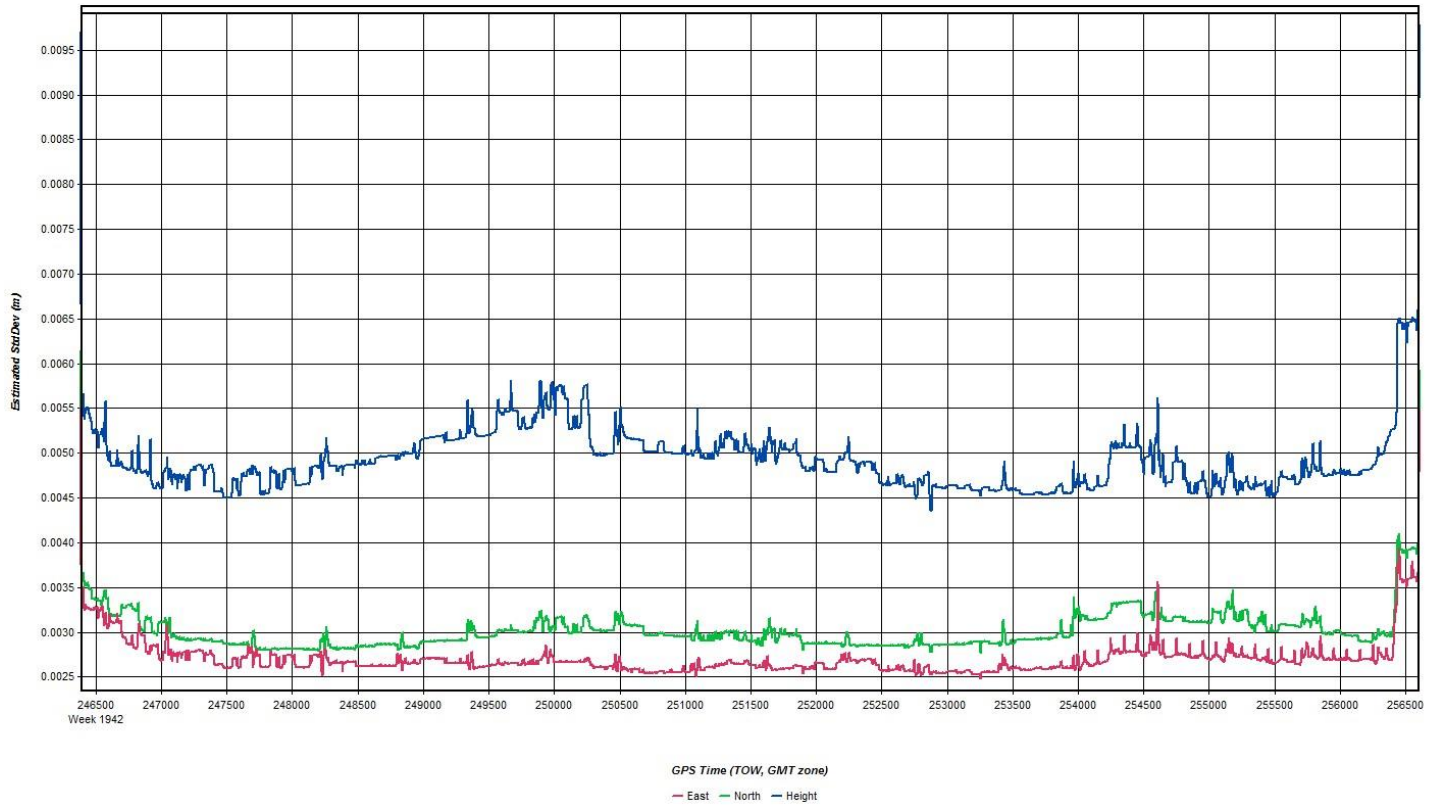


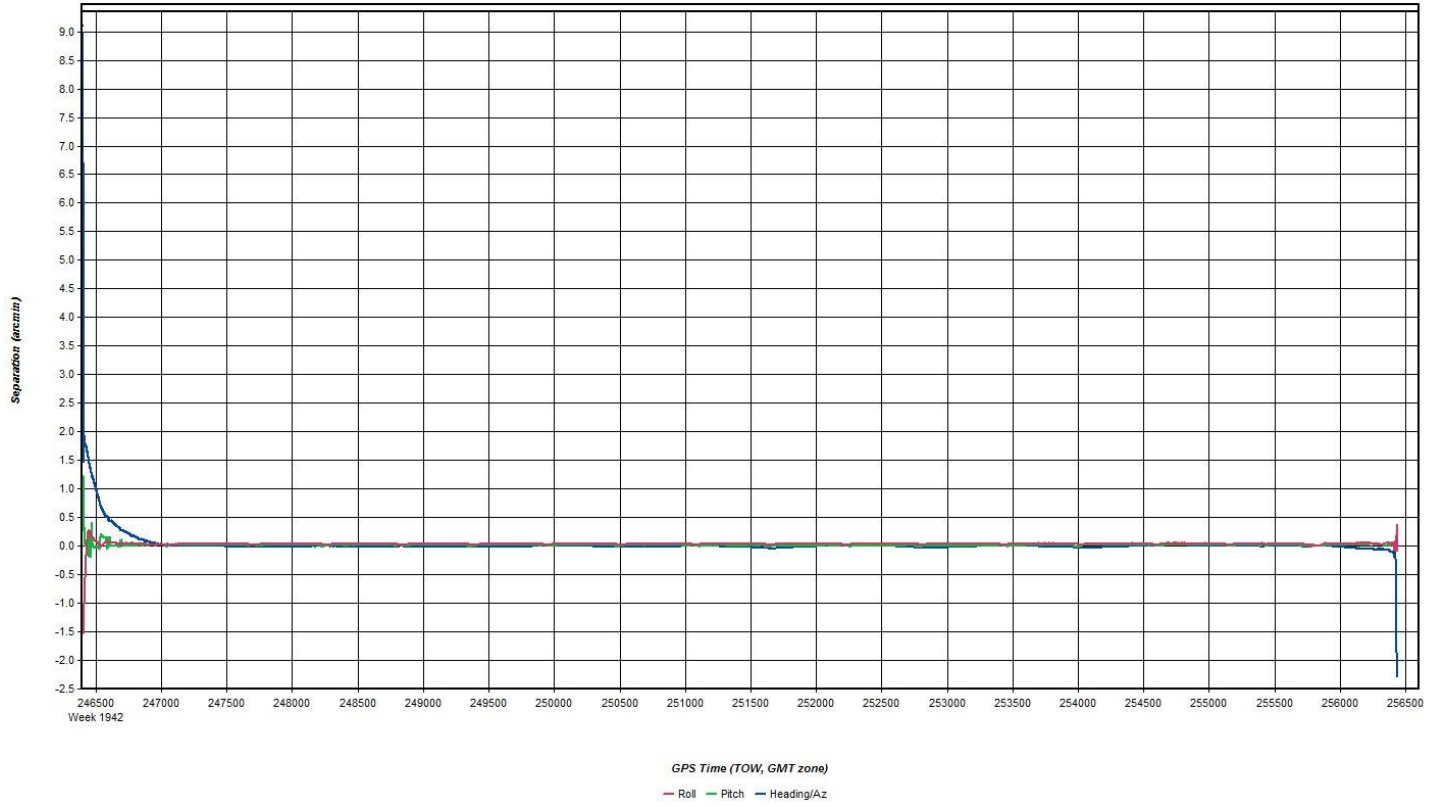












Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: DH6305 Name: DH6305 Disabled
 File: E:\29724_Mendocino\29724_USGS_Mendocino\From_Andre_Samp

Coordinates
 Latitude: North 39 08 41.81015 Coord. options
 Longitude: West 123 32 32.45620 Save to Favorites
 Ellipsoidal height: 59.356 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 1.800 m
 ARP to L1 offset: 0.067 m
 Applied height: 1.867 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: MENDO Name: MENDO Disabled
 File: E:\29724_Mendocino\29724_USGS_Mendocino\From_Andre_Samp

Coordinates
 Latitude: North 39 15 55.07841 Coord. options
 Longitude: West 123 35 40.28506 Save to Favorites
 Ellipsoidal height: 25.581 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 1.800 m
 ARP to L1 offset: 0.067 m
 Applied height: 1.867 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

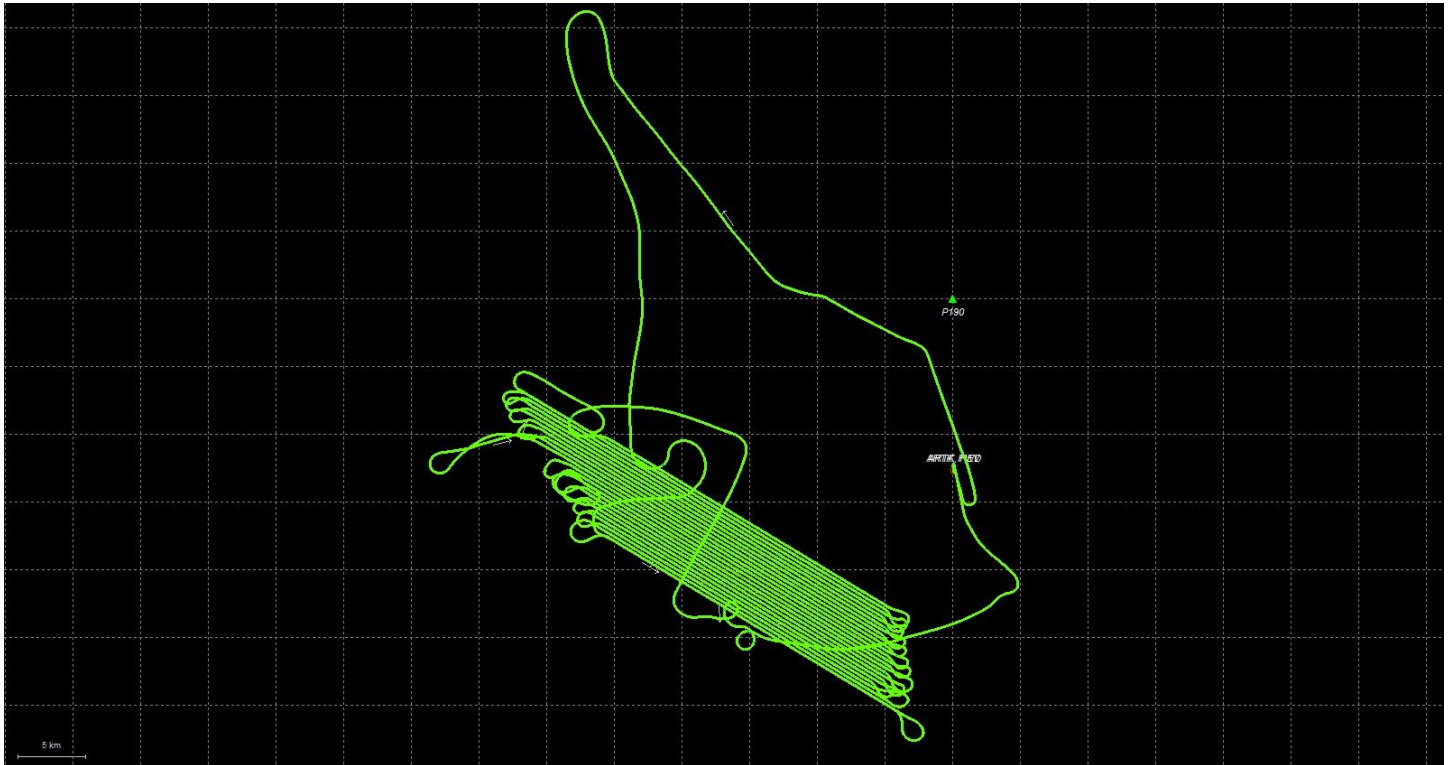
Flight Log

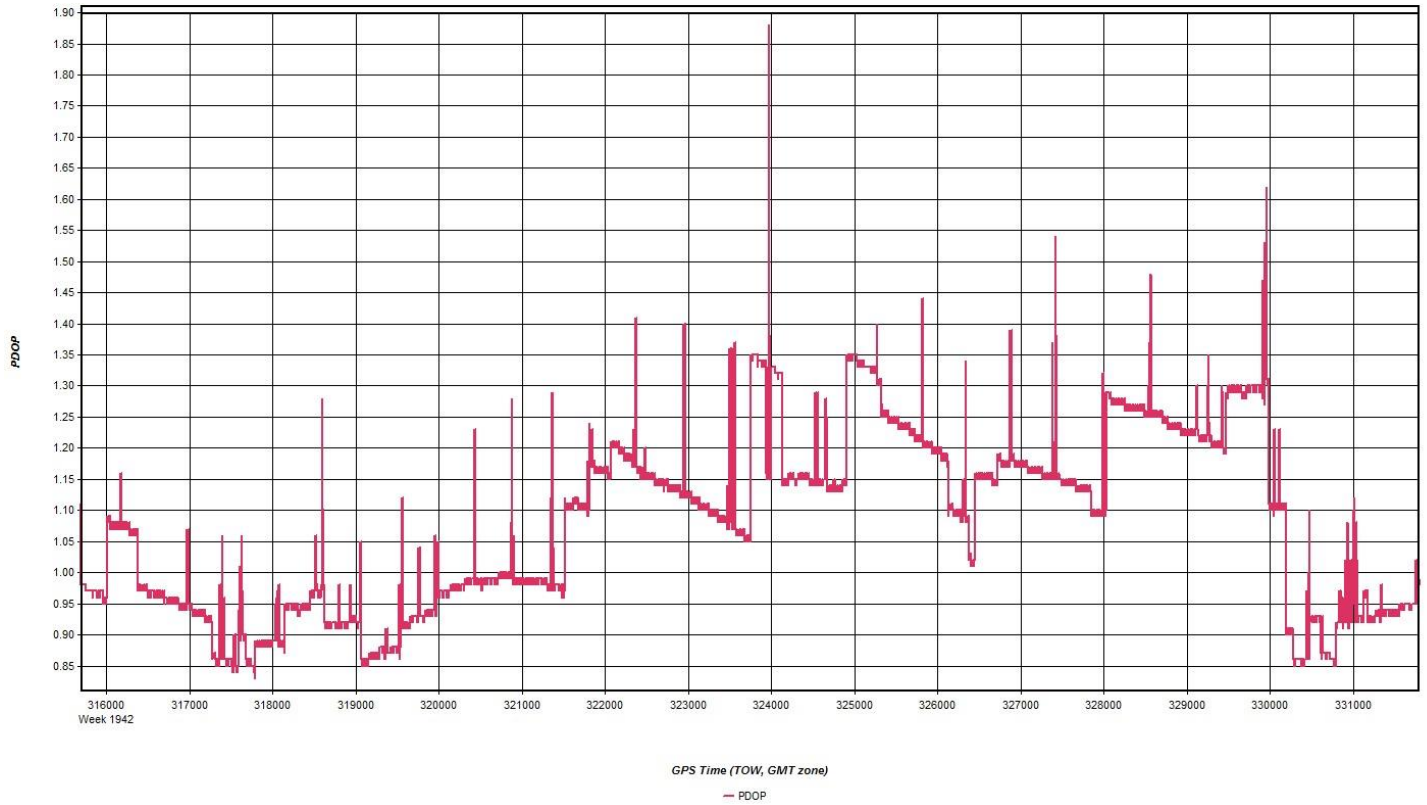
Date: 3/28/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: Mendocino_SN8121					
Pilot: Brian Butler			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

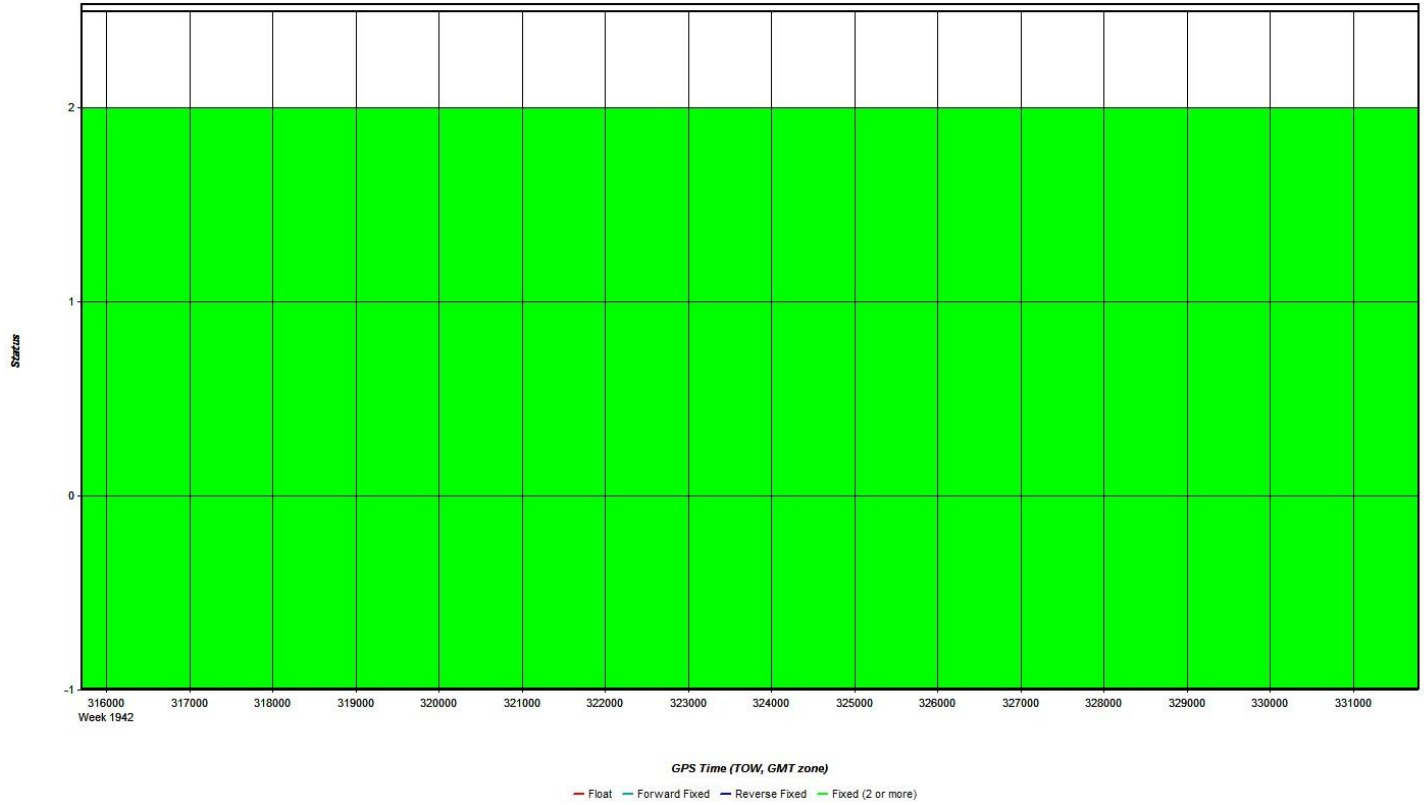
Flt Mgmt File: Mendocino_SN8121

Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
129	1751.427 m	20:39:36	53.89956228	1645.076 m	20:47:21	53.54141234
130	1647.285 m	20:49:06	53.47677263	1737.745 m	20:56:30	53.20886591
131	1749.532 m	20:58:29	53.10549359	1638.351 m	21:06:16	52.58318425
132	1683.759 m	21:07:55	52.48045721	1731.417 m	21:15:16	52.00206622
133	1732.876 m	21:17:00	51.87108671	1705.464 m	21:24:42	51.21161992
134	1642.556 m	21:26:24	51.06736843	1710.183 m	21:34:01	50.37296314
135	1722.934 m	21:35:48	50.20015072	1649.930 m	21:43:40	49.39788454
136	1637.682 m	21:45:19	49.22488262	1693.248 m	21:52:59	48.34689768
137	1724.774 m	21:54:30	48.17215547	1650.419 m	22:02:48	47.20873142
138	1637.123 m	22:04:25	47.01130855	1732.408 m	22:12:08	45.97054084
139	1723.564 m	22:13:57	45.73152814	1631.705 m	22:22:52	44.58542400
140	1655.197 m	22:24:28	44.36524161	1775.843 m	22:32:22	43.15737756
141	1780.455 m	22:34:00	42.91977300	1684.404 m	22:42:16	41.78238421
142	1674.365 m	22:43:50	41.54740832	1838.386 m	22:51:41	40.23261174
UL001	1855.150 m	22:57:09	39.44491783	1788.711 m	23:01:26	38.64010466

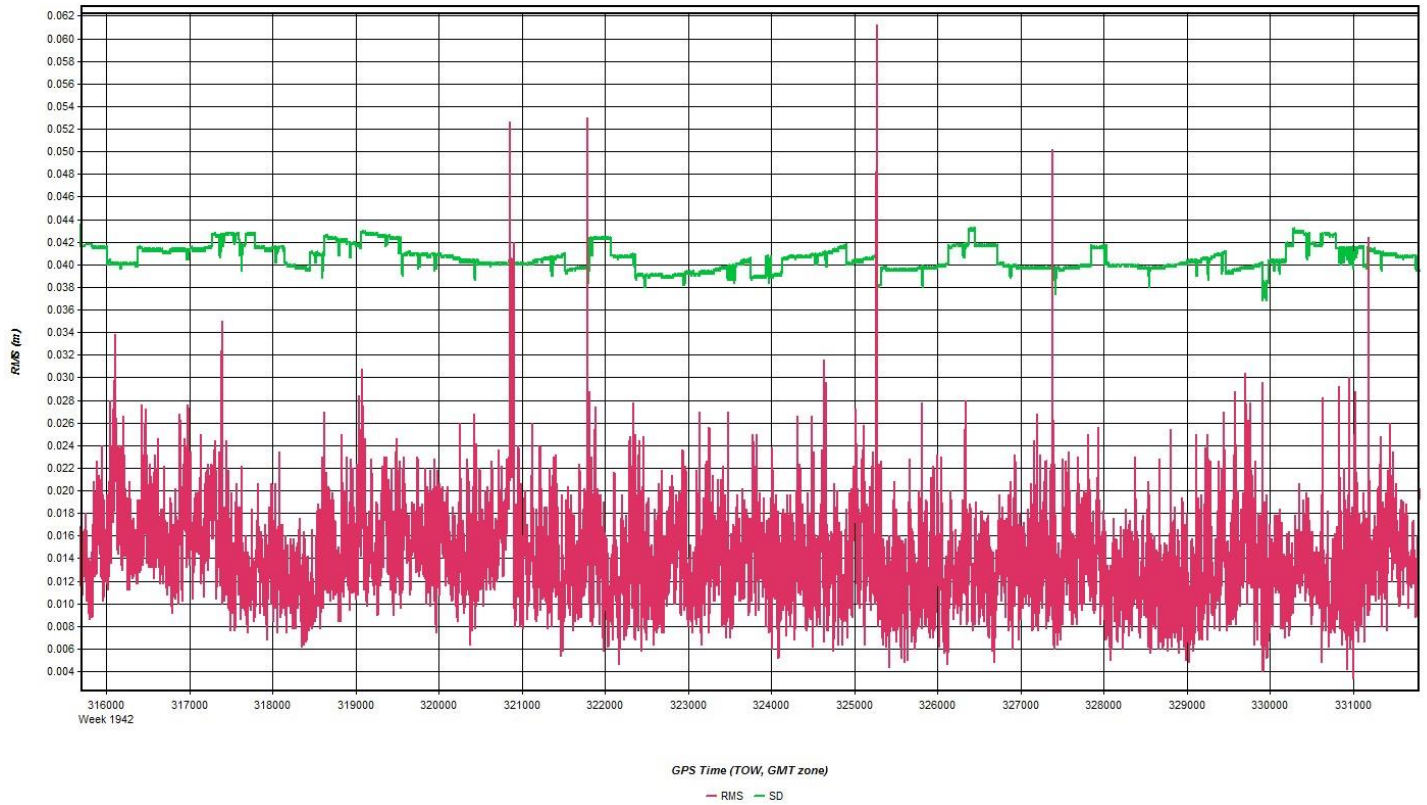
Mar 29, 2017-A (N208NR, SN8239)

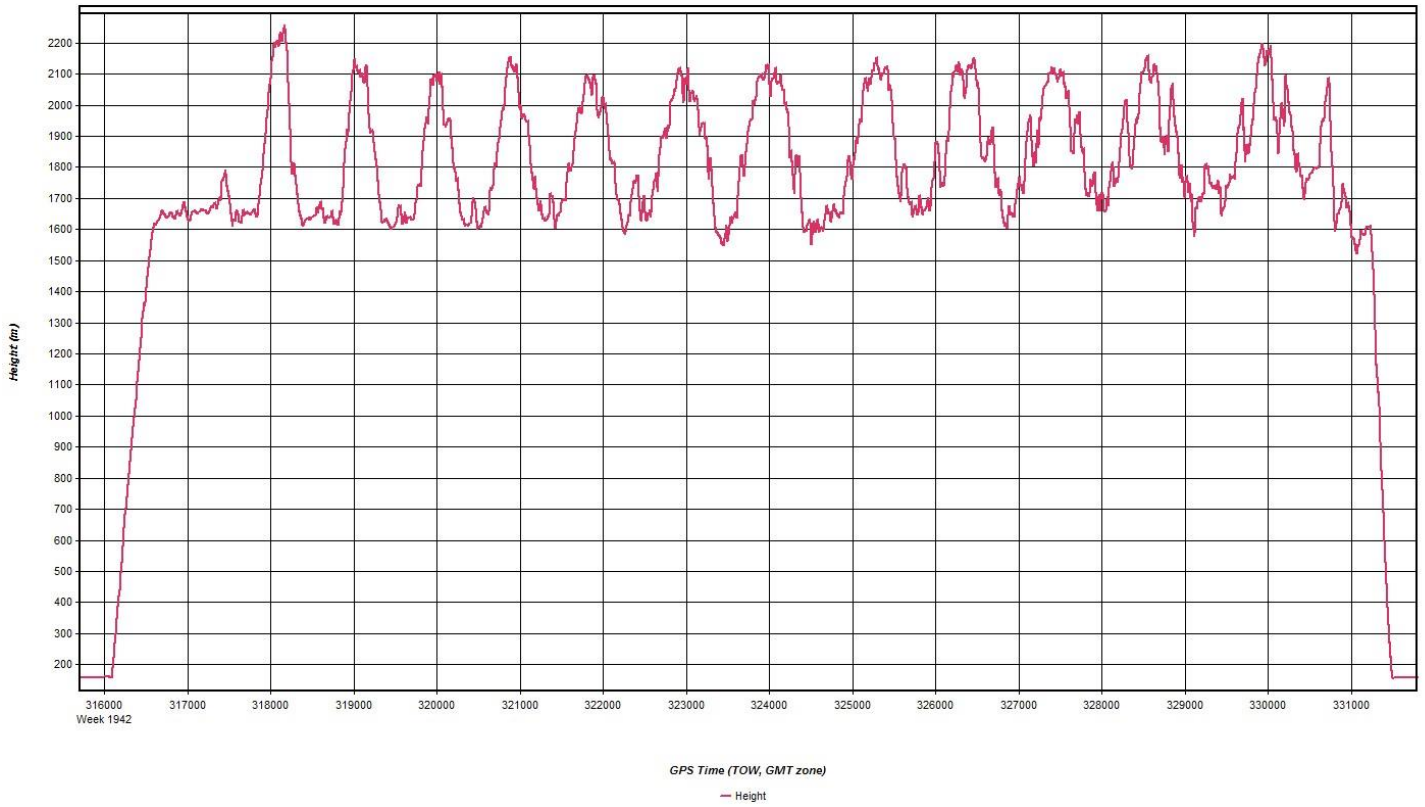


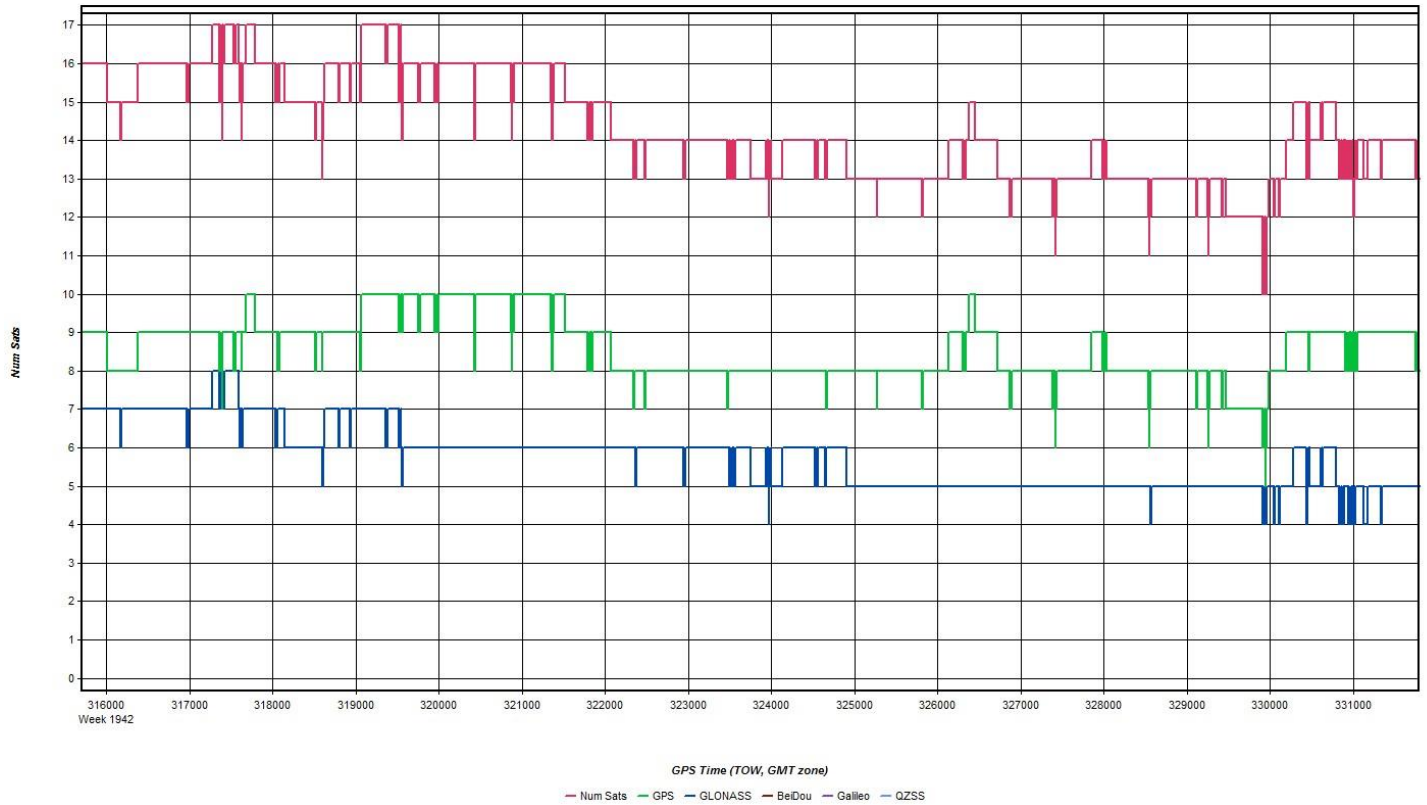


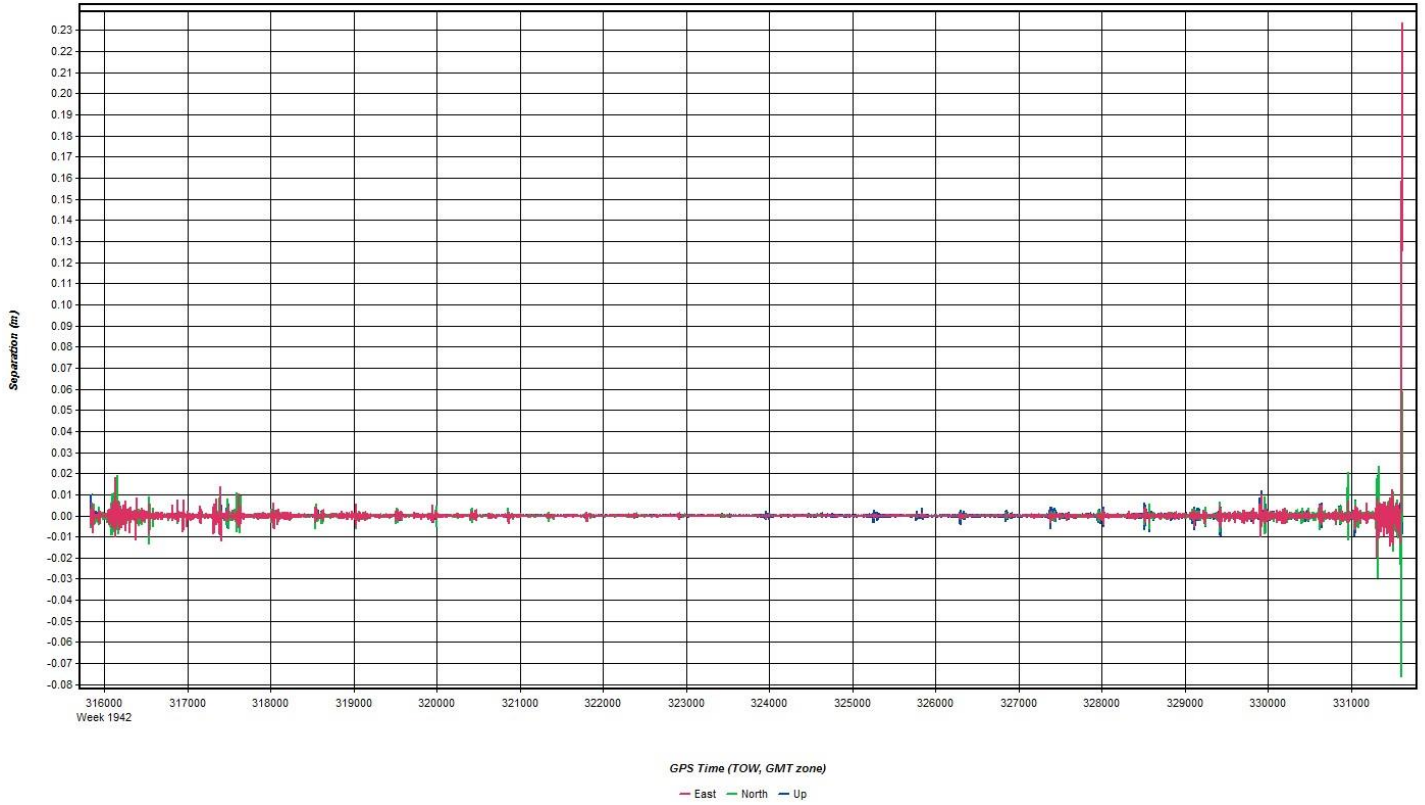


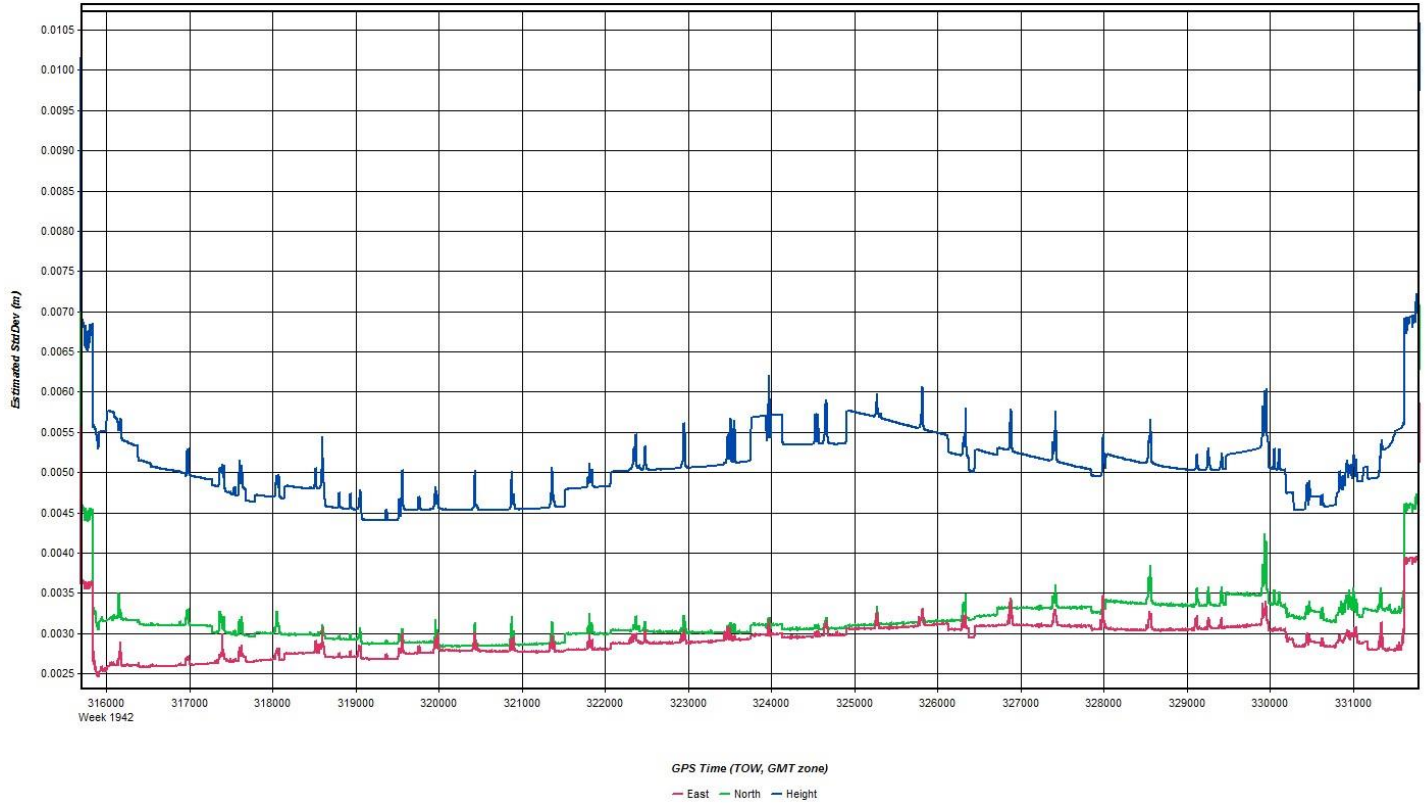


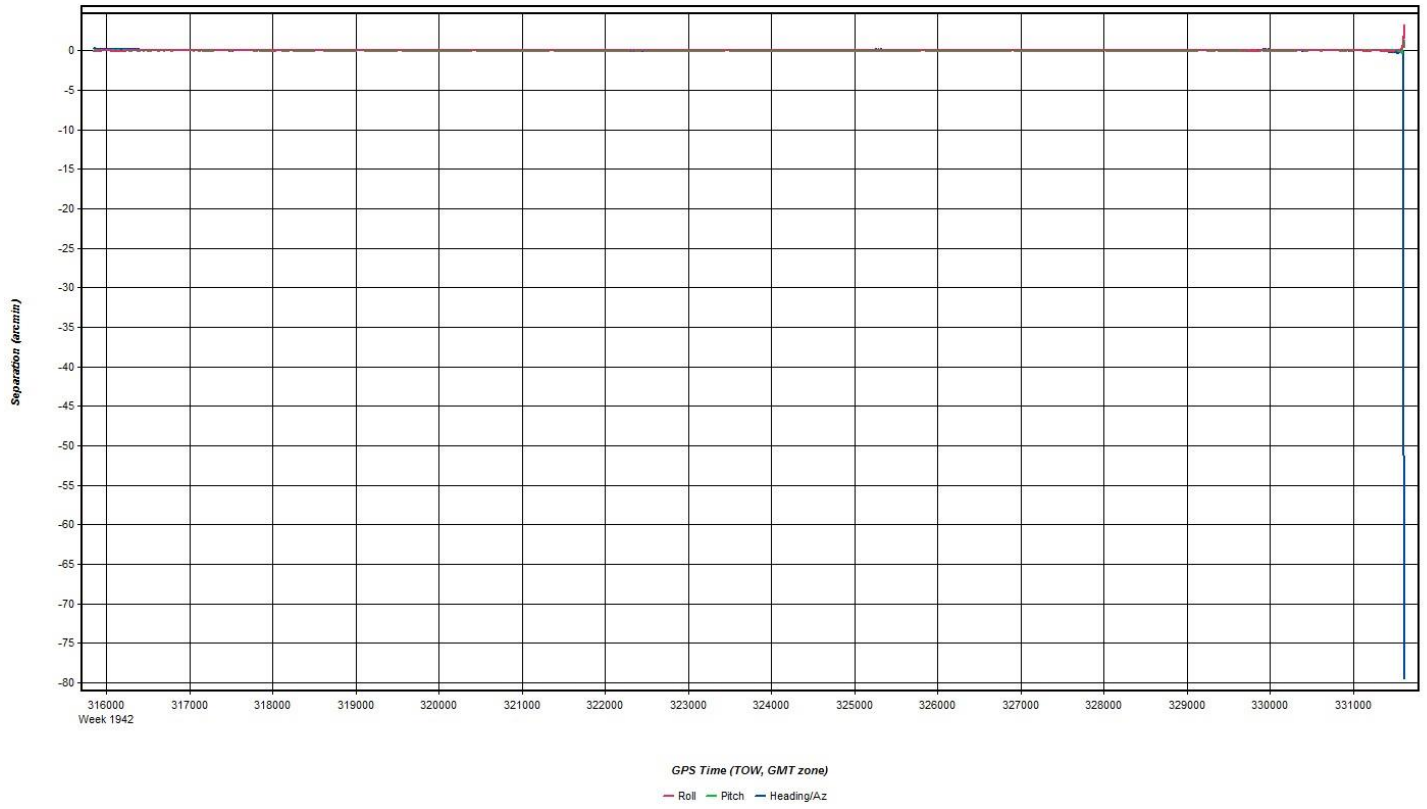












Coordinate/Antenna Settings

Master Remote

Base Station

1: P190 Name: P190 Disabled

File: E:\29724_Mendocino\Dan_Johnson_3-31-17\20170329_FAGL_Mer

Coordinates

Latitude: North 39 14 31.02597 Coord. options

Longitude: West 123 12 14.51790 Save to Favorites

Ellipsoidal height: 203.300 m

Datum: WGS84 Proc Datum: WGS84

Epoch: year

Antenna Height

From station file: TRM59800.80, NONE View STA File

Antenna profile: TRM59800.80 Info

Measured height: 0.008 m

ARP to L1 offset: 0.090 m

Applied height: 0.098 m

Measured to

ARP

L1 Phase Centre

Compute From Slant

OK Cancel

Flight Log

Date: 3/29/2017		Aircraft: 208NR		Sensor: 8239	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8239					
Pilot: Spencer Napor			Sensor Operator: Drew Johnston		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	8:47:00 AM				
Wheels Down	1:05:00 PM				
Begin Hobbs	4657.5				
End Hobbs	4661.8				
On-line Hobbs: 3. 7			Mob Hobbs: 0.6		

Notes

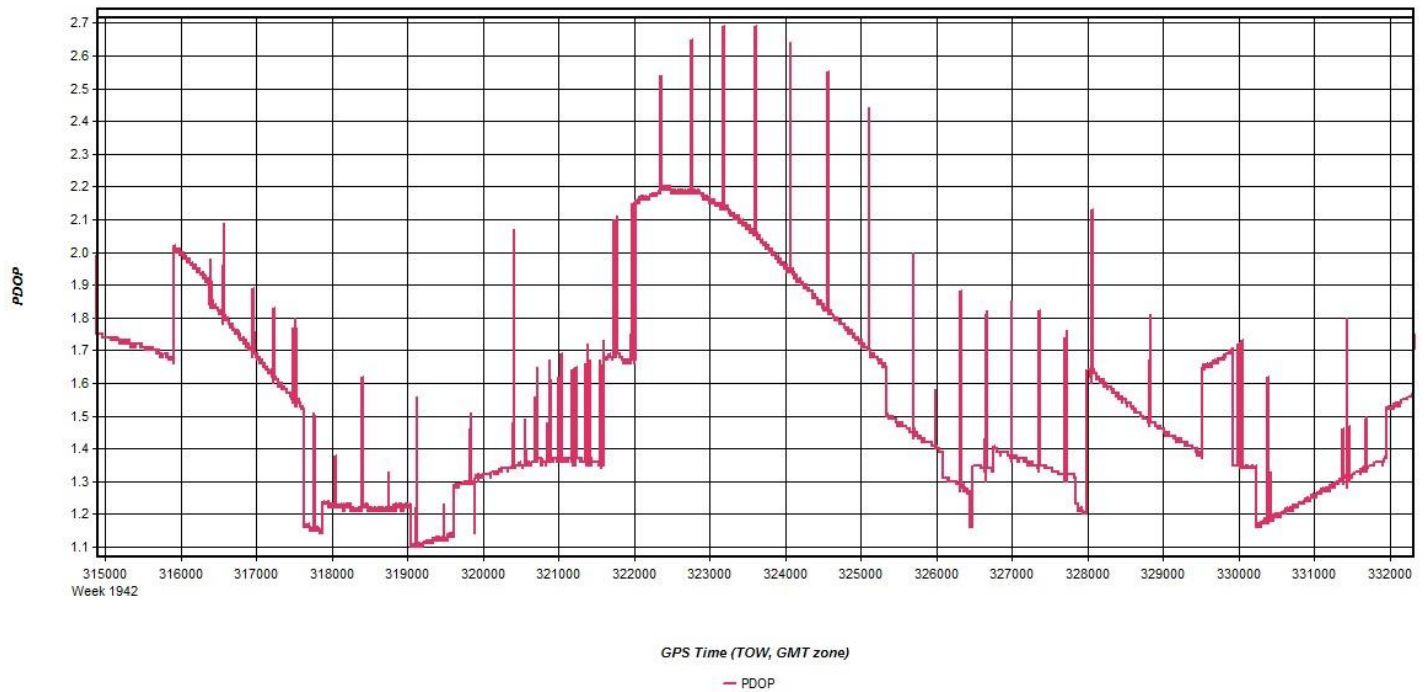
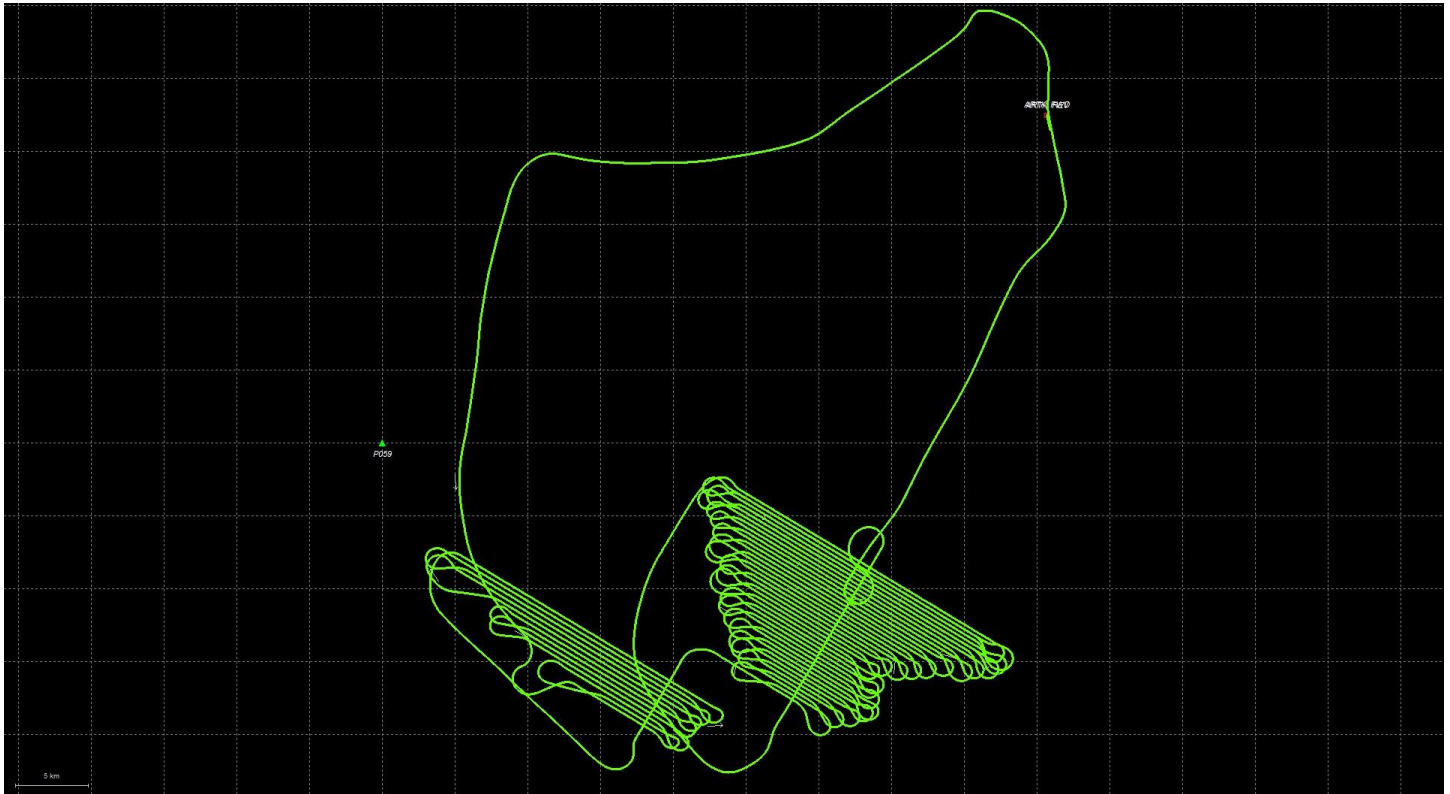
Landed early due to rain in the mountains, laser returns bad on the last line/crossline, marked for refly

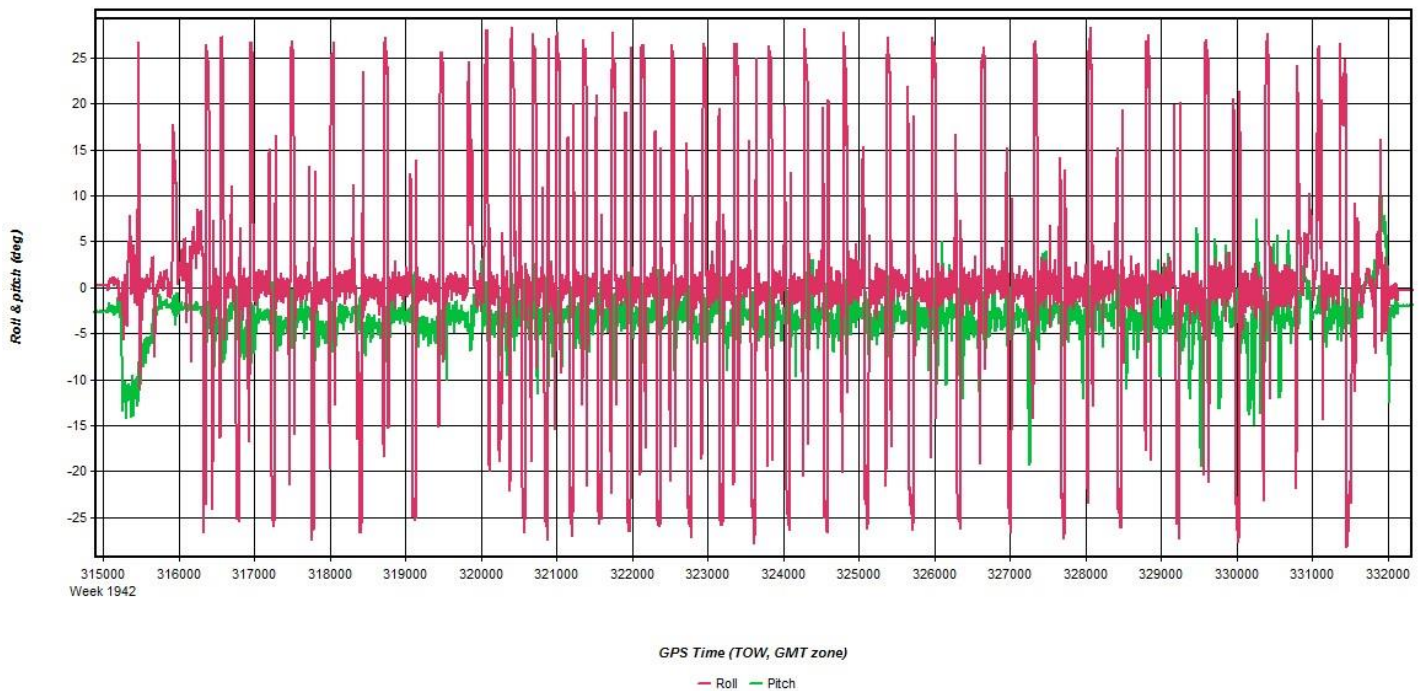
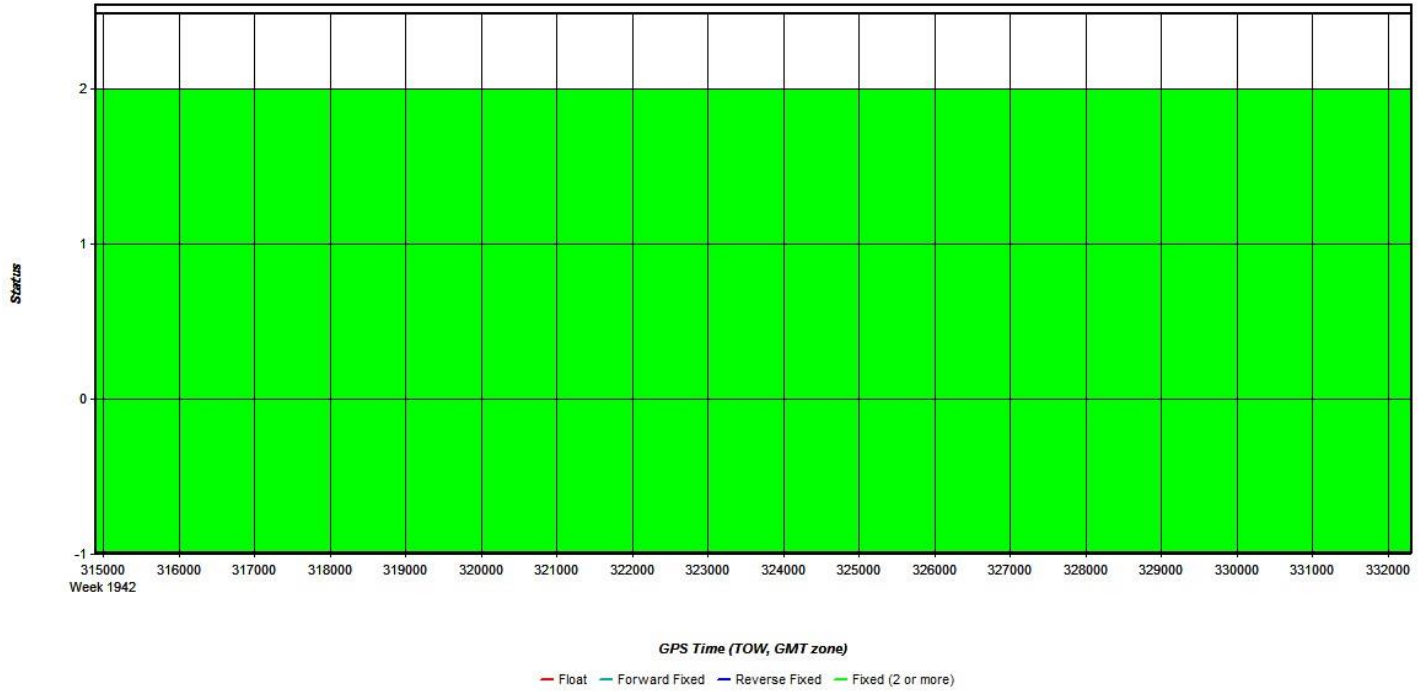
Flt Mgmt File: FAGL_Mendocino_SN8239

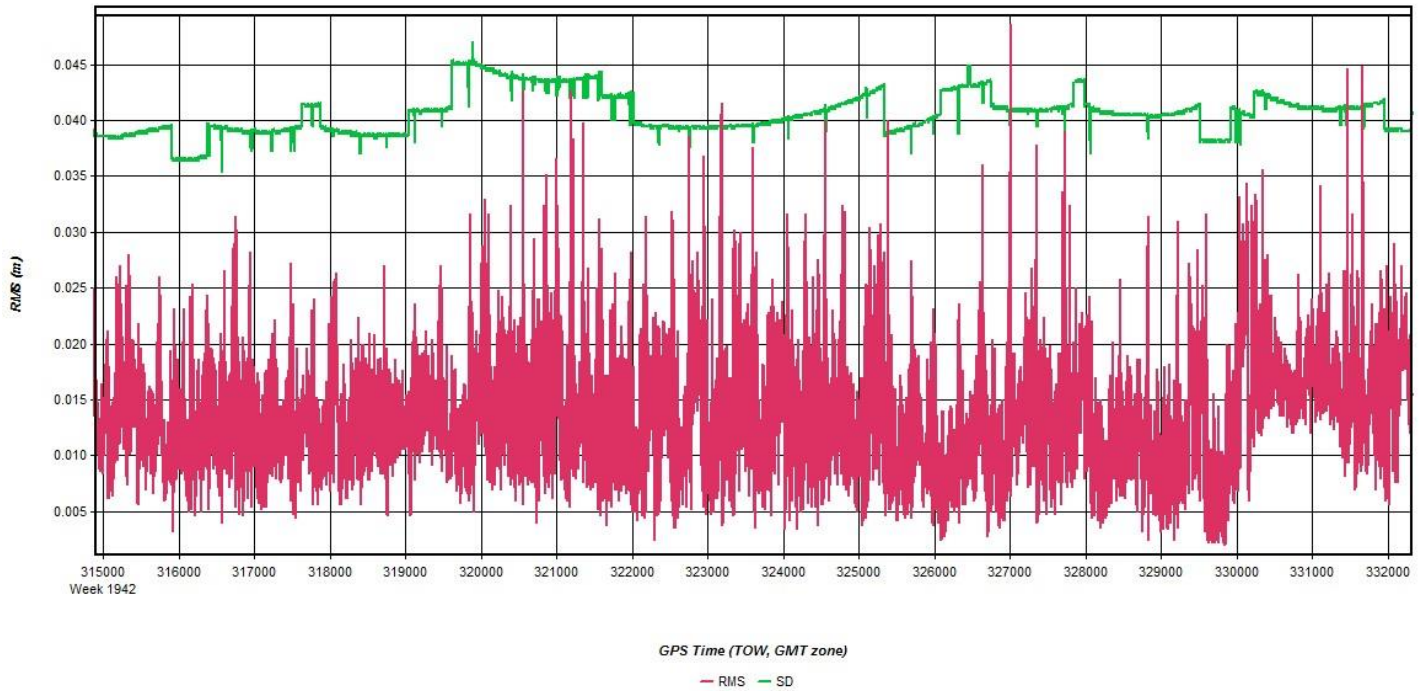
Name	AltStart	TimeStart	TimeEnd
414	1630.071777	16:13	16:19
414	1574.271973	16:22	16:28
413	1563.298706	16:30	16:36
412	1389.806641	16:38	16:44
411	1609.240601	16:46	16:52
410	1486.849731	16:53	16:59
409	1599.713867	17:01	17:07
408	1442.922363	17:08	17:15
407	1639.36438	17:16	17:22
406	1556.408813	17:24	17:31

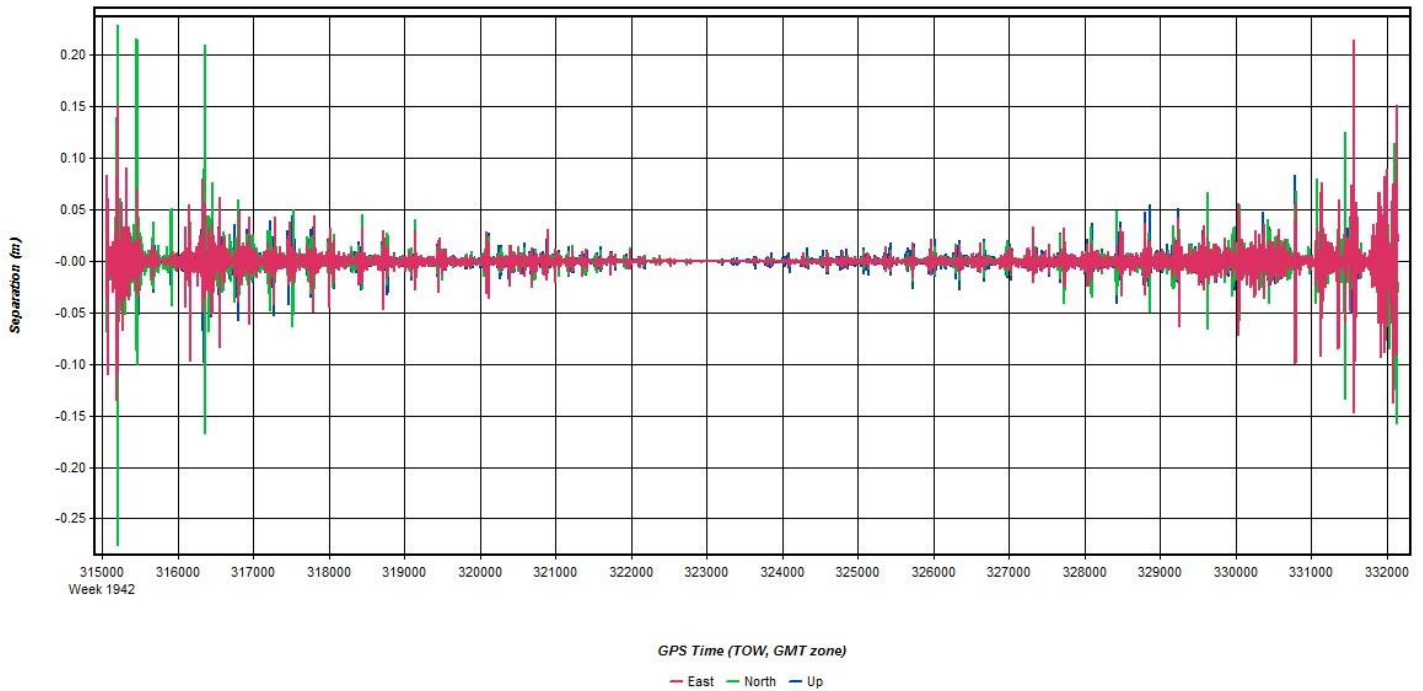
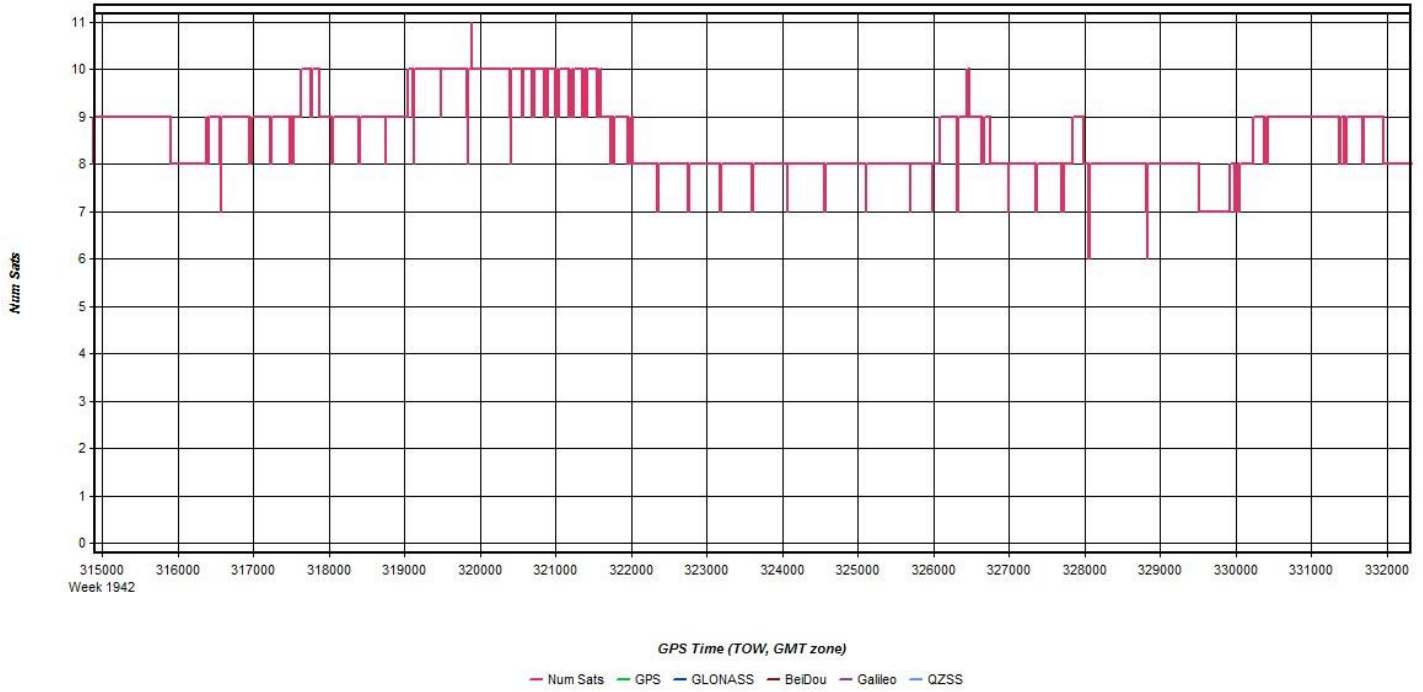
405	1726.558716	17:32	17:32
405	1594.19104	17:35	17:41
404	1556.935791	17:42	17:50
403	1552.619141	17:51	17:58
402	1522.739746	18:00	18:07
401	1601.511108	18:13	18:20
400	1658.283447	18:21	18:29
399	1572.070923	18:30	18:37
398	1502.10083	18:39	18:47
397	1586.872192	18:48	18:56
396	1560.150269	18:57	19:05
395	1655.60022	19:06	19:15
394	1522.2948	19:16	19:24
393	1576.900513	19:25	19:27
393	1627.99292	19:30	19:38
392	1667.93042	19:39	19:46
UL001	1382.473755	19:51	19:53

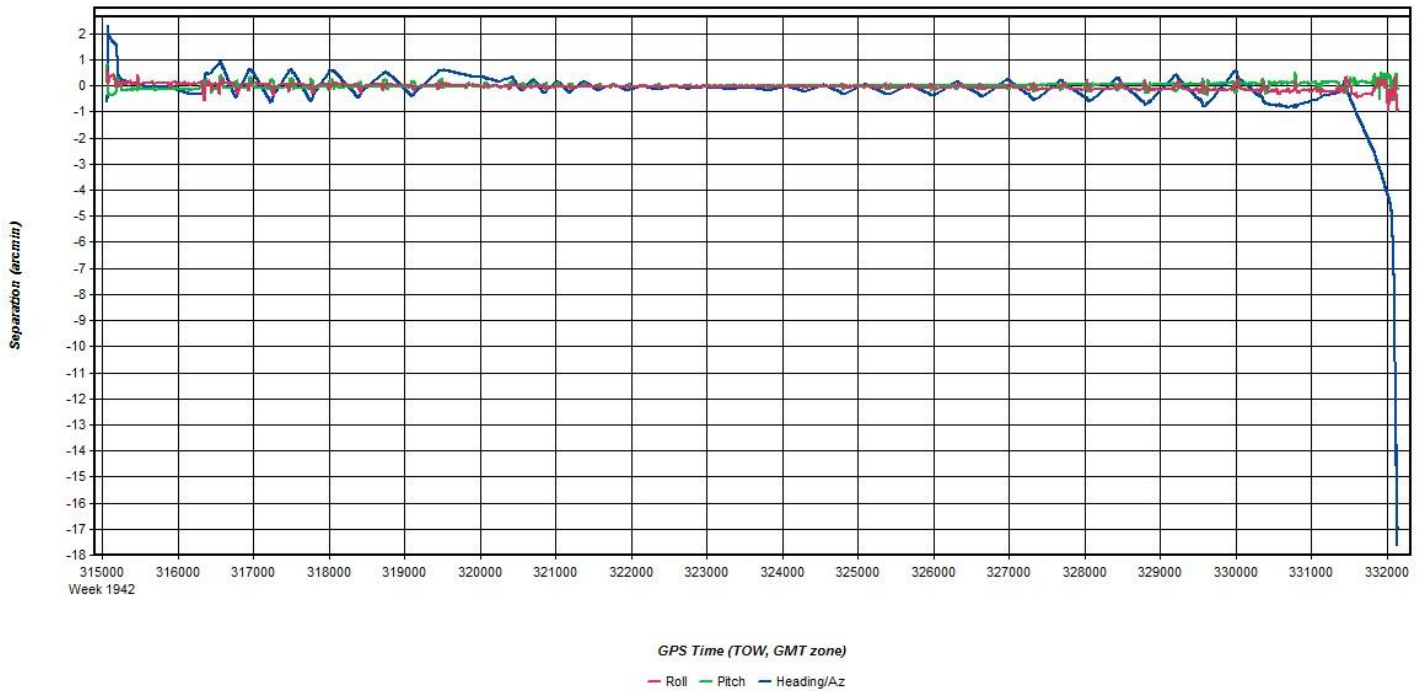
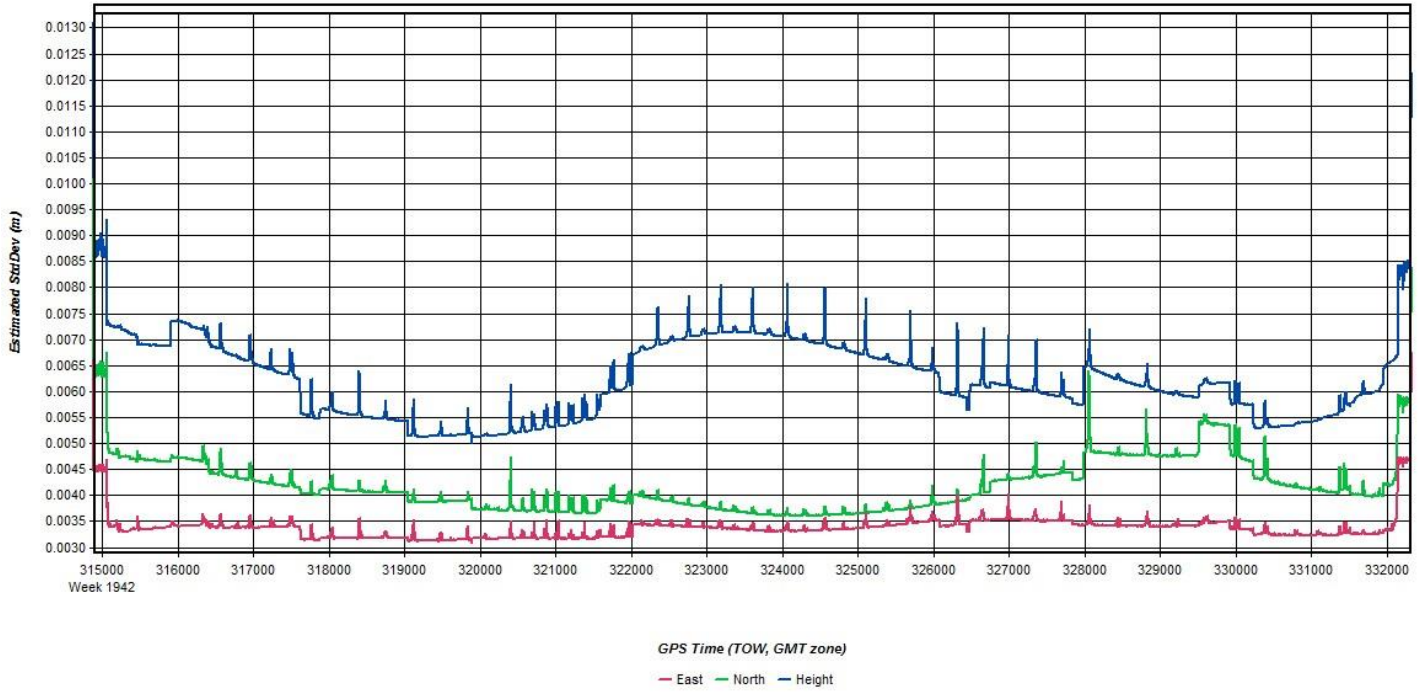
Mar 29, 2017-A (N704MD, SN8121)











Coordinate/Antenna Settings

Master Remote

Base Station
1: P059 Name: P059 Disabled
File: E:\29724_Mendocino\Dan_Johnson_3-31-17\20170329_SN8121_M

Coordinates
Latitude: North 38 55 42.03419 Coord. options
Longitude: West 123 43 34.25639 Save to Favorites
Ellipsoidal height: -10.822 m
Datum: WGS84 Proc Datum: WGS84
Epoch: year

Antenna Height
From station file: TRM59800.80, SCIT View STA File
Antenna profile: TRM59800.80, SCIT Info
Measured height: 0.008 m
ARP to L1 offset: 0.085 m
Applied height: 0.093 m
Measured to
 ARP
 L1 Phase Centre
Compute From Slant

OK Cancel

Flight Log

Date: 3/29/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: SN8121 Mendocino					
Pilot: Brian Butler			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	8:35:00 AM				
Wheels Down	1:15:00 PM				
Begin Hobbs	11767.8				
End Hobbs	11772.5				
On-line Hobbs: 4. 2			Mob Hobbs: 0.5		

Notes

Wheels up at 0835. There was some fog scattered throughout the aoi so we had to jump down south and start working northward on the coast. We got some lines done and then clouds moved in from off shore so we jumped over and started in on the southern inland lines. We flew until we started encountering precip. Wheels down 1315. We used PPP for this flight.

Flt Mgmt File: SN8121 Mendocino

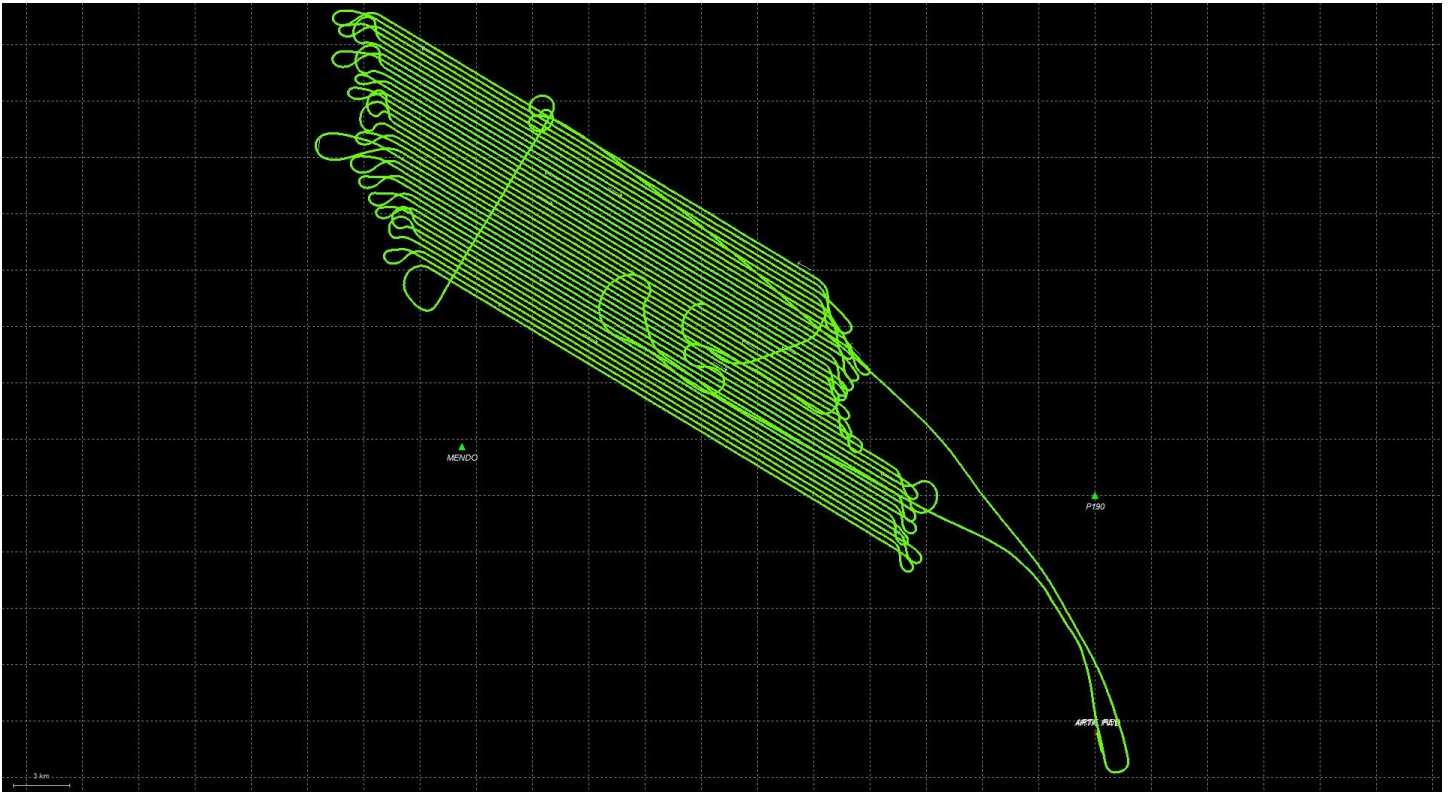
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
239	1665.321 m	15:54:58	20.94222945	1637.517 m	15:55:26	21.0467543
238	1646.313 m	15:56:58	21.33802395	1643.869 m	15:58:00	21.50241892
237	1638.080 m	16:00:13	21.90318662	1640.016 m	16:01:47	22.25206351
236	1663.544 m	16:03:37	22.59834346	1622.836 m	16:06:21	23.02536227
235	1641.414 m	16:08:03	23.34532726	1637.727 m	16:10:44	23.94219064
234	1630.284 m	16:12:21	24.24569784	1625.236 m	16:15:06	24.6676609
233	1647.886 m	16:16:47	24.97923166	1628.023 m	16:19:36	25.6018009

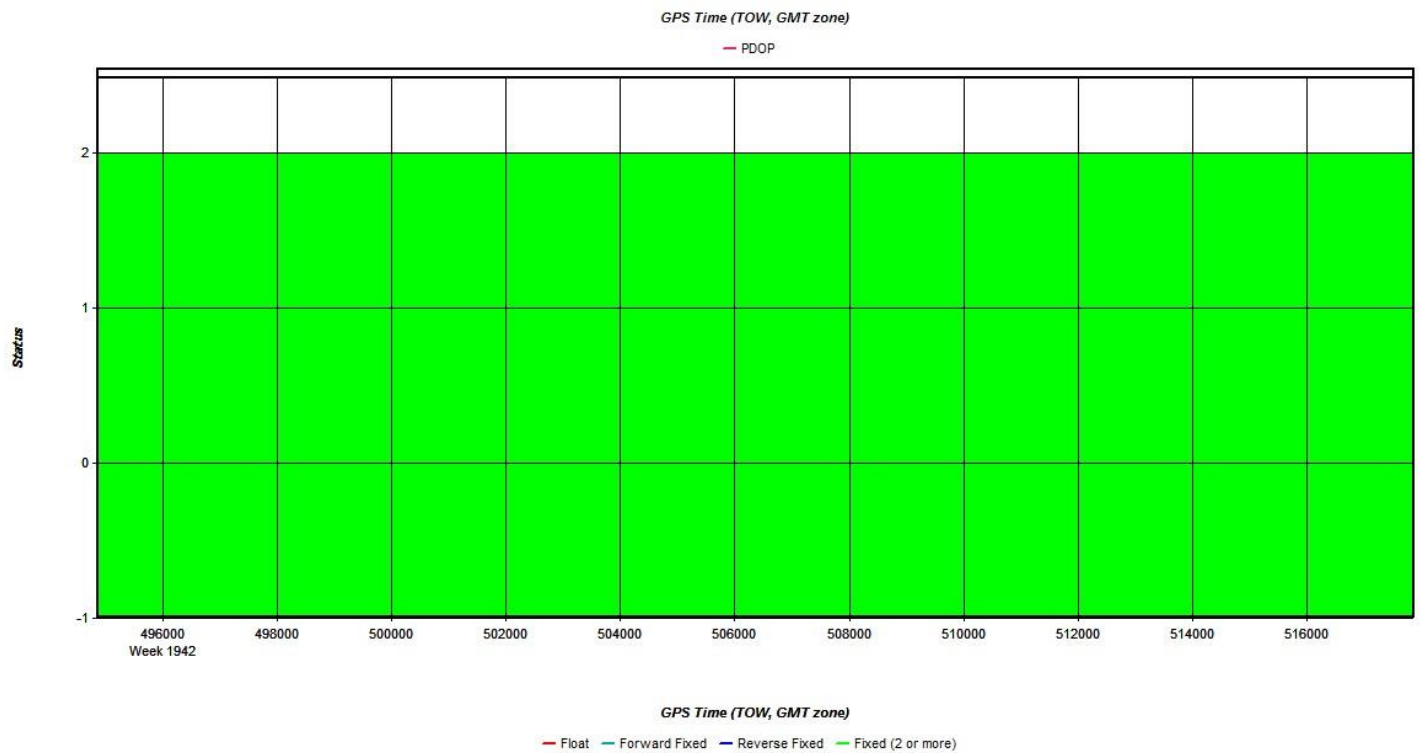
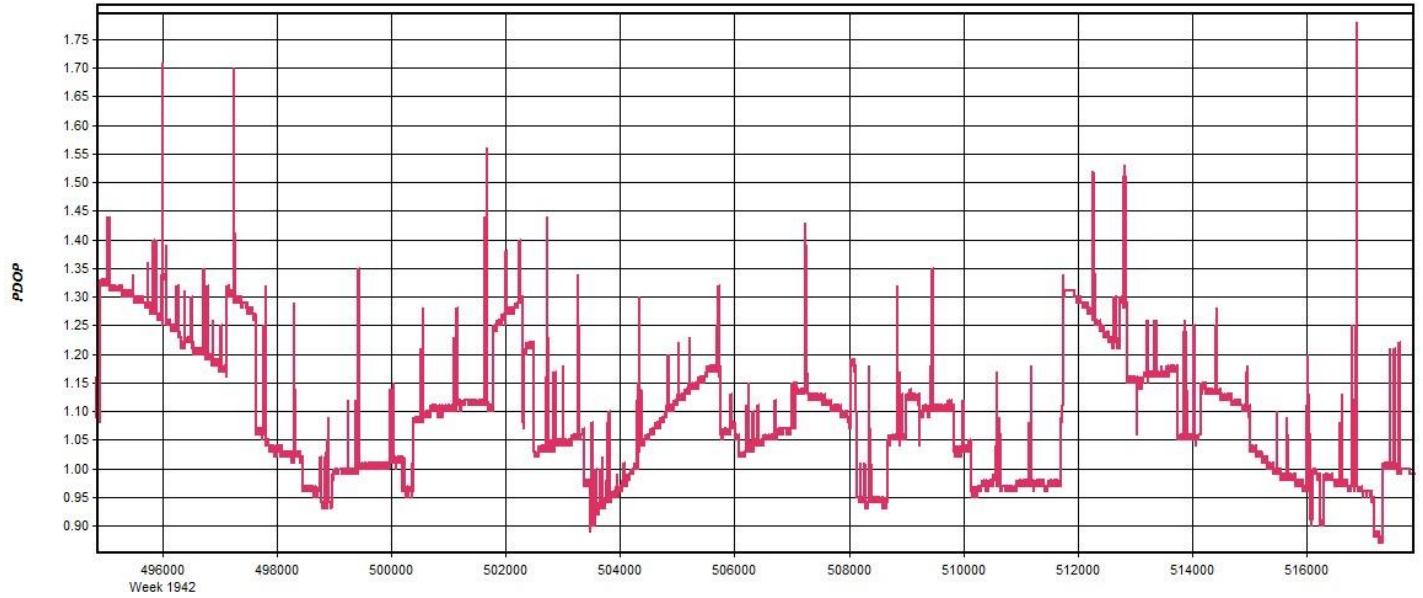
232	1615.564 m	16:21:13	25.90521346	1623.570 m	16:24:50	26.45442586
231	1633.029 m	16:27:22	26.90316772	1646.913 m	16:31:29	27.80599287
230	1650.982 m	16:33:06	28.10313483	1642.294 m	16:37:26	28.74800759
229	1643.893 m	16:39:09	29.05762957	1623.528 m	16:43:41	30.03832745
228	1626.952 m	16:45:14	30.32374413	1679.775 m	16:50:02	31.02264587
506	1687.224 m	16:58:54	32.81198356	1727.100 m	16:59:12	32.87566602
505	1709.224 m	17:01:04	33.20913021	1709.241 m	17:01:33	33.27703382
504	1741.827 m	17:03:24	33.60037218	1728.318 m	17:04:05	33.74433513
503	1777.786 m	17:05:42	34.03047409	1783.536 m	17:06:35	34.15464058
502	1858.894 m	17:08:13	34.43749373	1799.579 m	17:09:18	34.66251943
501	1795.678 m	17:10:56	34.94908275	1807.487 m	17:12:09	35.11625448
500	1818.818 m	17:13:50	35.40423486	1840.180 m	17:15:15	35.69752745
499	1787.452 m	17:16:47	35.96098378	1792.860 m	17:18:23	36.18032675
498	1797.393 m	17:20:02	36.45900107	1787.338 m	17:21:36	36.78038969
497	1787.170 m	17:23:15	37.05816749	1798.625 m	17:24:52	37.27226028
496	1796.309 m	17:26:27	37.53522632	1793.866 m	17:28:05	37.86623171
495	1782.102 m	17:29:42	38.13288919	1787.849 m	17:31:23	38.35219698
494	1799.977 m	17:33:03	38.62461522	1803.118 m	17:34:43	38.95795789
493	1782.591 m	17:36:22	39.22525336	1800.988 m	17:38:05	39.44371127
492	1799.175 m	17:39:54	39.73509458	1814.418 m	17:41:36	40.06992764
491	1801.832 m	17:43:30	40.3714138	1785.026 m	17:45:16	40.59059685
490	1767.095 m	17:46:54	40.8468186	1800.357 m	17:48:38	41.18232547
489	1794.202 m	17:50:16	41.43644192	1794.748 m	17:52:06	41.65739847
488	1787.264 m	17:54:08	41.96918584	1793.469 m	17:56:06	42.34154768
487	1797.991 m	17:57:41	42.58604786	1823.510 m	17:59:58	42.85466733
486	1837.291 m	18:01:39	43.10504799	1885.306 m	18:03:59	43.5355049
485	1871.082 m	18:05:39	43.78456213	1850.234 m	18:08:21	44.09073299
484	1858.860 m	18:09:52	44.30821264	1799.166 m	18:12:38	44.80025148

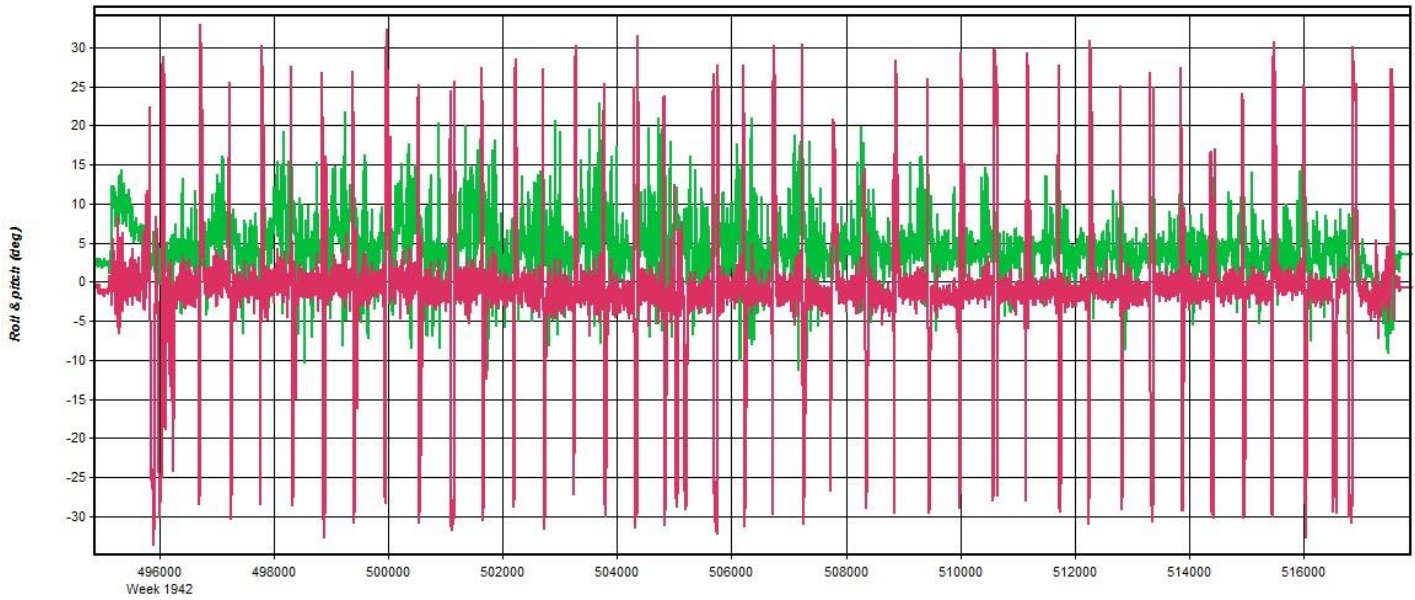
483	1814.658 m	18:14:14	45.03045623	1839.424 m	18:17:10	45.34208512
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Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
482	1863.957 m	18:19:07	45.61060537	1851.177 m	18:22:14	46.14367645
481	1853.105 m	18:23:48	46.35825366	1864.118 m	18:27:06	46.68765841
480	1862.519 m	18:28:49	46.91090236	1909.273 m	18:32:13	47.46782408
479	1964.602 m	18:33:46	47.66722388	1752.043 m	18:37:37	48.02920157
478	1840.430 m	18:39:13	48.22344396	2004.095 m	18:43:00	48.80445266
477	2058.977 m	18:44:46	49.01512492	1872.447 m	18:48:53	49.36164285
476	1890.246 m	18:50:30	49.54155545	2101.320 m	18:54:39	50.12975656
475	2069.958 m	18:56:20	50.31165603	1882.994 m	19:00:36	50.62049076
474	1923.459 m	19:02:16	50.78643478	2025.253 m	19:06:41	51.35554128
473	2017.939 m	19:08:19	51.51047763	1852.031 m	19:13:02	51.79960982
473	1811.479 m	19:14:54	51.96368563	2014.154 m	19:19:24	52.47445215
472	2029.739 m	19:21:07	52.60891916	1877.023 m	19:25:53	52.83768362
471	1902.909 m	19:27:29	52.94990487	2155.490 m	19:32:21	53.40895855
470	2120.313 m	19:34:00	53.51022841	1928.593 m	19:38:58	53.67951764
470	1871.412 m	19:40:41	53.77416983	2137.137 m	19:45:31	54.13697077
469	2234.533 m	19:47:36	54.2277314	1963.062 m	19:52:49	54.32546355
UL001	1668.227 m	16:55:03	32.06041838	1647.701 m	16:56:55	32.39846729
UL002	1731.010 m	19:58:55	54.67090215	1722.291 m	20:02:28	54.66399458

Mar 31, 2017-A (N208NR, SN8239)

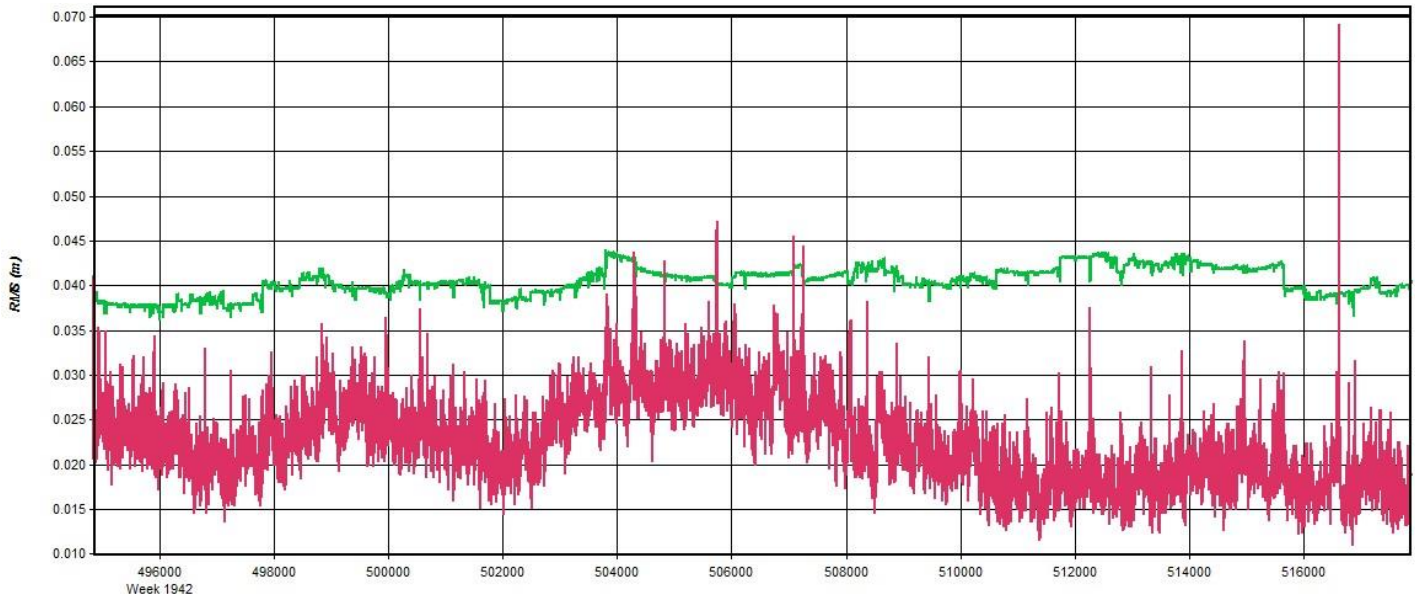






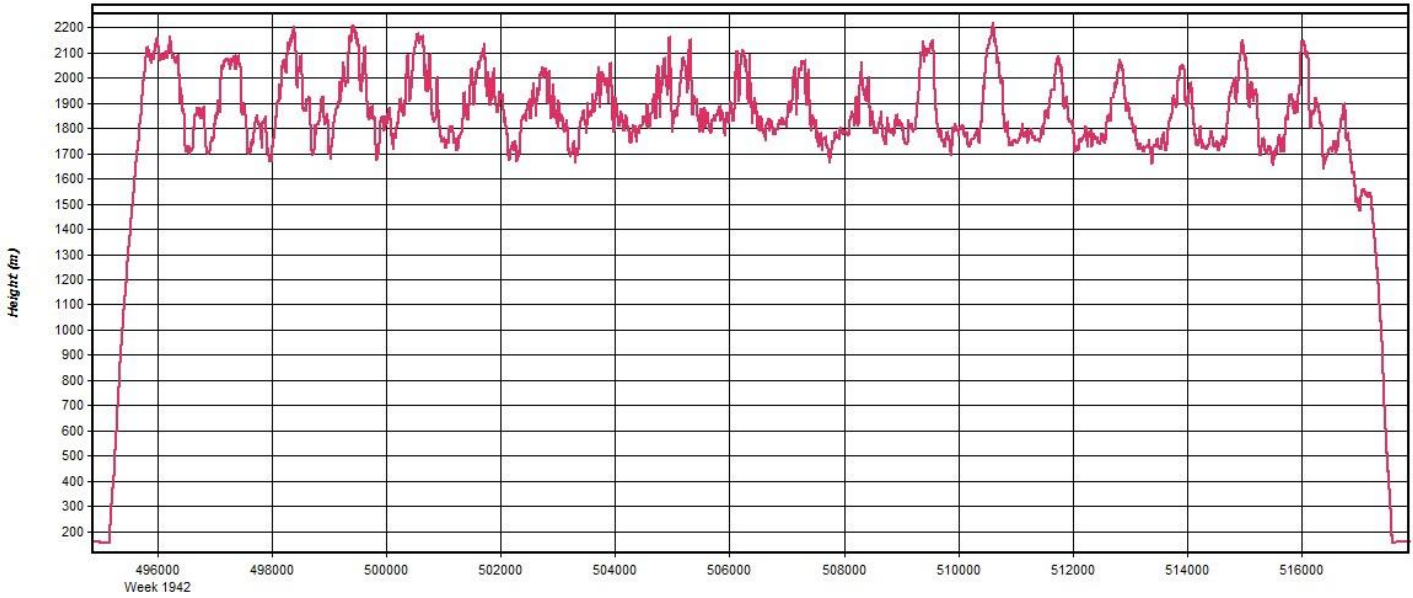
GPS Time (TOW, GMT zone)

— Roll — Pitch

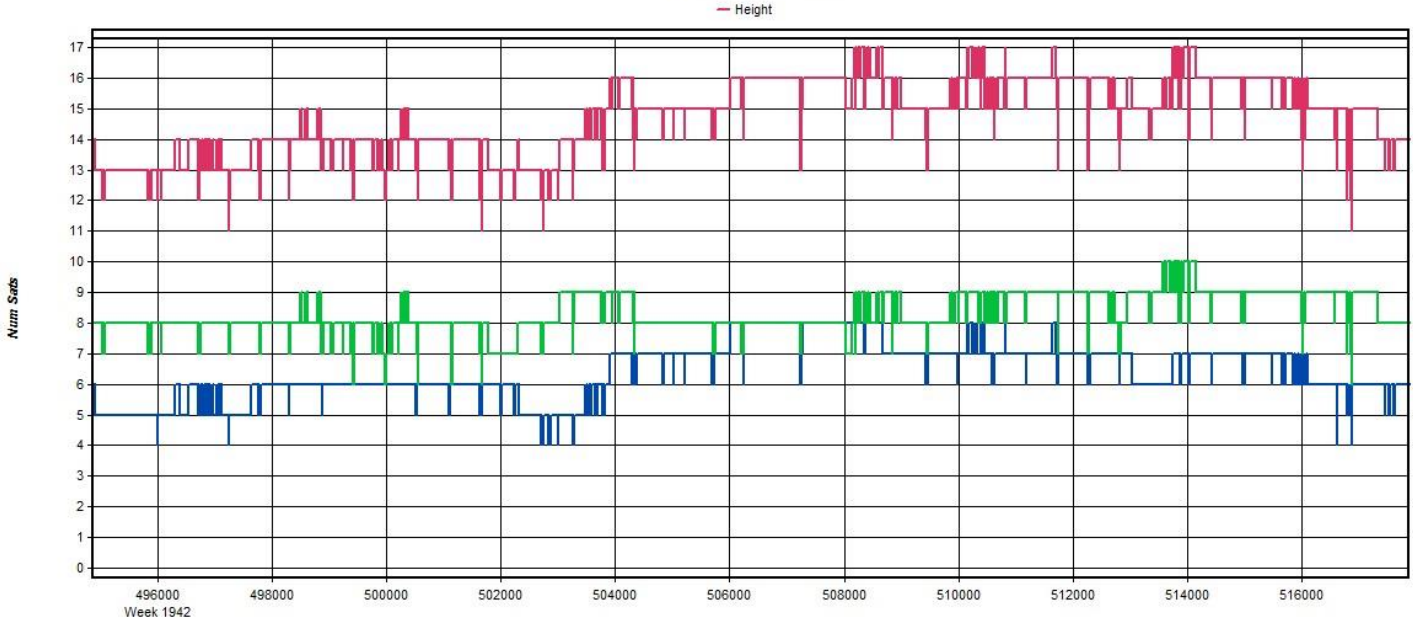


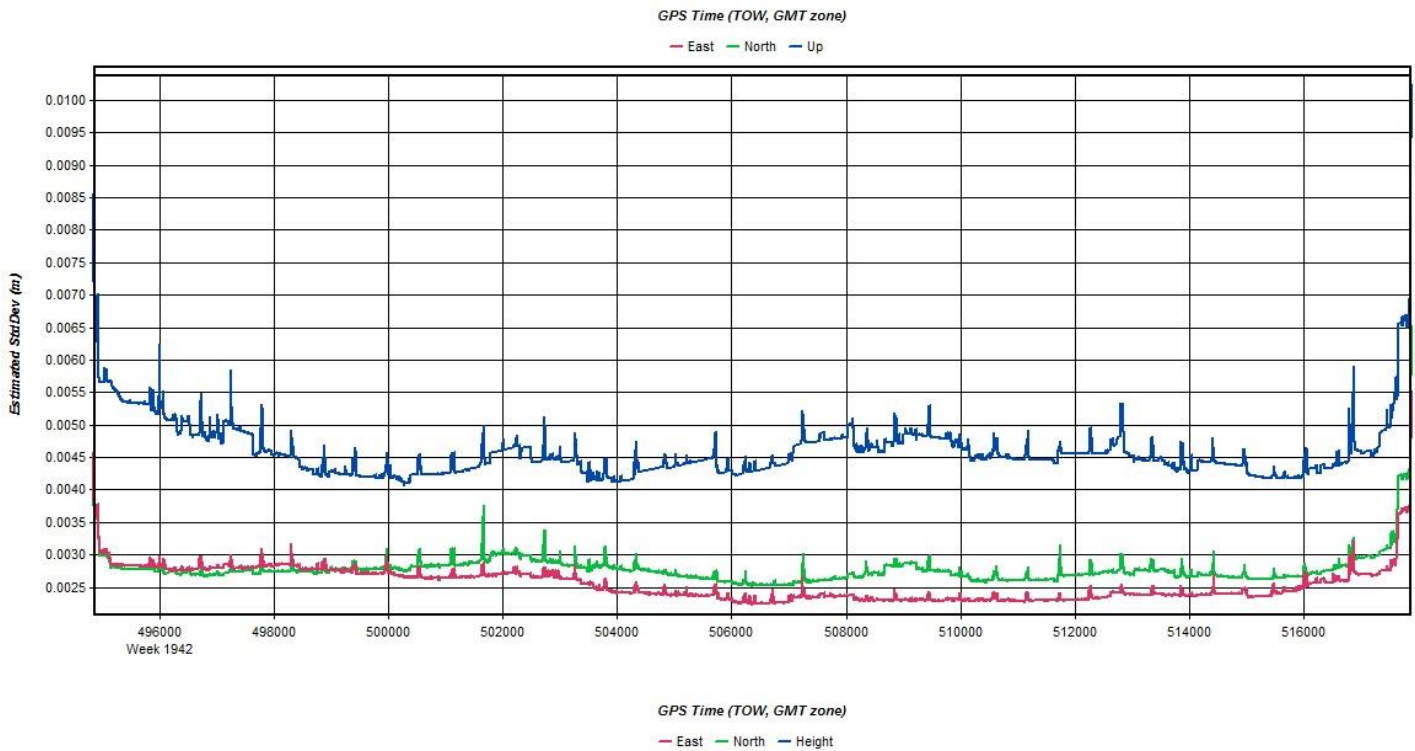
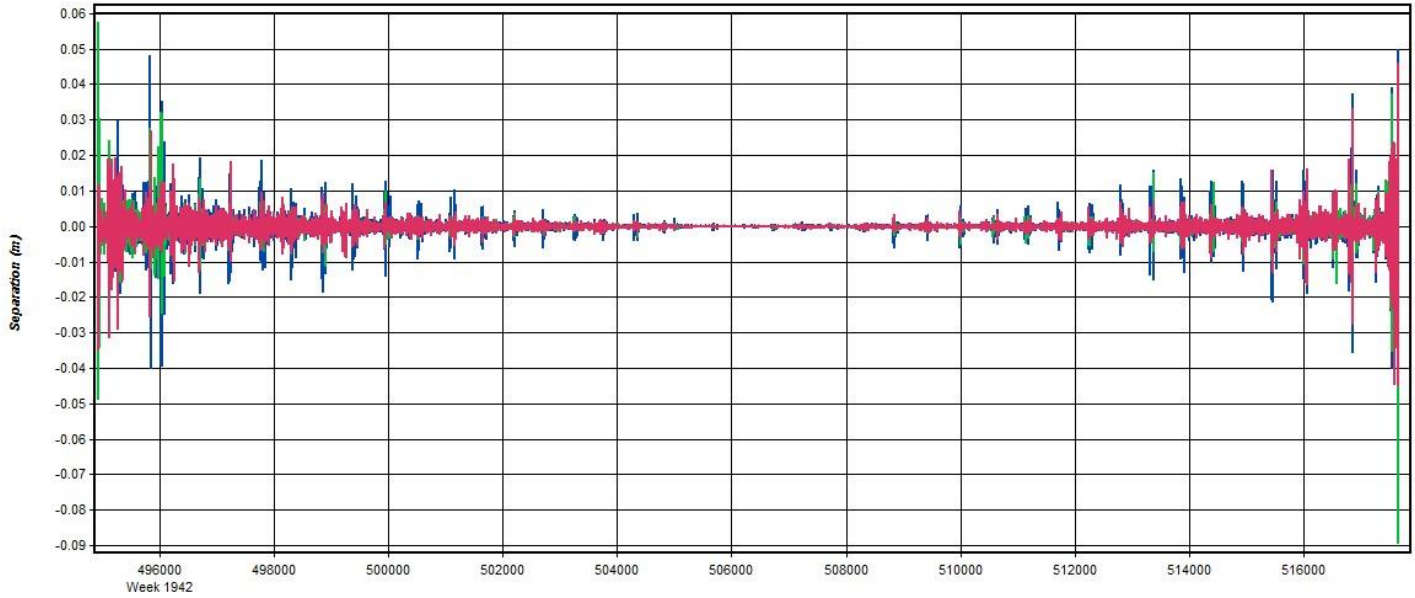
GPS Time (TOW, GMT zone)

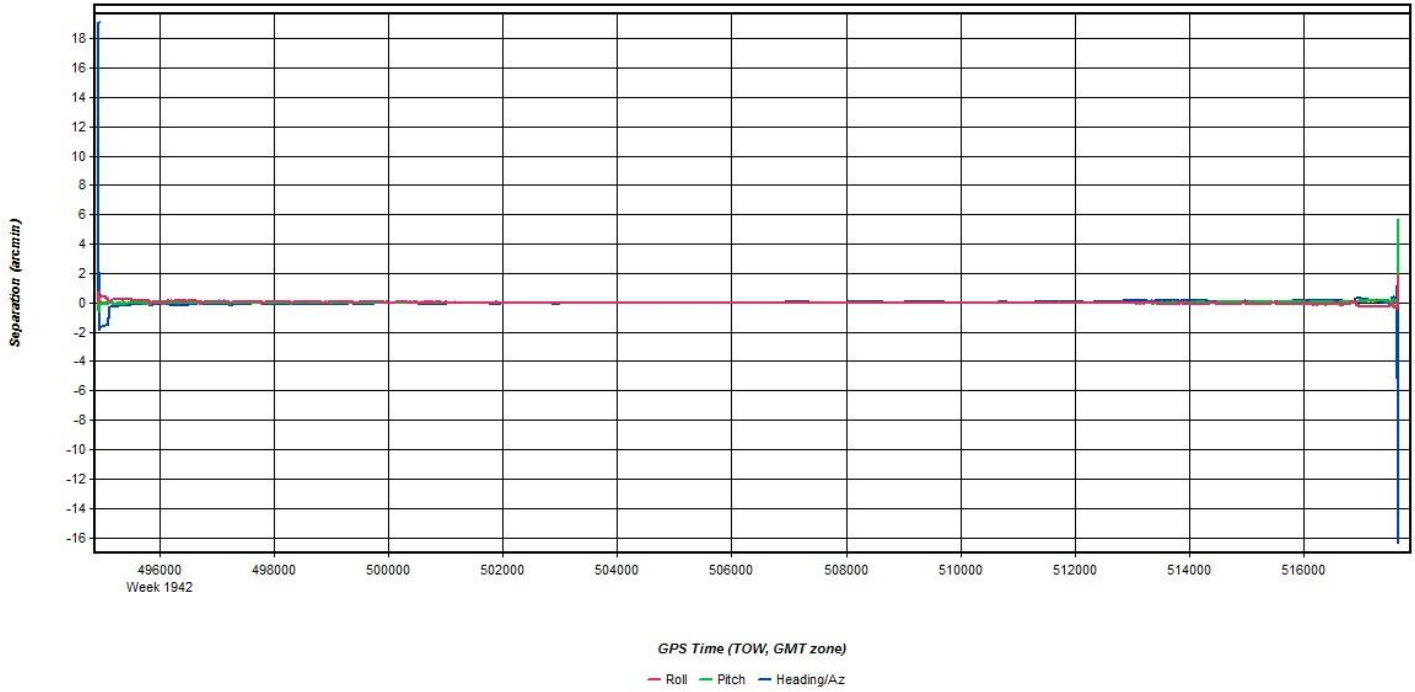
— RMS — SD



GPS Time (TOW, GMT zone)







Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: MENDO Name: MENDO Disabled
 File: E:\29724_Mendocino\29724_USGS_Mendocino\From_Andre_Samp

Coordinates
 Latitude: North 39 15 55.07841 Coord. options
 Longitude: West 123 35 40.28506 Save to Favorites
 Ellipsoidal height: 25.581 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 1.500 m
 ARP to L1 offset: 0.067 m
 Applied height: 1.567 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P190 Name: P190 Disabled
 File: E:\29724_Mendocino\Drew_Johnston_4-3-17\20170331_FAGL_Me

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 3/31/2017		Aircraft: 208NR		Sensor: 8239	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8239					
Pilot: Spencer Napor			Sensor Operator: Drew Johnston		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	10:32:00 AM	5:49:00 PM			
Wheels Down	4:46:00 PM	7:14:00 PM			
Begin Hobbs	4662.4	4668.6			
End Hobbs	4668.6	4670			
On-line Hobbs: 6. 8			Mob Hobbs: 0.8		
Notes					
2 lifts to take advantage of the good weather. Delayed in the am due to lingering fog.					

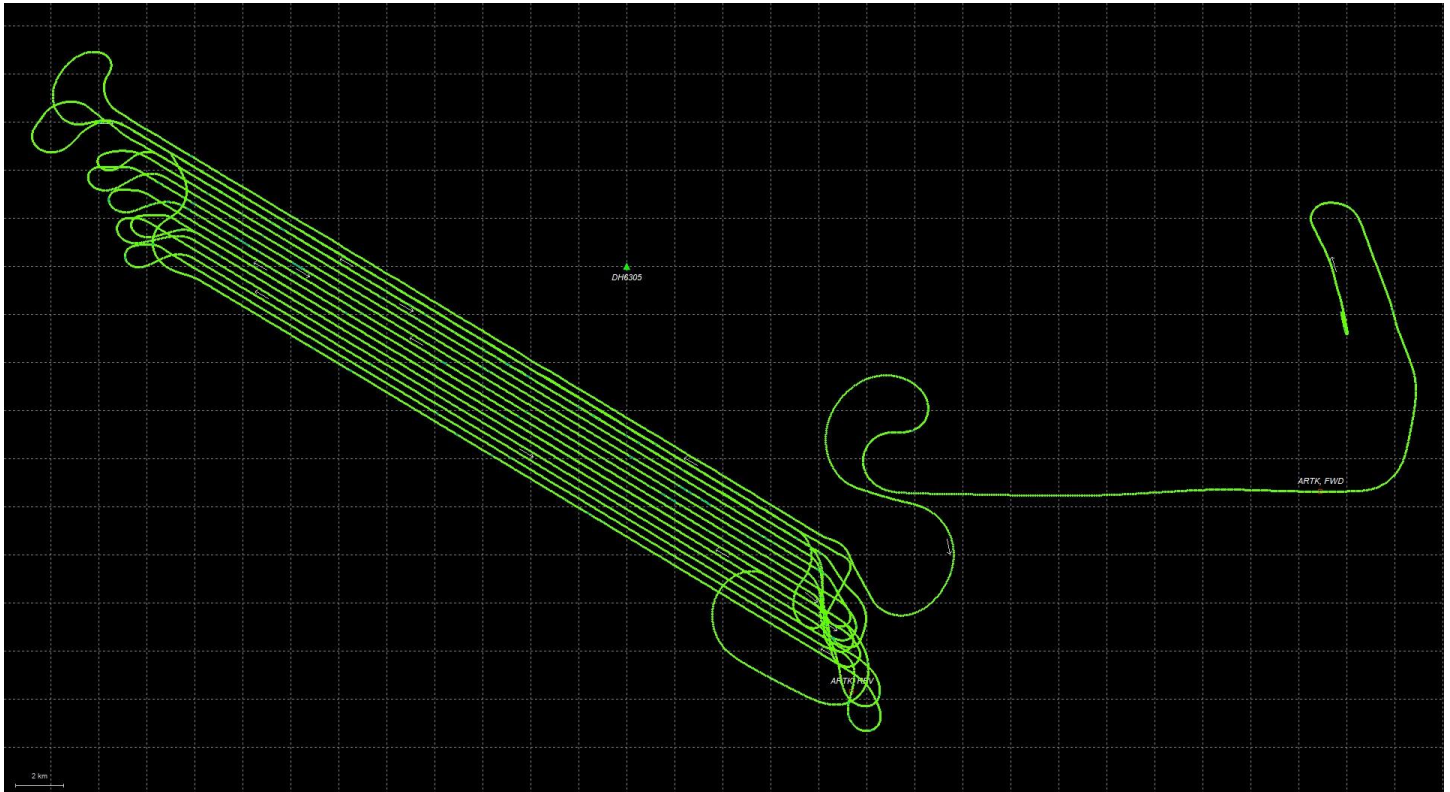
Flt Mgmt File: FAGL_Mendocino_SN8239

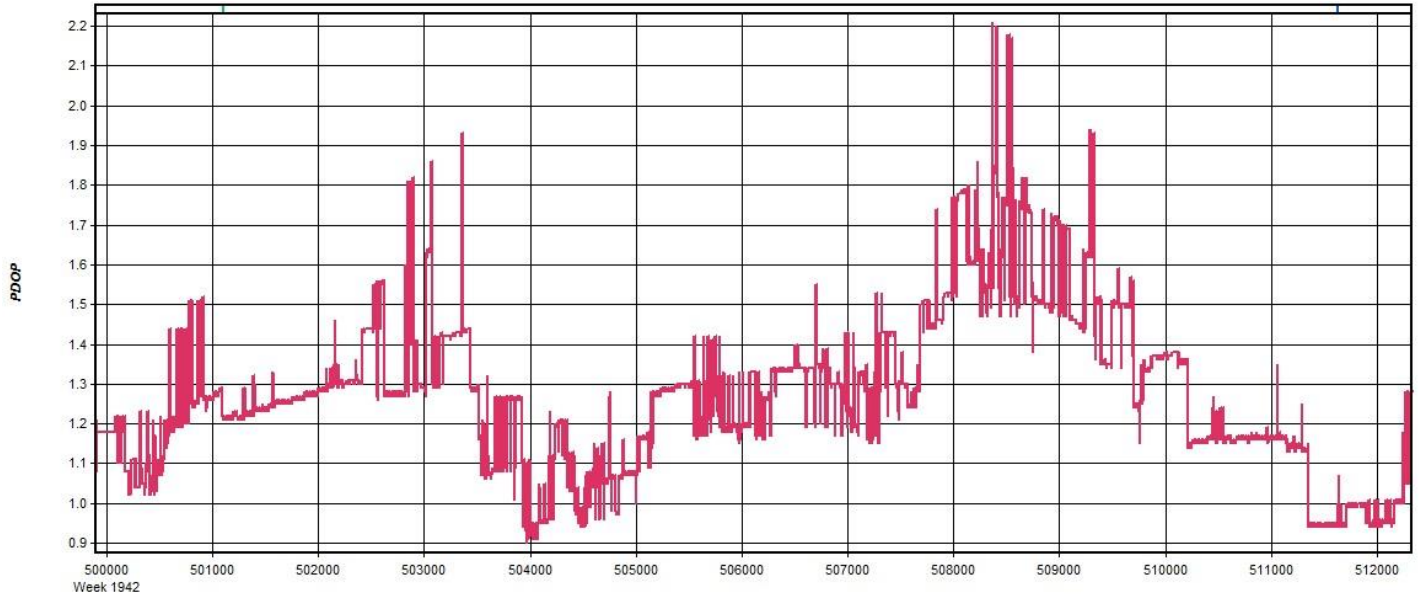
Name	AltStart	TimeStart	TimeEnd
307	1590.327637	17:50	17:57
308	1646.151978	17:59	18:06
309	1478.920898	18:08	18:15
310	1496.563965	18:17	18:24
311	1512.700562	18:26	18:33
312	1659.432251	18:35	18:42
313	1522.229492	18:44	18:52
314	1546.394287	18:53	19:01
315	1462.388184	19:03	19:11
316	1459.815674	19:12	19:20
317	1565.74707	19:21	19:29
318	1605.282471	19:30	19:38
319	1460.244385	19:39	19:47
320	1673.003174	19:48	19:55
321	1447.545532	19:57	20:04
322	1516.779297	20:05	20:13
322	1508.102051	20:14	20:16
323	1558.456055	20:20	20:27
324	1650.283691	20:29	20:36
325	1578.578491	20:37	20:44
326	1552.191895	20:46	20:53
327	1592.151611	20:54	21:01
328	1569.165894	21:04	21:11
329	1494.82312	21:13	21:20
330	1486.702515	21:21	21:30
331	1524.768433	21:31	21:39

332	1571.255737	21:41	21:49
333	1583.543335	21:50	21:58
334	1654.708374	22:00	22:08
335	1548.915161	22:09	22:17
336	1551.726929	22:18	22:26
337	1451.410767	22:27	22:35
338	1561.460083	22:36	22:43
339	1424.883911	22:45	22:52
340	1654.886719	22:54	23:01
341	1405.969971	23:03	23:10

Name	AltStart	TimeStart	TimeEnd
342	1642.081421	23:12	23:19
343	1389.598877	23:21	23:28
UL001	1639.121826	23:29	23:32

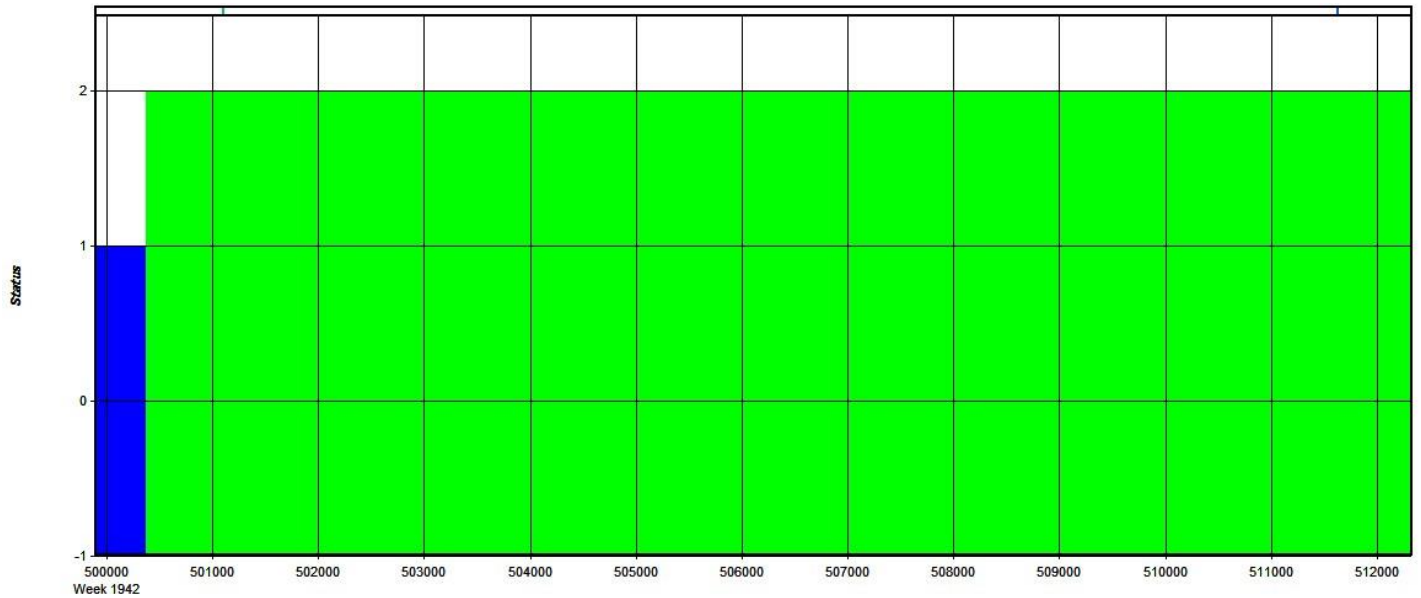
Mar 31, 2017-A (N704MD, SN8121)





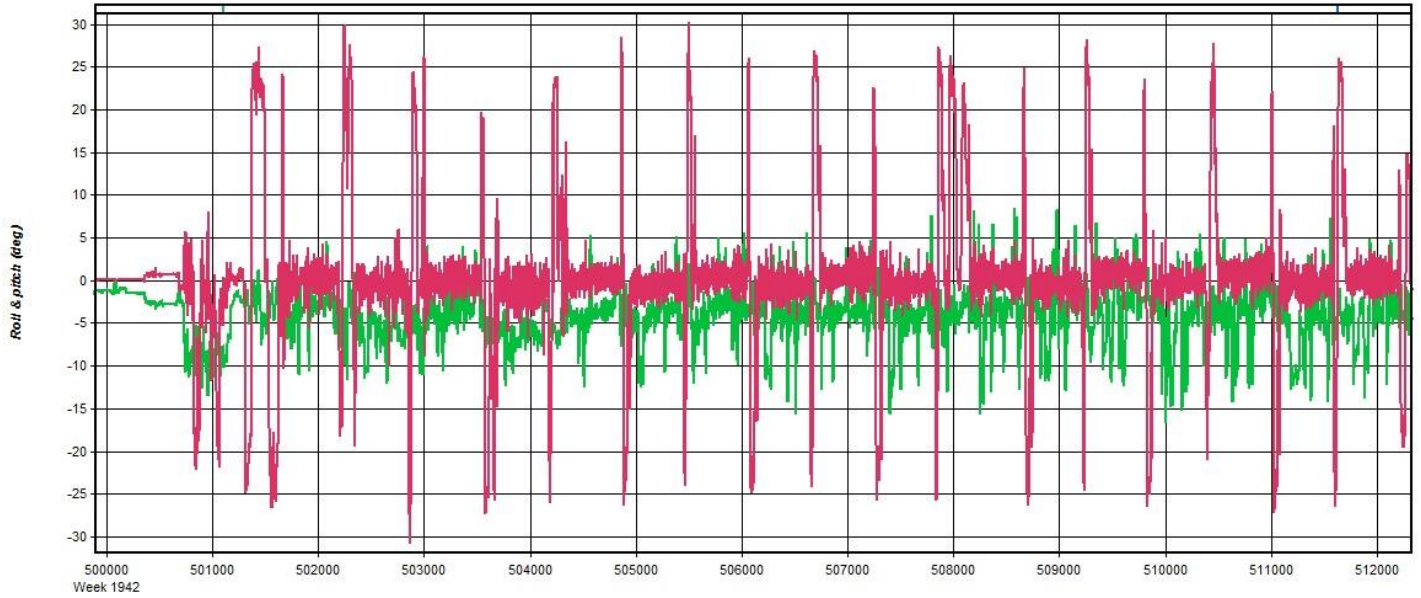
GPS Time (TOW, GMT zone)

— PDOP



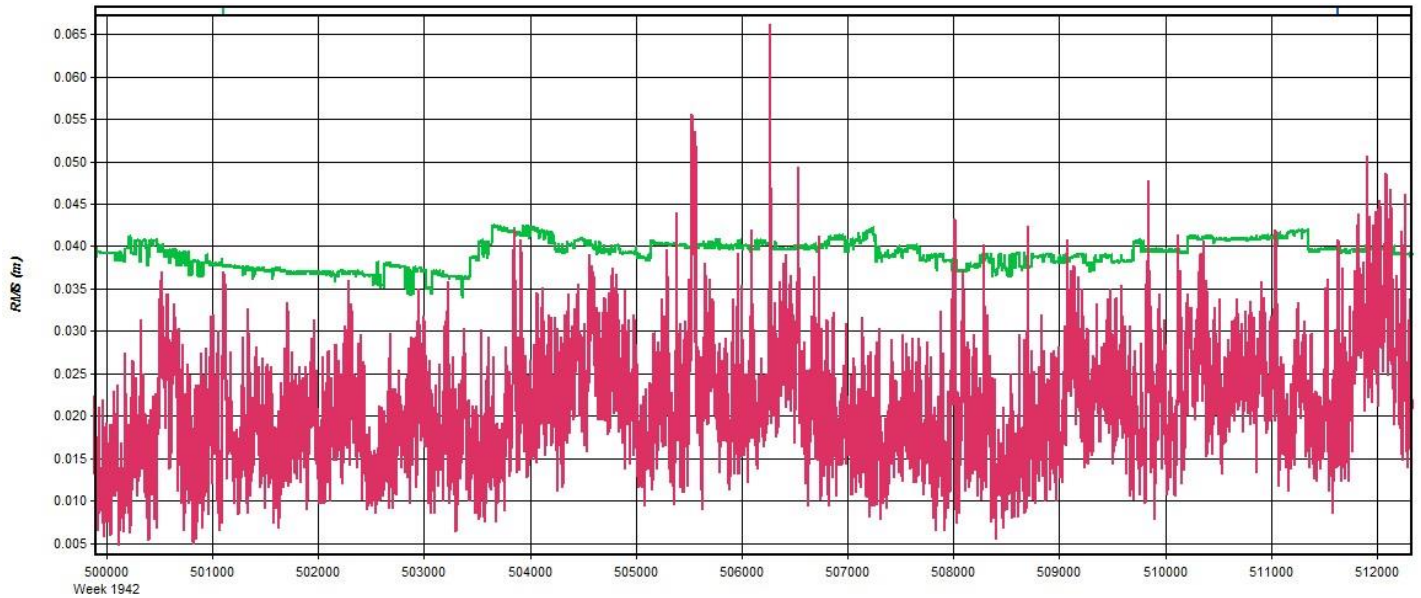
GPS Time (TOW, GMT zone)

— Float — Forward Fixed — Reverse Fixed — Fixed (2 or more)



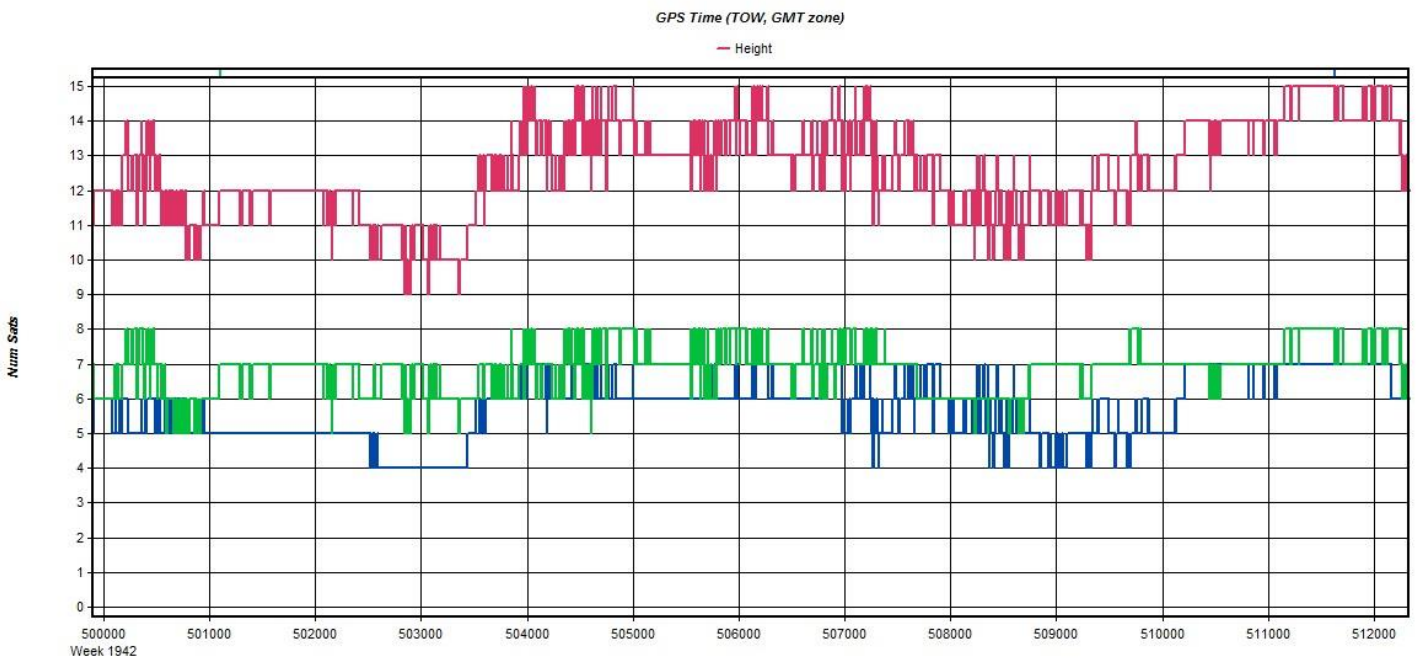
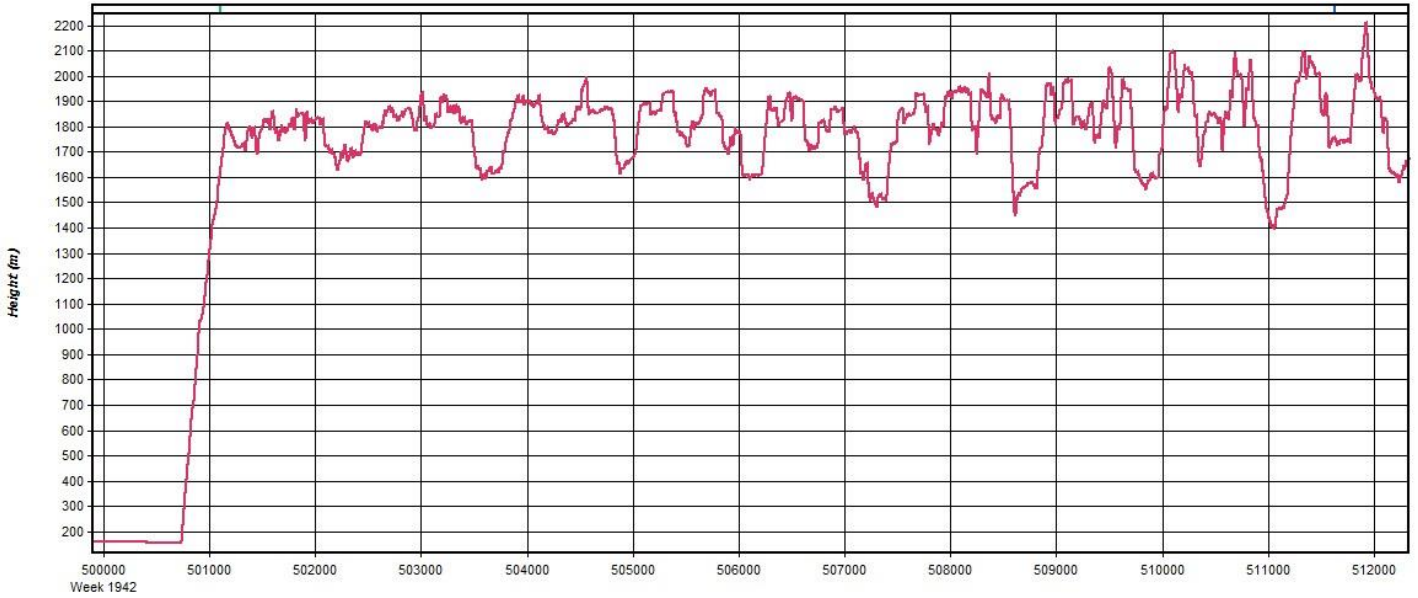
GPS Time (TOW, GMT zone)

Roll Pitch



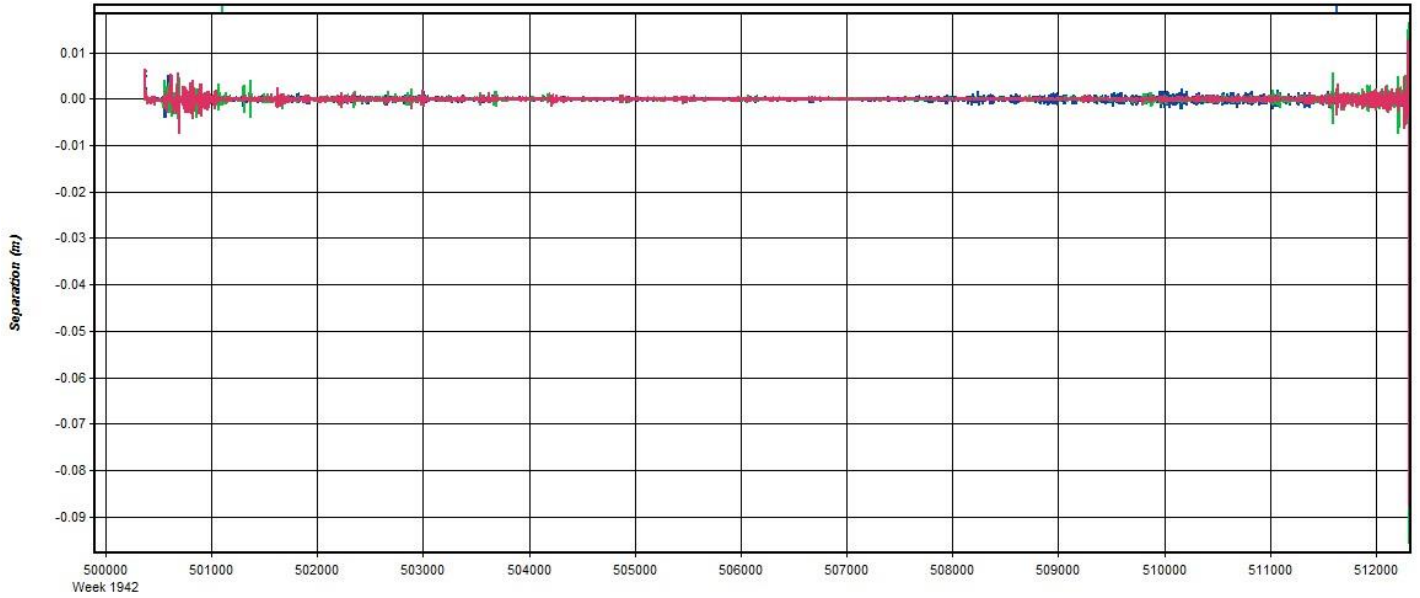
GPS Time (TOW, GMT zone)

RMS SD



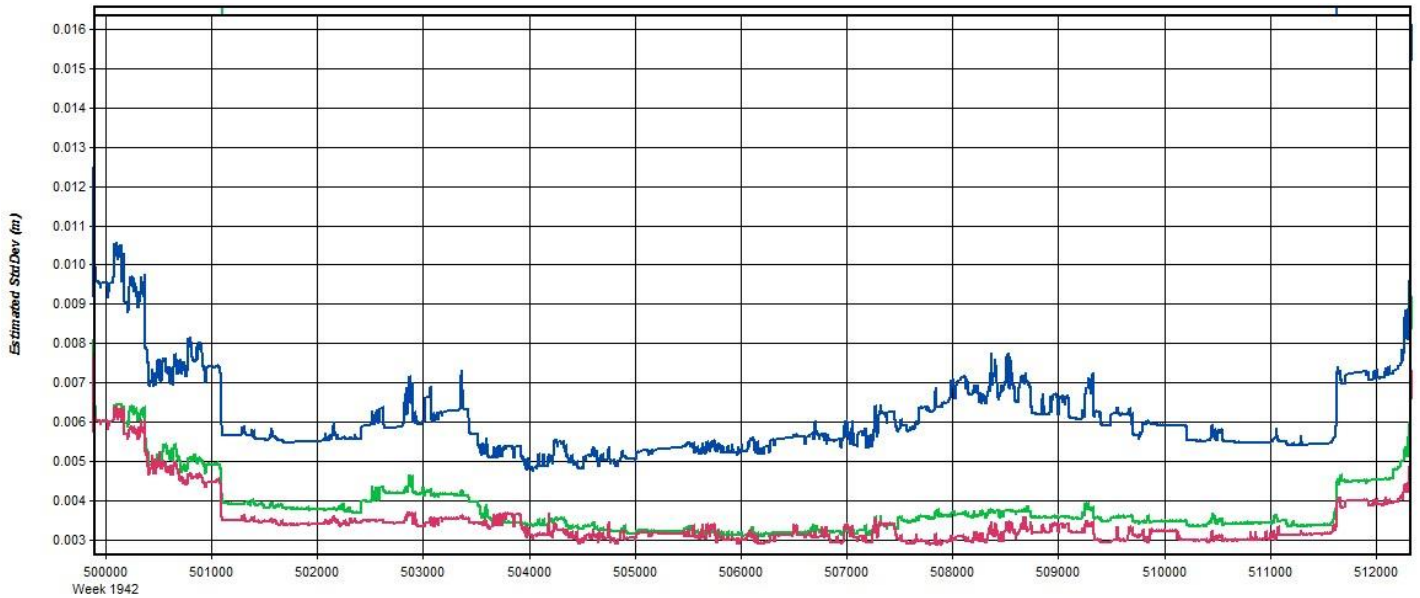
GPS Time (TOW, GMT zone)

— Num Sats — GPS — GLONASS — BeiDou — Galileo — QZSS



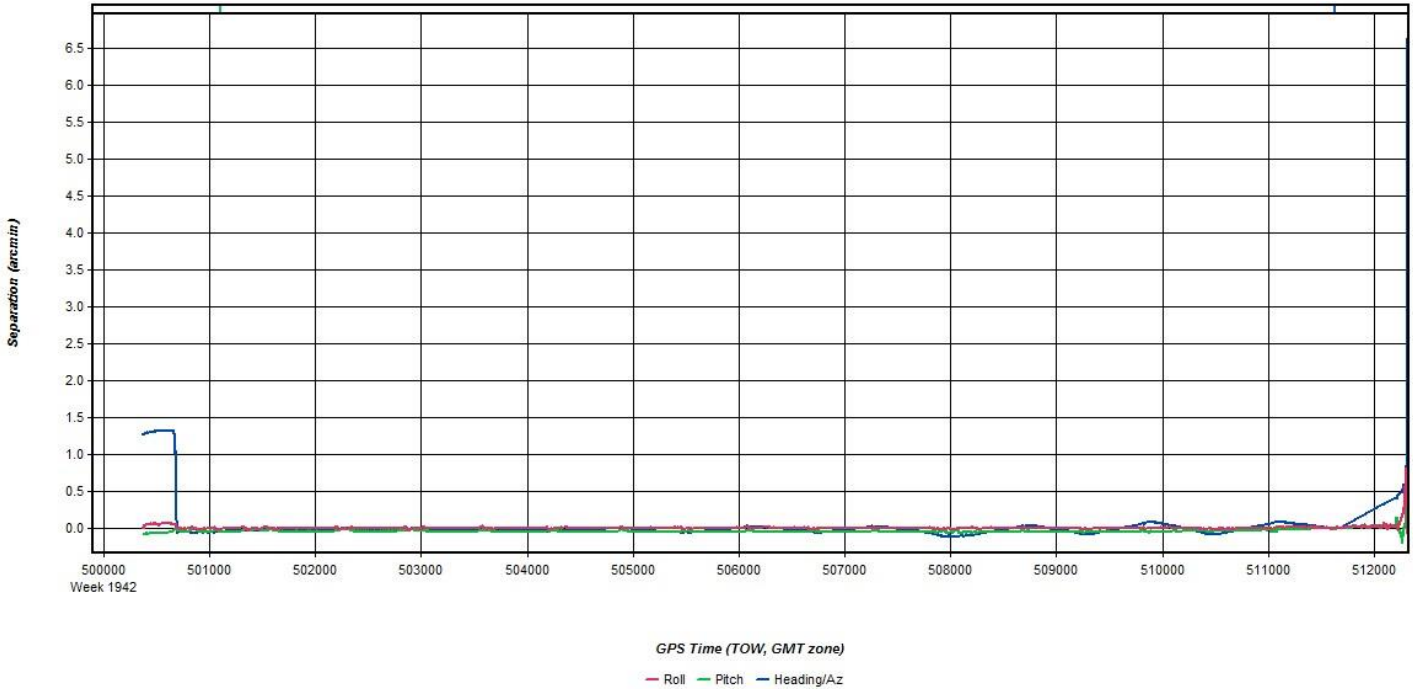
GPS Time (TOW, GMT zone)

— East — North — Up



GPS Time (TOW, GMT zone)

— East — North — Height



GPS Time (TOW, GMT zone)

— Roll — Pitch — Heading/Az

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: DH6305 Name: DH6305 Disabled
 File: E:\29724_Mendocino\29724_USGS_Mendocino\From_Andre_Samp

Coordinates
 Latitude: North 39 08 41.81015 Coord. options
 Longitude: West 123 32 32.45620 Save to Favorites
 Ellipsoidal height: 59.356 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 1.800 m
 ARP to L1 offset: 0.067 m
 Applied height: 1.867 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 3/31/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Brian Butler			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	12:04:00 PM				
Wheels Down	6:15:00 PM				
Begin Hobbs	11772.5				
End Hobbs	11778.6				
On-line Hobbs: 5. 6			Mob Hobbs: 0.5		

Notes

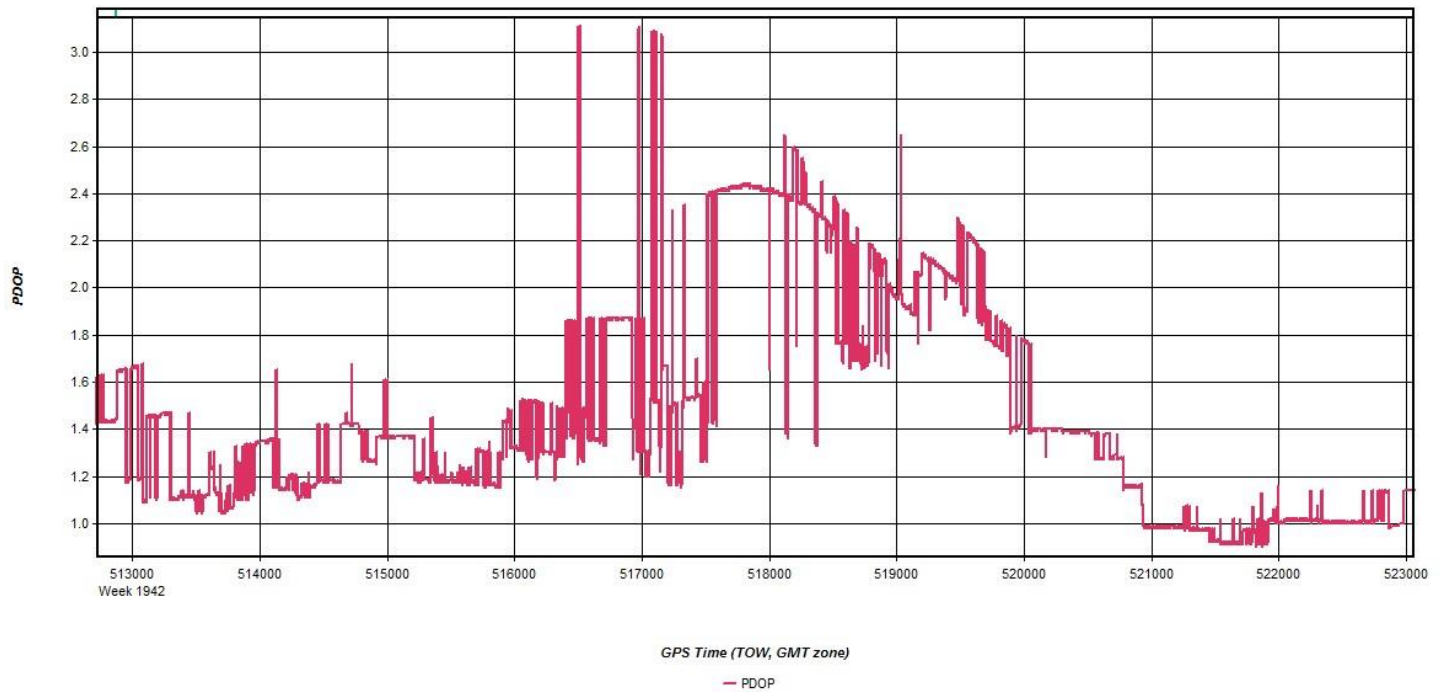
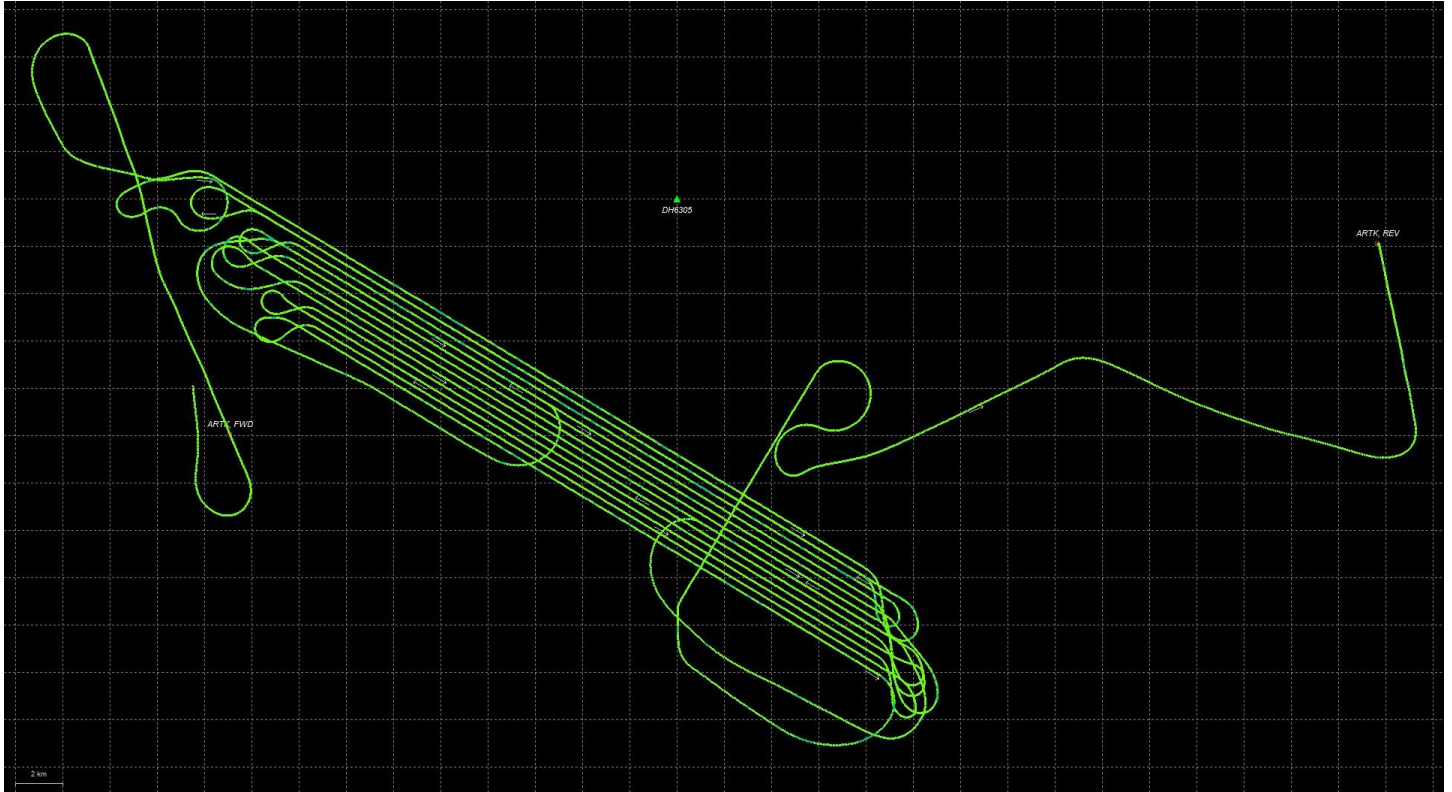
Received the new parts for 704 at 0900. Dropped them off with the mx. Pretty quick installation.
Wheels up at noon. We got about 3 hrs in before a system crash, did a restart and continued on. VERY HARD terrain for most of the flight which caused reflies. Wheels down just after 6.

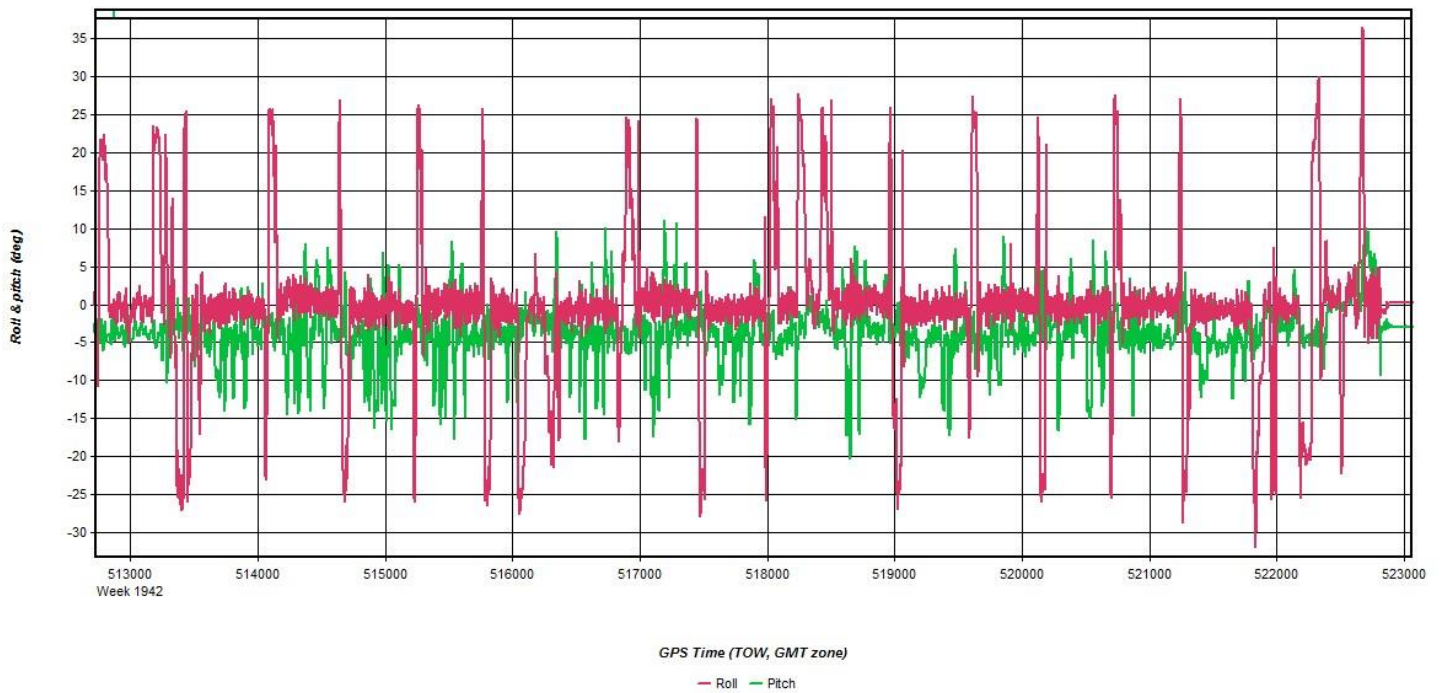
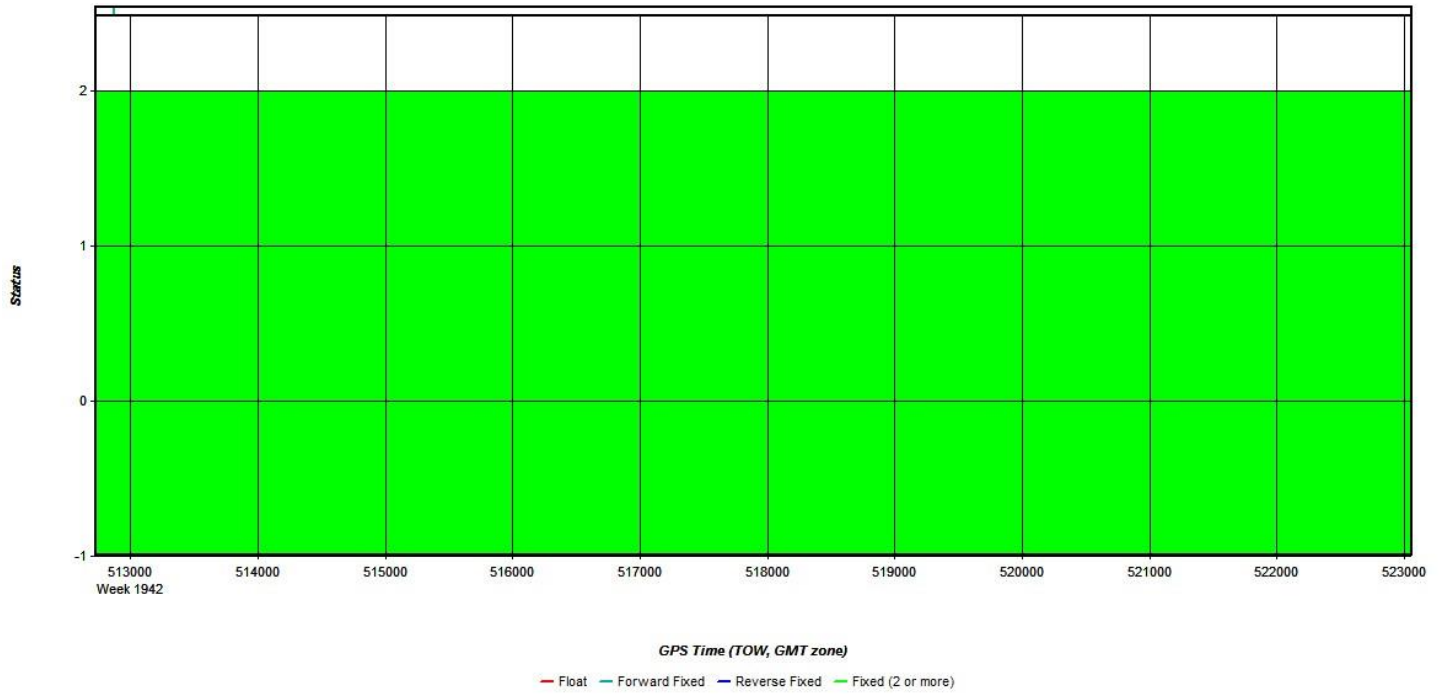
Flt Mgmt File: FAGL_Mendocino_SN8121

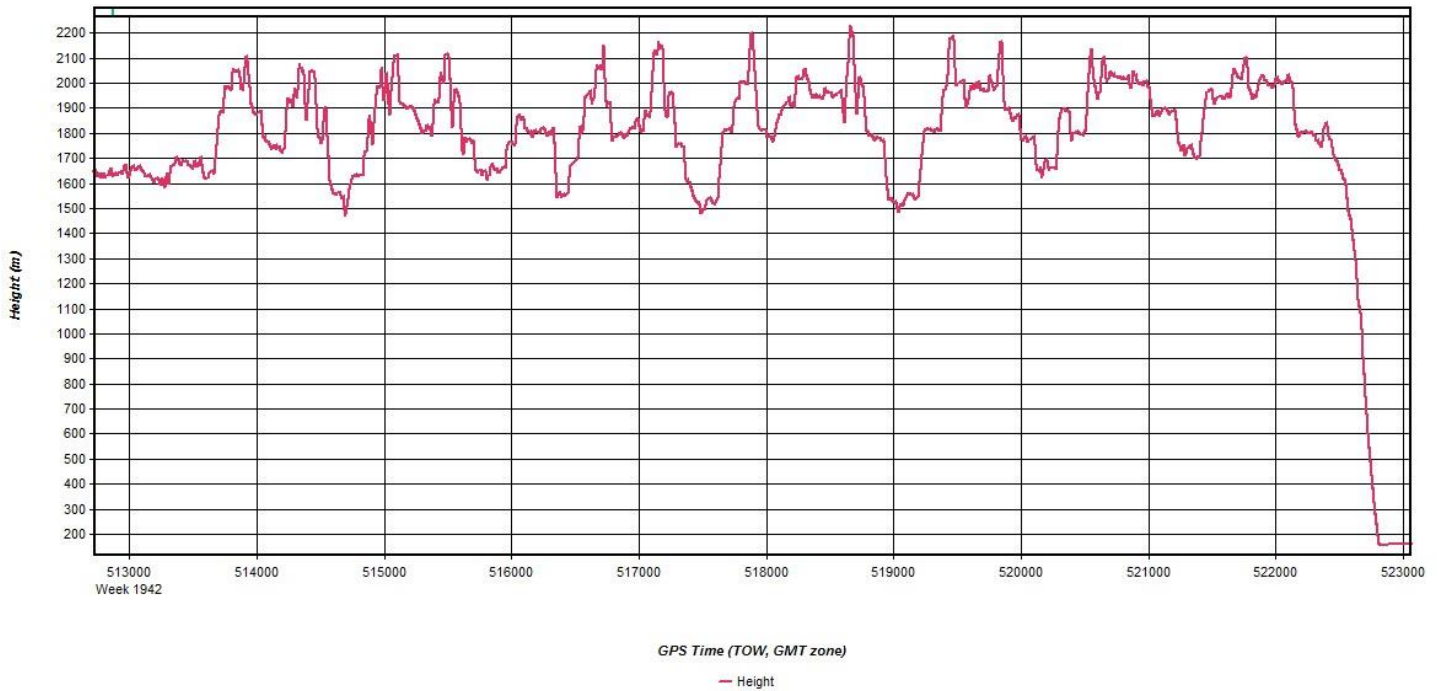
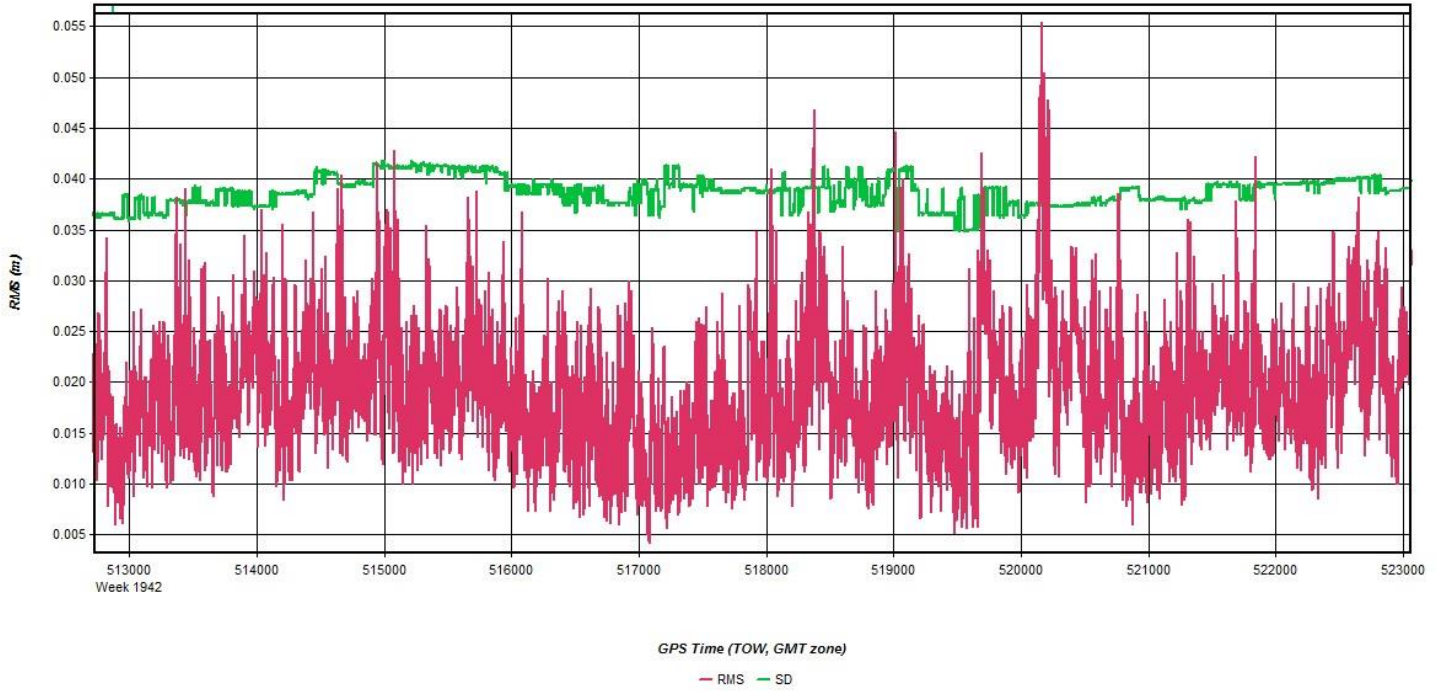
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
143	1791.790 m	19:21:28	53.12713162	1664.398 m	19:29:37	53.50413527
144	1680.108 m	19:32:18	53.69088914	1859.676 m	19:40:32	54.40374203
144	1841.472 m	19:43:46	54.57123621	1645.056 m	19:51:58	54.73861421
145	1627.938 m	19:54:58	54.86309917	1785.644 m	20:02:40	55.26313505
145	1821.963 m	20:05:46	55.32614922	1665.635 m	20:14:05	55.27639226
146	1658.797 m	20:15:46	55.29104087	1763.395 m	20:23:54	55.41605099
147	1792.243 m	20:26:00	55.39808855	1604.267 m	20:33:59	55.14327588
148	1609.501 m	20:35:59	55.10169122	1727.509 m	20:43:54	54.95339406

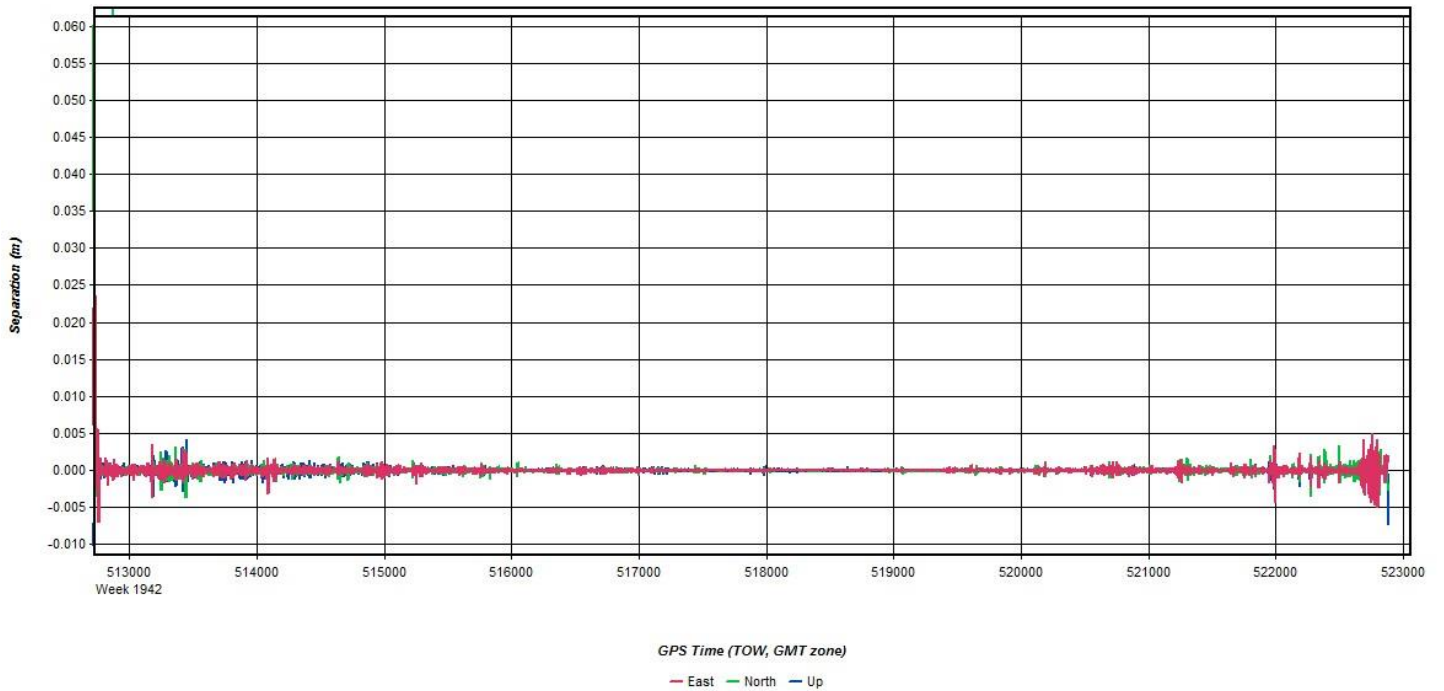
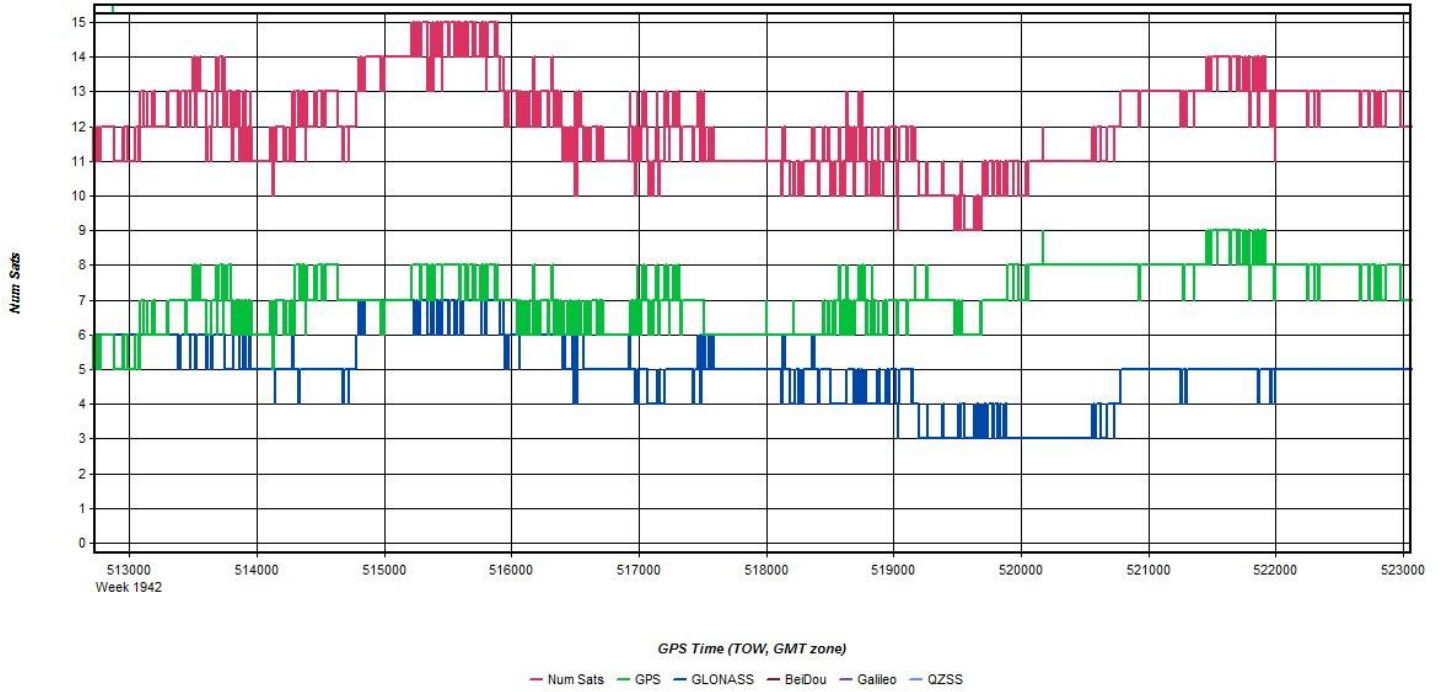
149	1817.381 m	20:45:44	54.88459768	1508.707 m	20:53:45	54.44105618
150	1515.706 m	20:55:44	54.34429433	1798.917 m	21:03:33	53.94450138
151	1806.534 m	21:05:13	53.83772028	1923.514 m	21:05:48	53.79467201
151	1927.289 m	21:09:18	53.55289394	1537.305 m	21:17:23	52.89963926
151	1582.001 m	21:19:05	52.76109130	1829.143 m	21:26:40	52.11310103
152	1890.914 m	21:28:29	51.94510483	1585.521 m	21:36:19	51.17204581
153	1612.654 m	21:38:13	50.97962988	1753.751 m	21:46:10	50.10176648
154	1825.238 m	21:48:26	49.84520402	1457.802 m	21:56:18	48.94612250
155	1477.585 m	21:58:10	48.72130739	1715.268 m	22:06:02	47.67905813
156	1746.611 m	22:08:34	47.34808039	1600.692 m	22:16:30	46.33833960

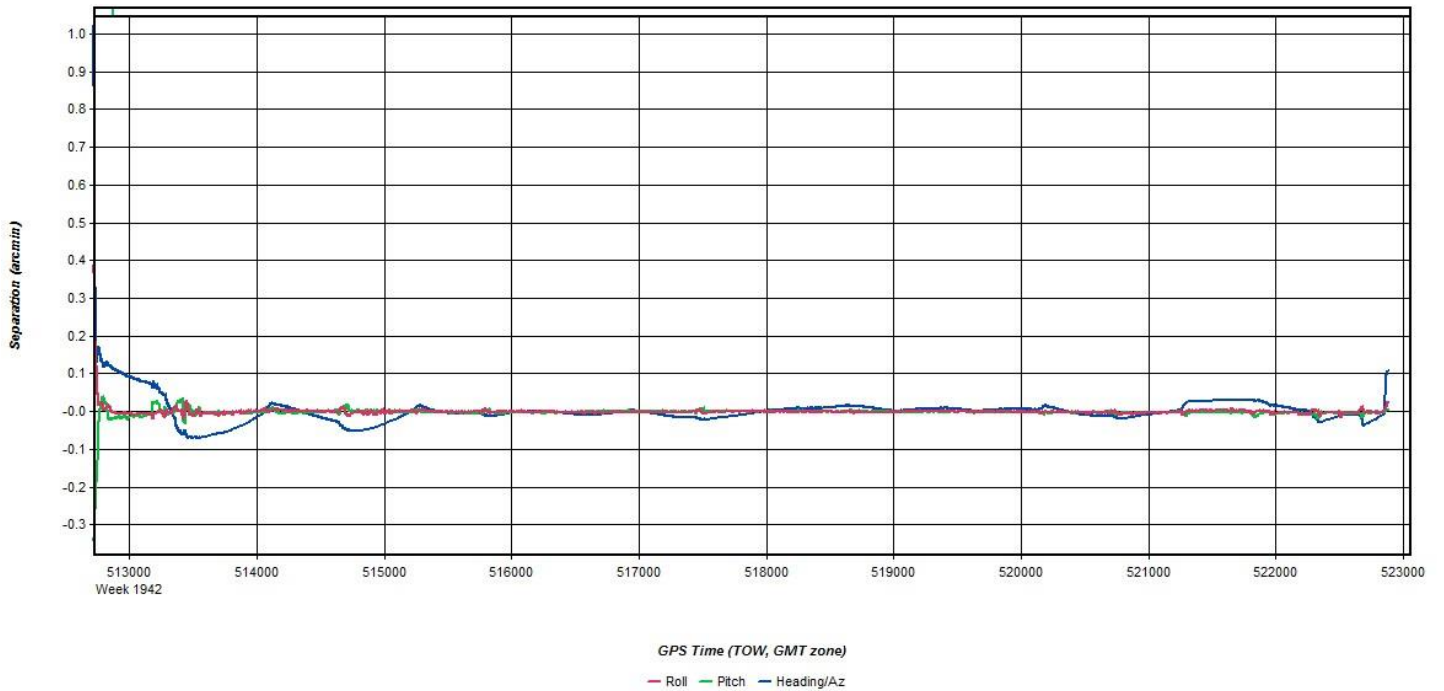
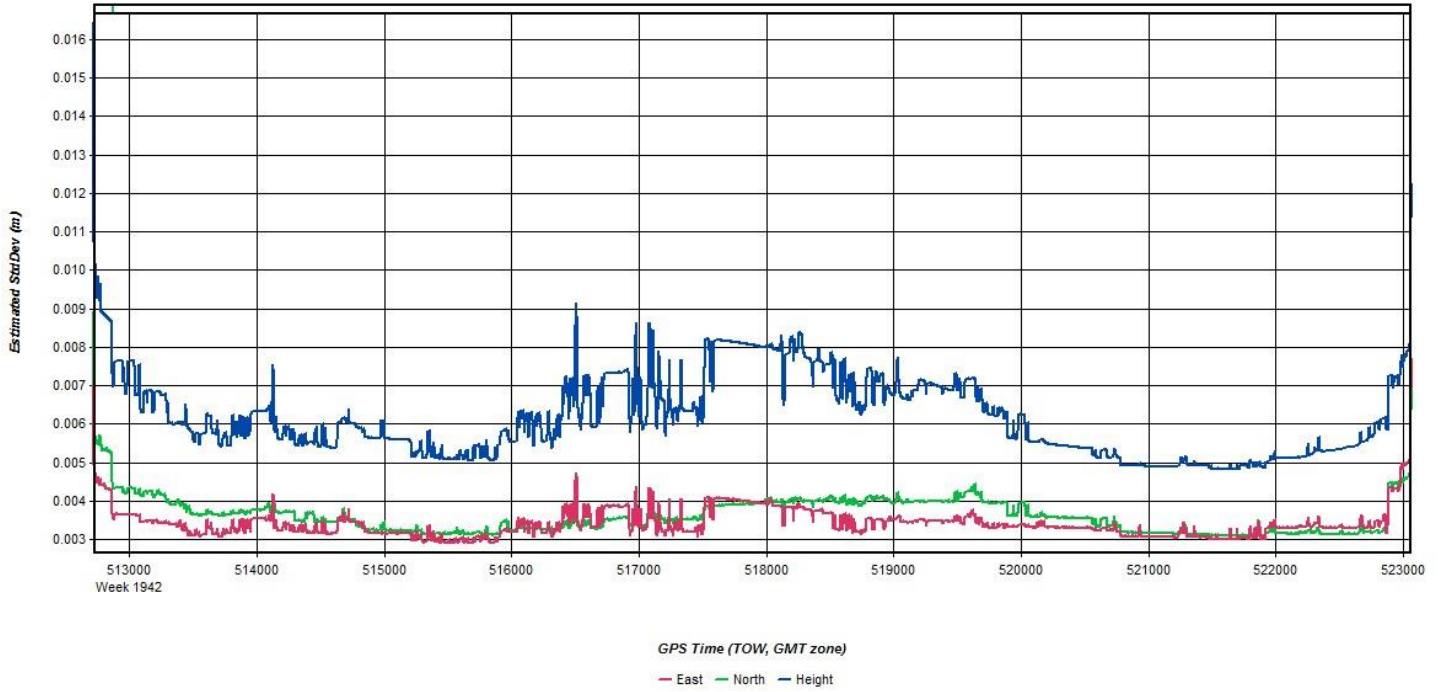
Mar 31, 2017-B (N704MD, SN8121)











Coordinate/Antenna Settings

Master Remote

Base Station
1: DH6305 Name: DH6305 Disabled
File: E:\29724_Mendocino\29724_USGS_Mendocino\From_Andre_Samp

Coordinates
Latitude: North 39 08 41.81015 Coord. options
Longitude: West 123 32 32.45620 Save to Favorites
Ellipsoidal height: 59.356 m
Datum: WGS84 Proc Datum: WGS84
Epoch: year

Antenna Height
From station file: TRM55971.00, NONE View STA File
Antenna profile: TRM55971.00 Info
Measured height: 1.800 m
ARP to L1 offset: 0.067 m
Applied height: 1.867 m
Measured to
 ARP
 L1 Phase Centre
Compute From Slant

OK Cancel

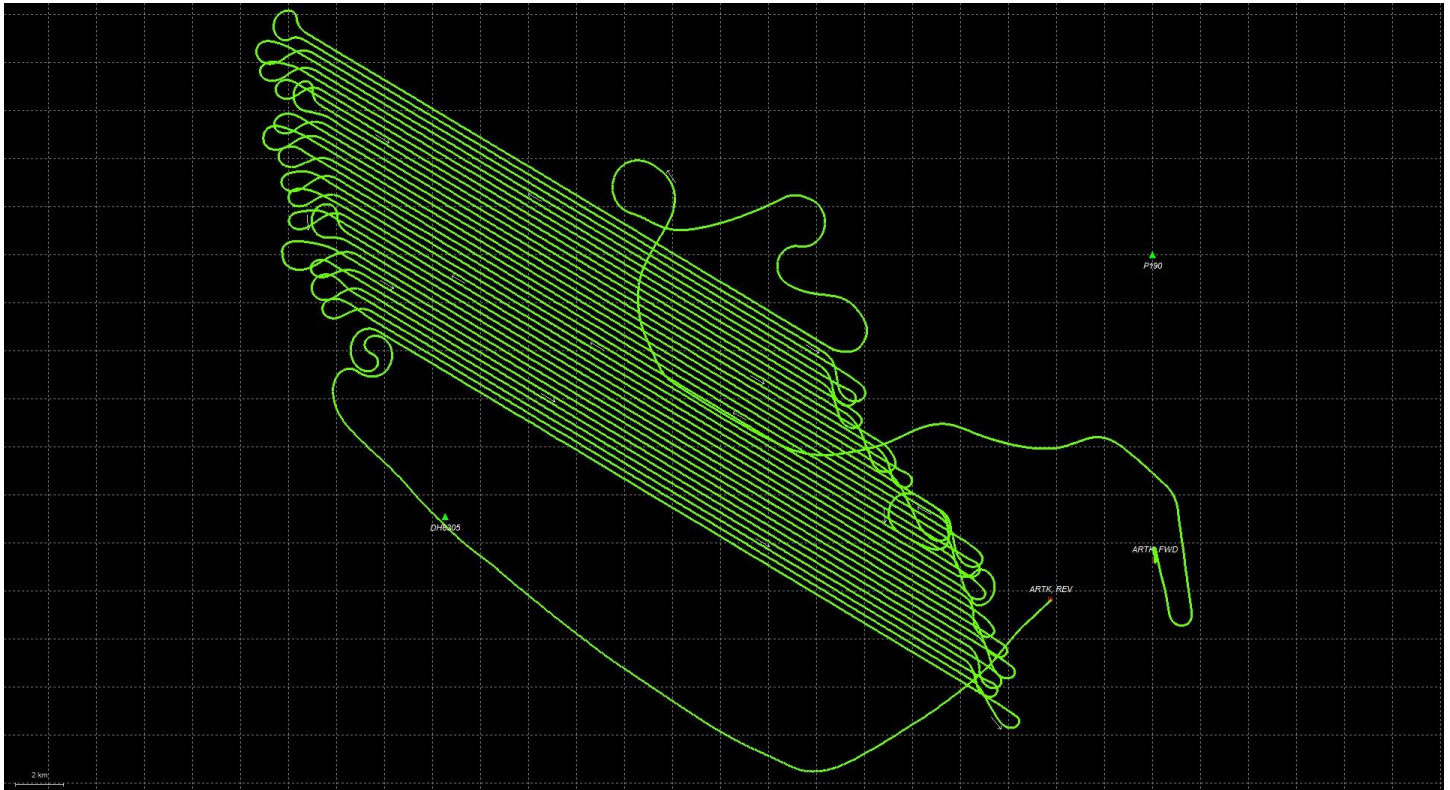
Flight Log

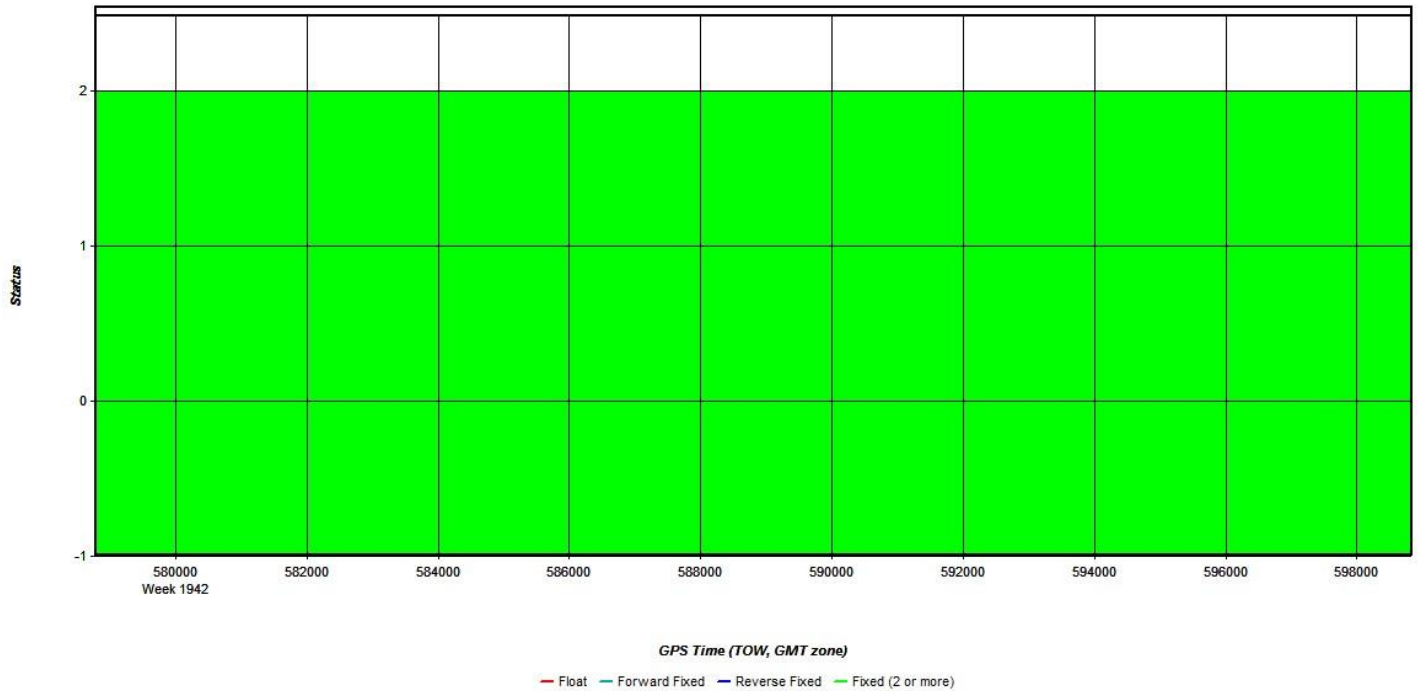
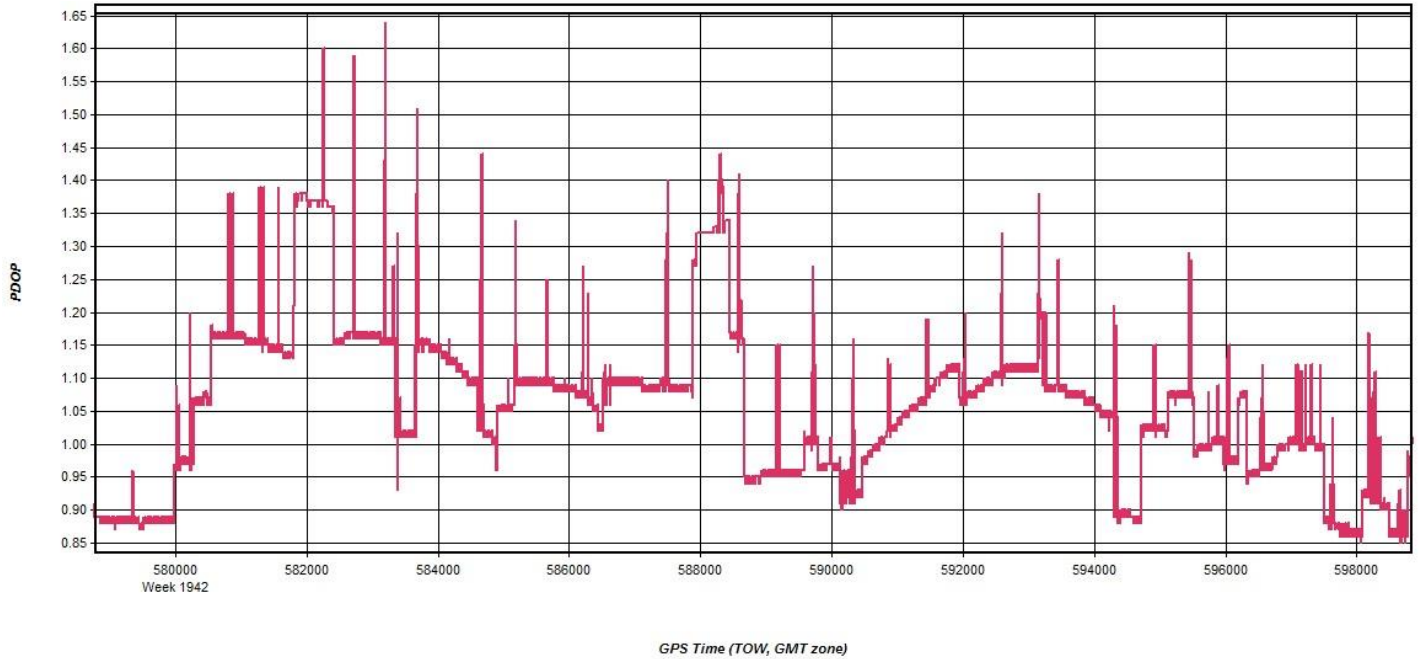
Date: 3/31/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Brian Butler			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

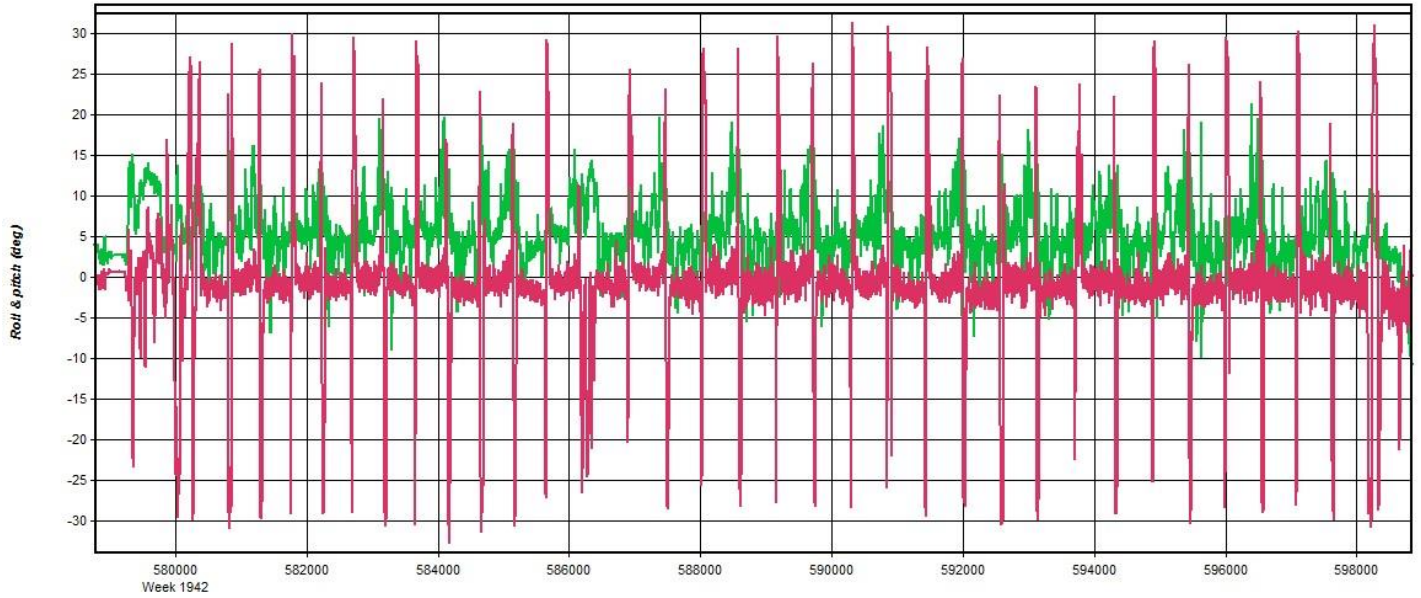
Flt Mgmt File: FAGL_Mendocino_SN8121

Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
155	1623.184 m	22:39:31	43.00493793	1779.646 m	22:47:18	41.70214618
156	1747.067 m	22:49:17	41.39120729	1564.366 m	22:57:02	40.26502807
156	1615.444 m	22:58:47	39.98258370	1895.185 m	23:06:51	38.53920513
157	1812.821 m	23:08:15	38.30755112	1651.326 m	23:15:42	37.17844779
158	1675.073 m	23:17:16	36.91560579	1868.655 m	23:20:31	36.30539195
158	1567.102 m	23:26:03	35.41329422	1782.342 m	23:33:29	33.98077434
159	1830.647 m	23:36:25	33.46493838	1534.500 m	23:43:42	32.32028161
160	1543.552 m	23:45:38	31.97347849	1813.004 m	23:52:45	30.54378214
161	1869.163 m	23:54:52	30.16100949	2023.992 m	23:57:00	29.82052076
161	1941.011 m	00:01:45	28.90615347	1530.642 m	00:09:04	27.72562694
162	1548.092 m	00:11:23	27.29943055	1914.453 m	00:19:21	25.65382533
163	1993.380 m	00:20:57	25.35610397	1668.213 m	00:28:22	24.13976859
164	1663.102 m	00:29:57	23.84357169	2036.953 m	00:37:57	22.16076645
165	2025.090 m	00:39:36	21.84886477	1758.236 m	00:47:00	20.62812520
166	1741.635 m	00:48:45	20.29483334	1949.317 m	00:56:32	18.62696890
UL001	2020.249 m	00:59:41	18.09306565	1783.043 m	01:02:39	17.46503860

Apr 1, 2017-A (N208NR, SN8239)

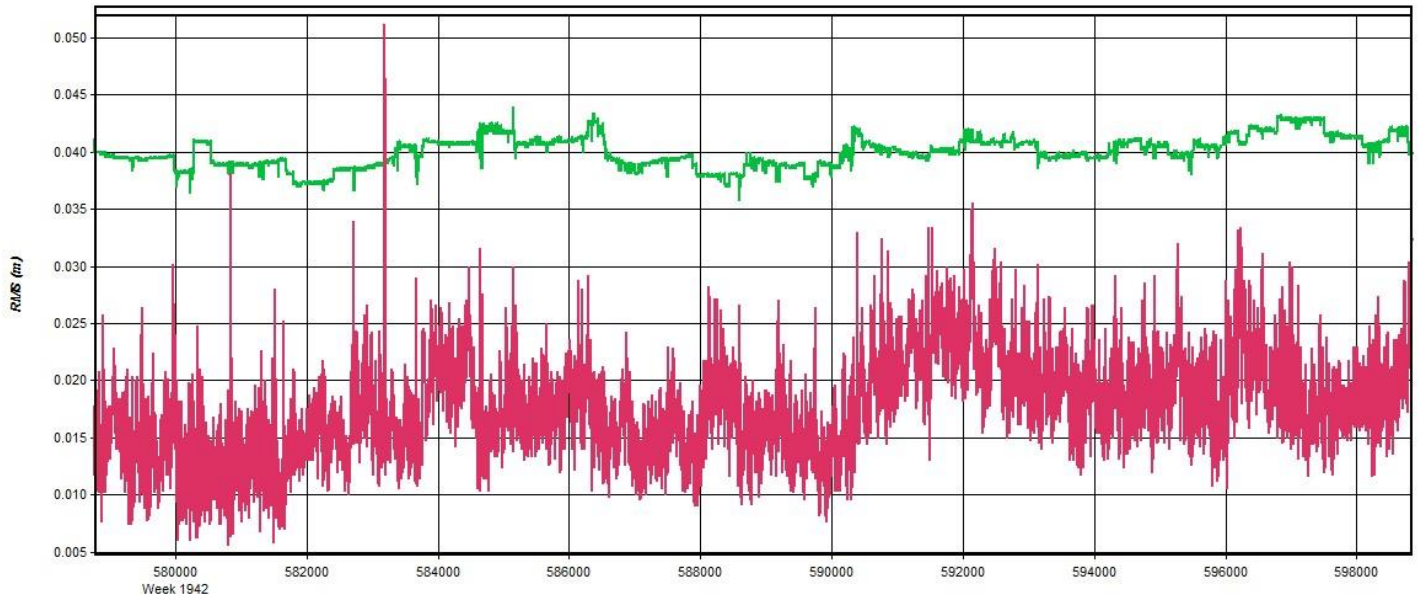






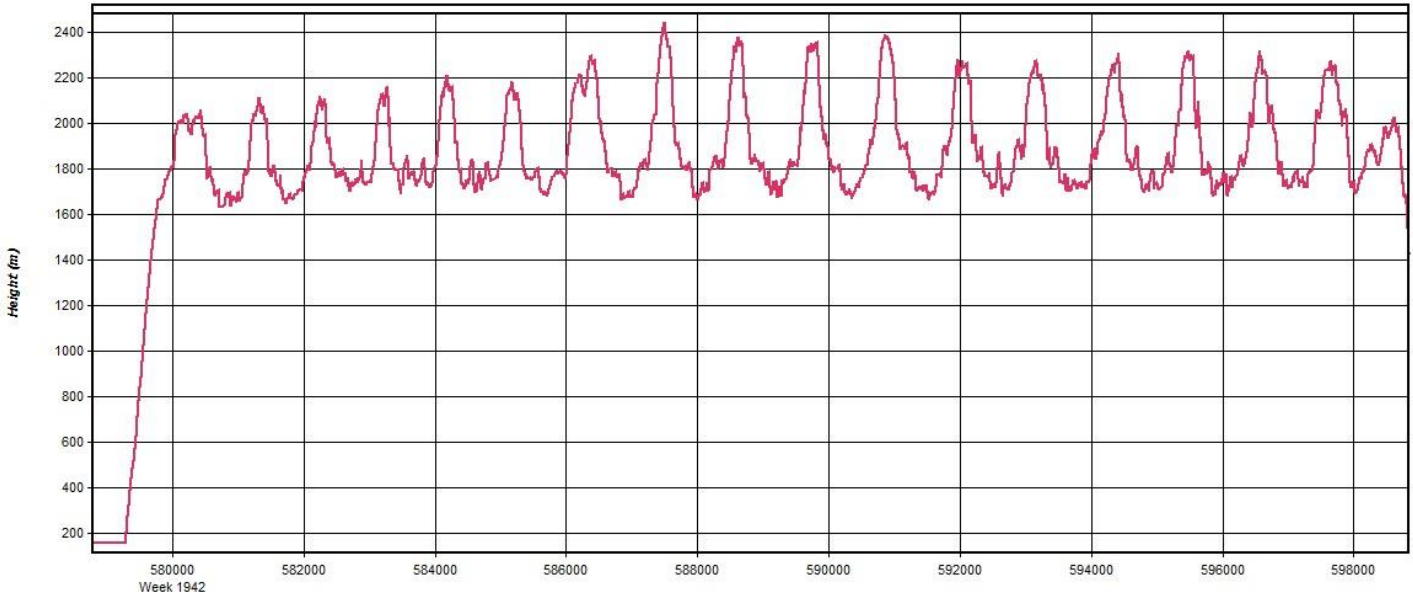
GPS Time (TOW, GMT zone)

— Roll — Pitch

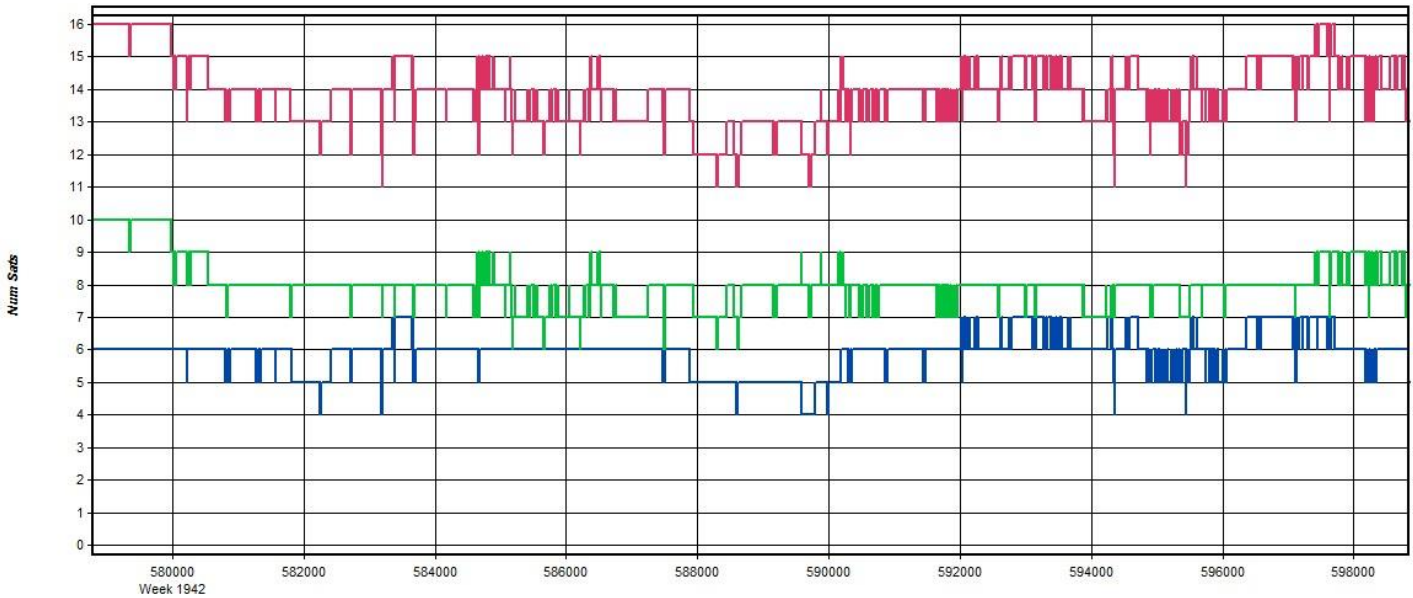


GPS Time (TOW, GMT zone)

— RMS — SD

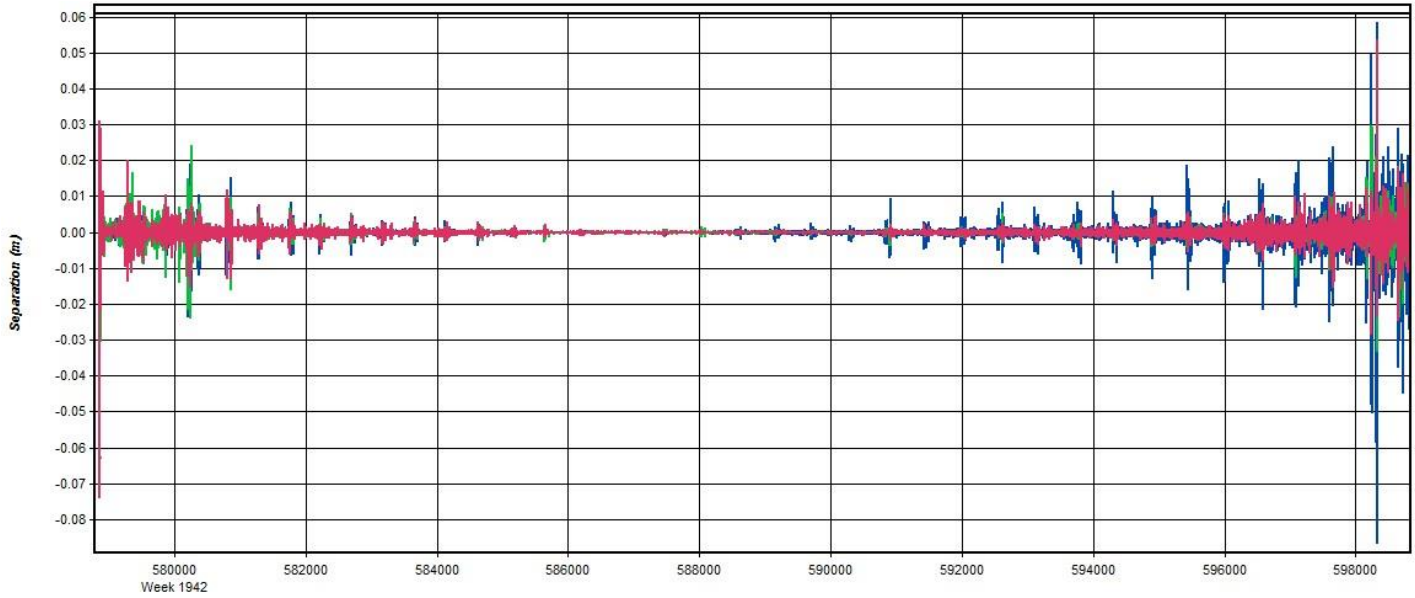


GPS Time (TOW, GMT zone)



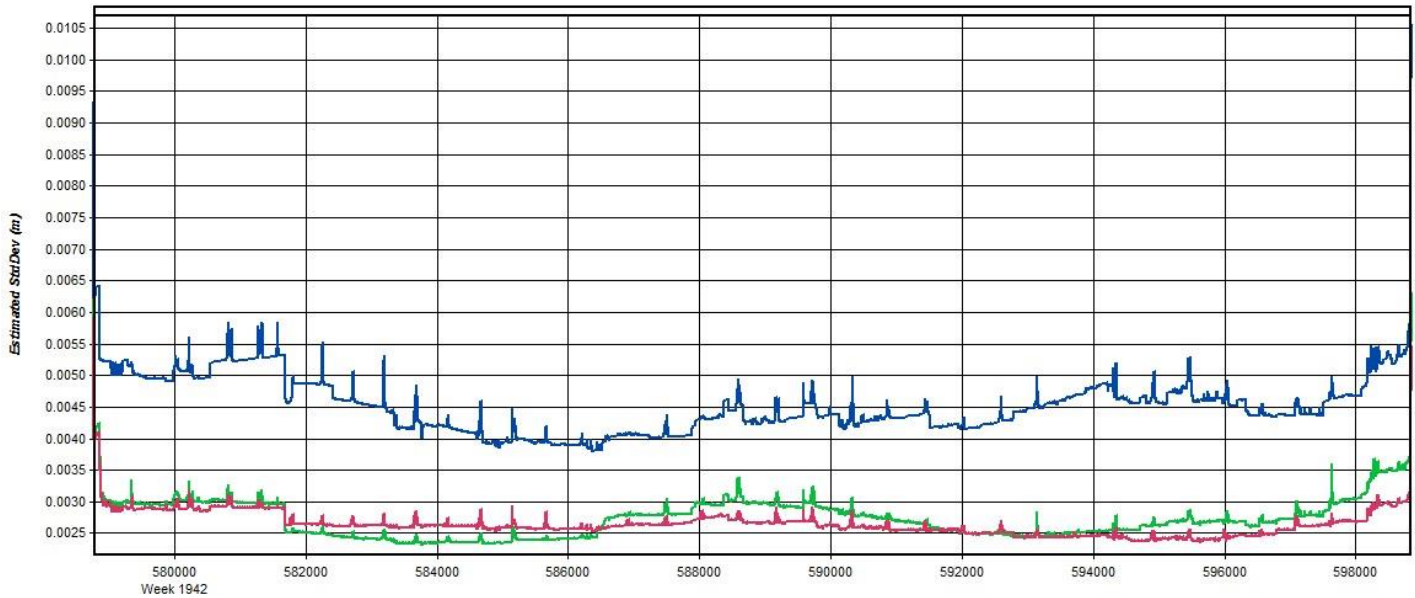
GPS Time (TOW, GMT zone)

— Num Sats — GPS — GLONASS — BeiDou — Galileo — QZSS



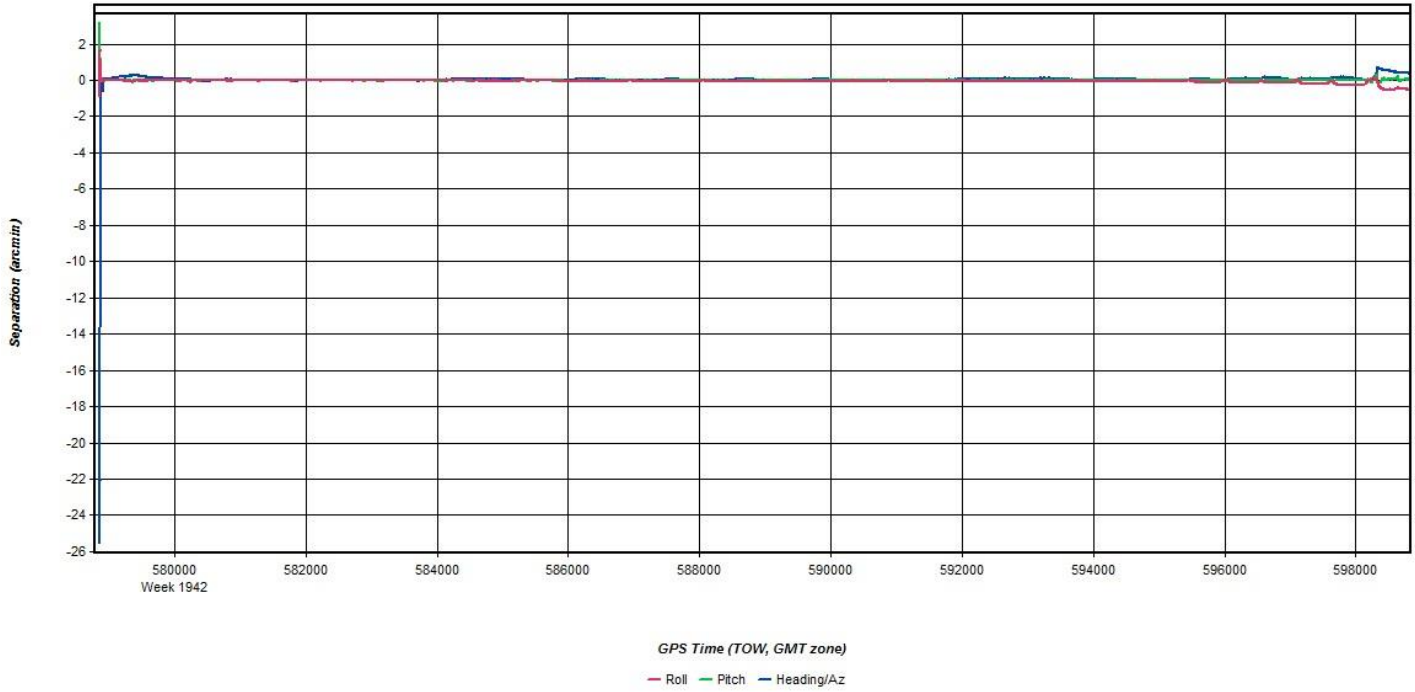
GPS Time (TOW, GMT zone)

— East — North — Up



GPS Time (TOW, GMT zone)

— East — North — Height



Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: DH6305 Name: DH6305 Disabled
 File: E:\Proc\29724_Mendocino\29724_USGS_Mendocino\From_Andre_

Coordinates
 Latitude: North 39 08 41.81015 Coord. options
 Longitude: West 123 32 32.45620 Save to Favorites
 Ellipsoidal height: 59.356 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 1.800 m
 ARP to L1 offset: 0.067 m
 Applied height: 1.867 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P190 Name: P190 Disabled
 File: E:\Proc\29724_Mendocino\Drew_Johnston_4-14-17\20170401_16

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

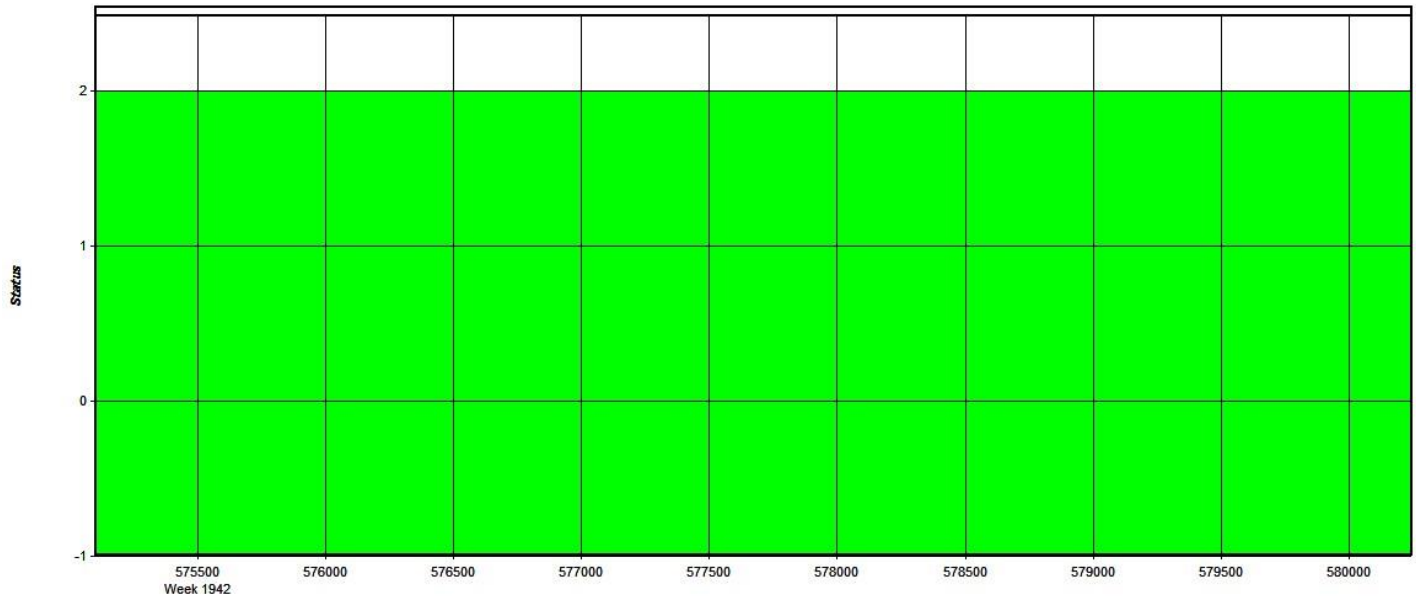
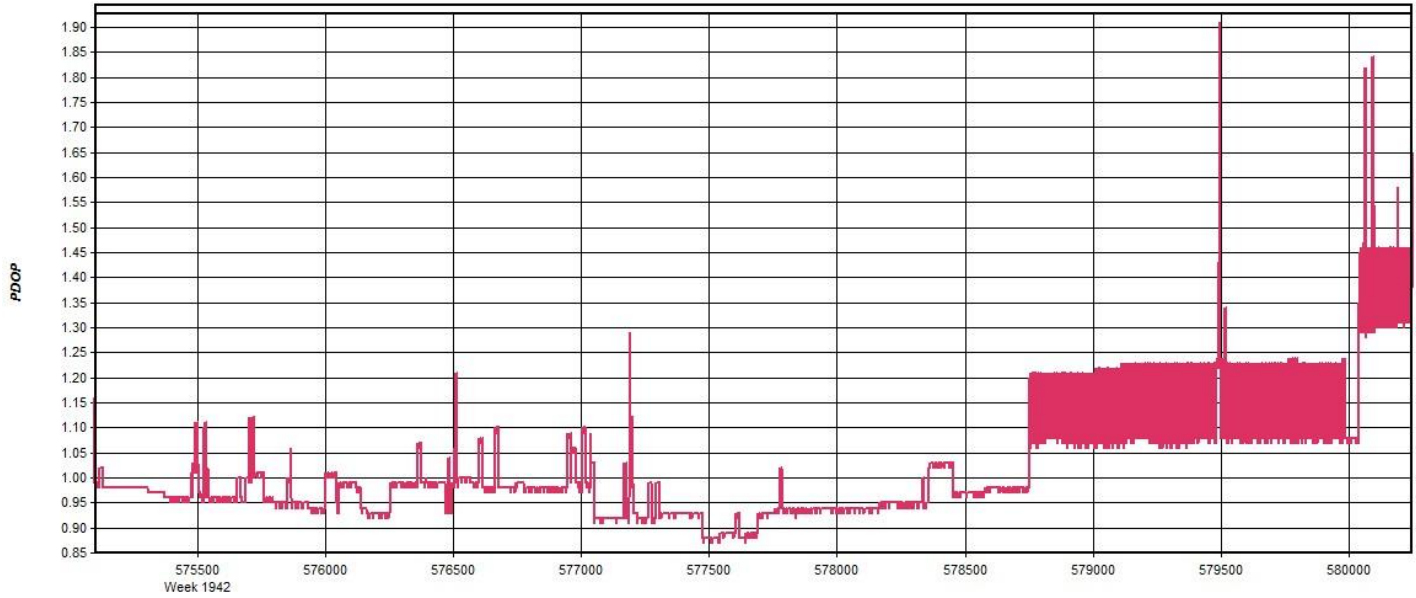
Date: 4/1/2017		Aircraft: 208NR		Sensor: 8239	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8239					
Pilot: Spencer Napor			Sensor Operator: Drew Johnston		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	9:53:00 AM	5:22:00 PM			
Wheels Down	3:23:00 PM	7:45:00 PM			
Begin Hobbs	4670	4675.5			
End Hobbs	4675.5	4677.9			
On-line Hobbs: 7			Mob Hobbs: 0.9		
Notes					
We did 2 flights as weather looked poor for a MOB to W WA.					

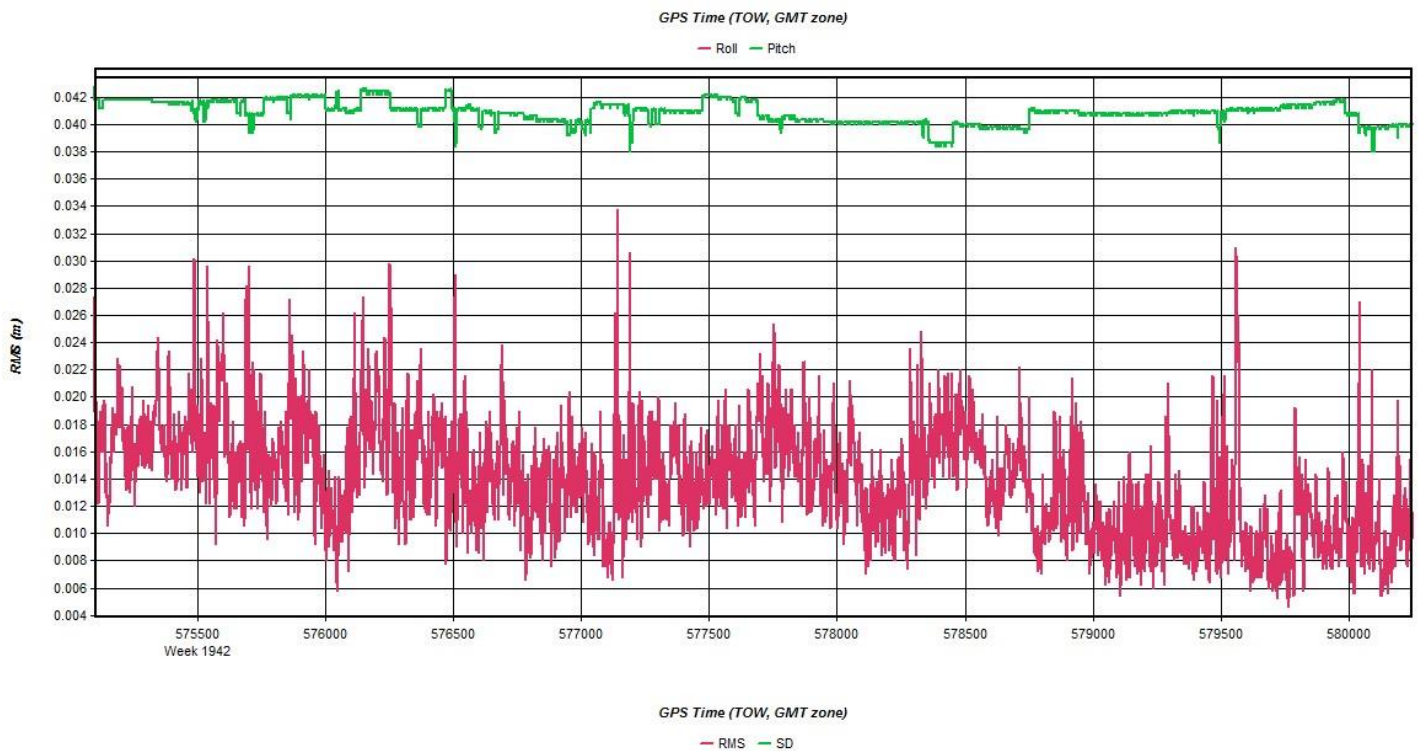
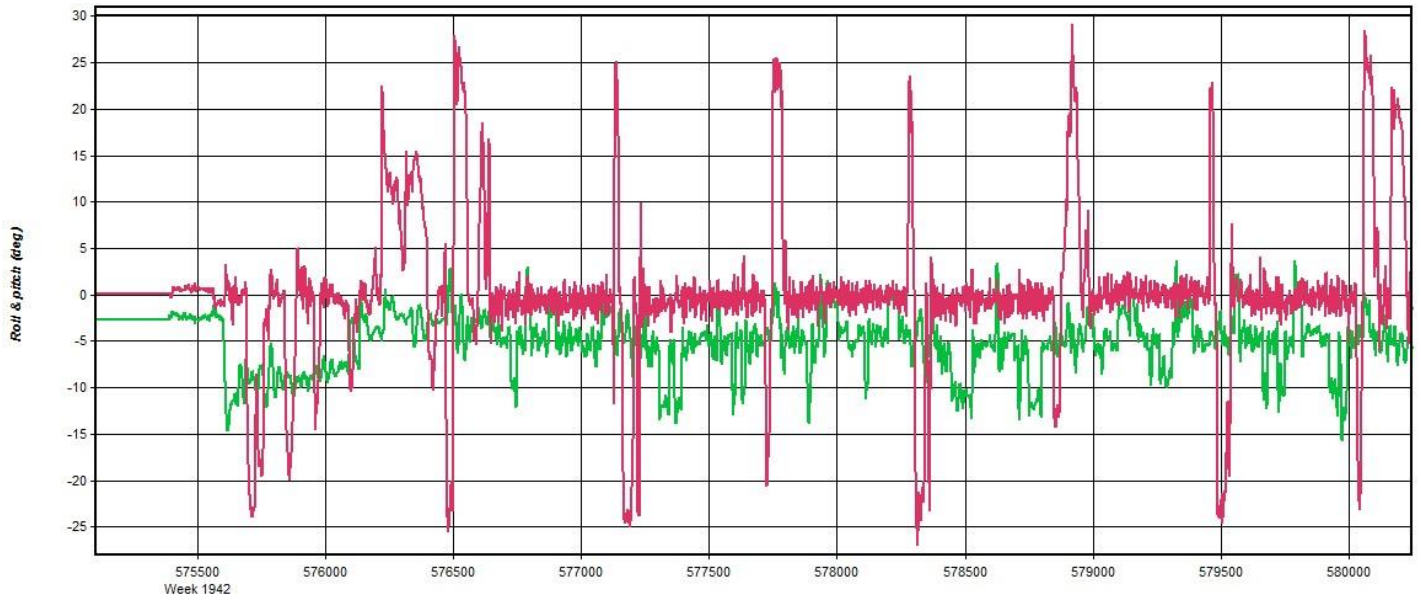
Flt Mgmt File: FAGL_Mendocino_SN8239

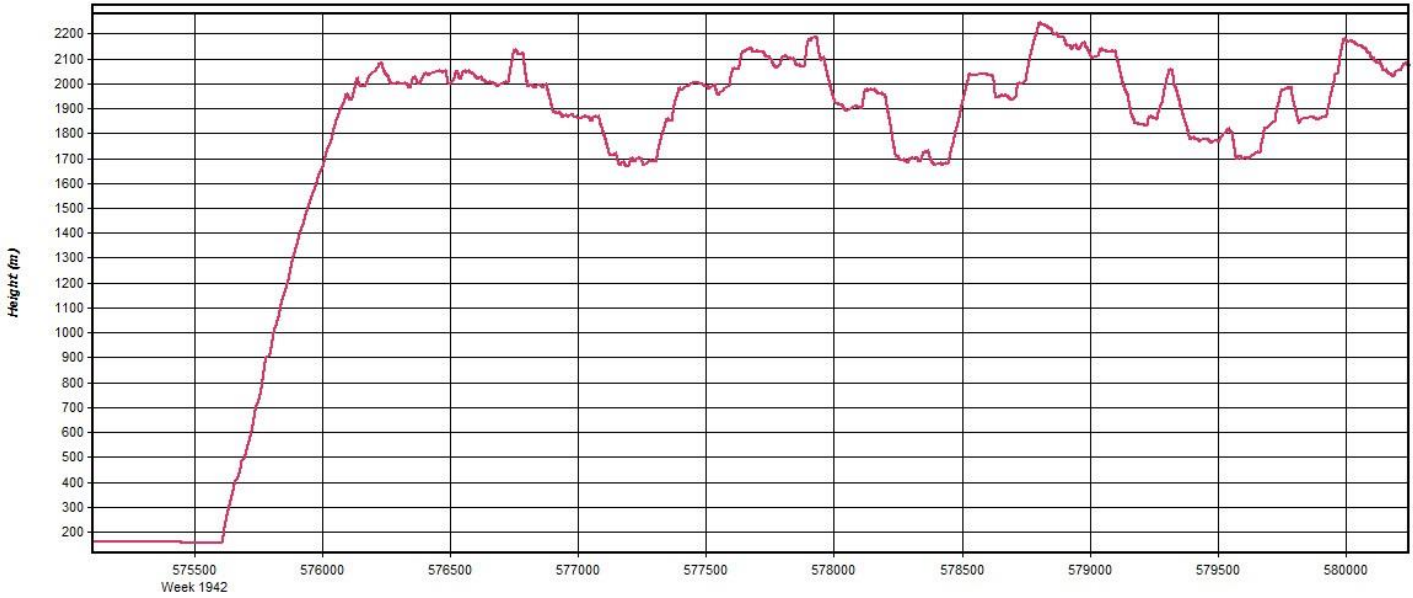
Name	AltStart	TimeStart	TimeEnd
344	1612.151367	1:05	1:13
345	1548.544678	1:14	1:21
346	1483.401245	1:23	1:30
347	1525.531372	1:31	1:38
348	1564.687622	1:40	1:47
349	1475.244263	1:48	1:54
350	1576.925049	1:56	2:02
UL001	1438.373291	2:04	2:05

Apr 1, 2017-A (N704MD, SN8121)

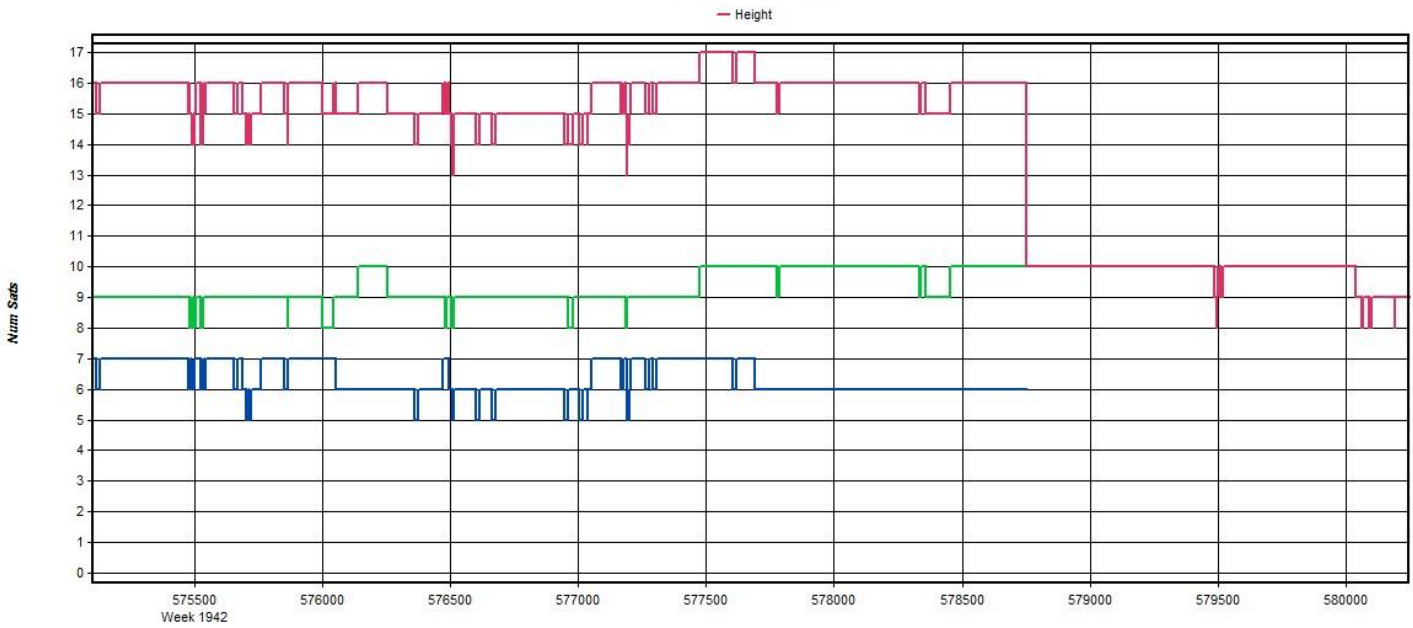






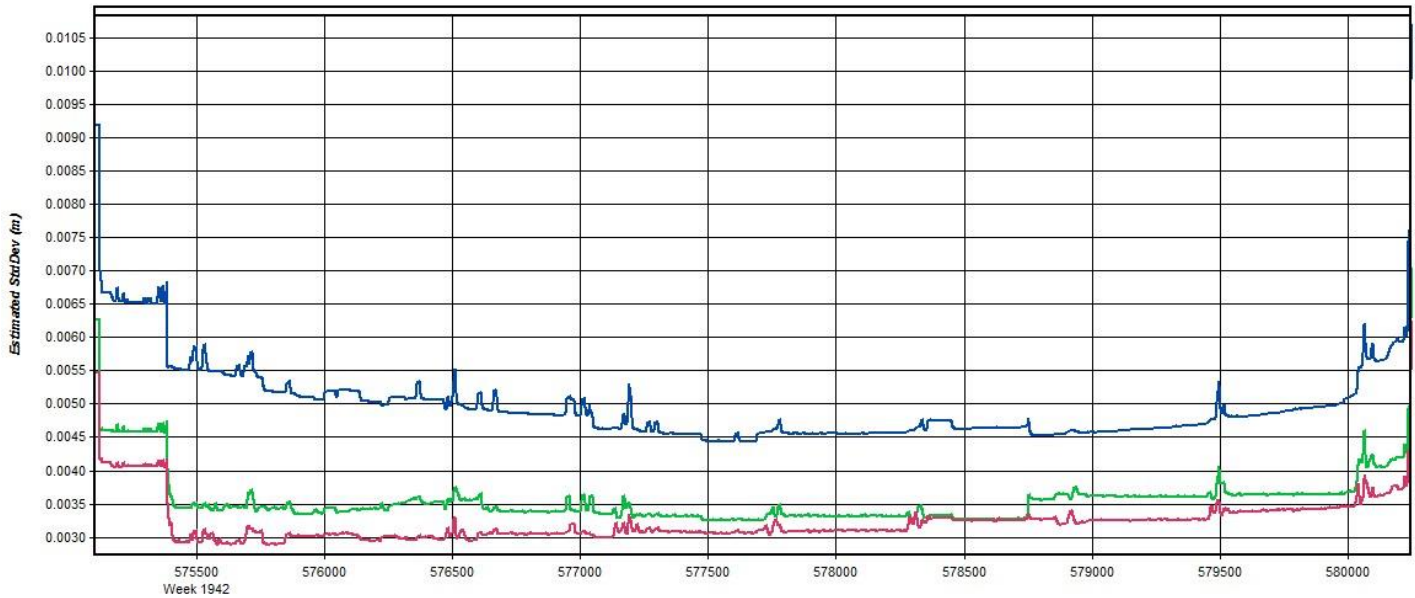
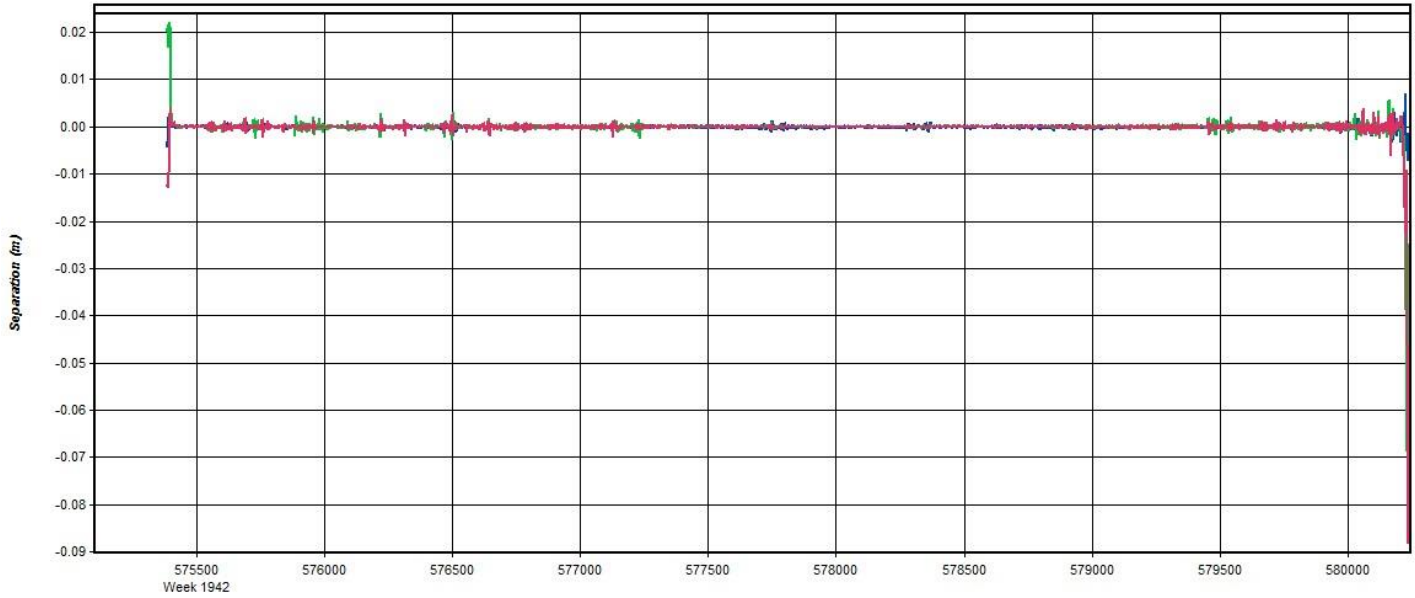


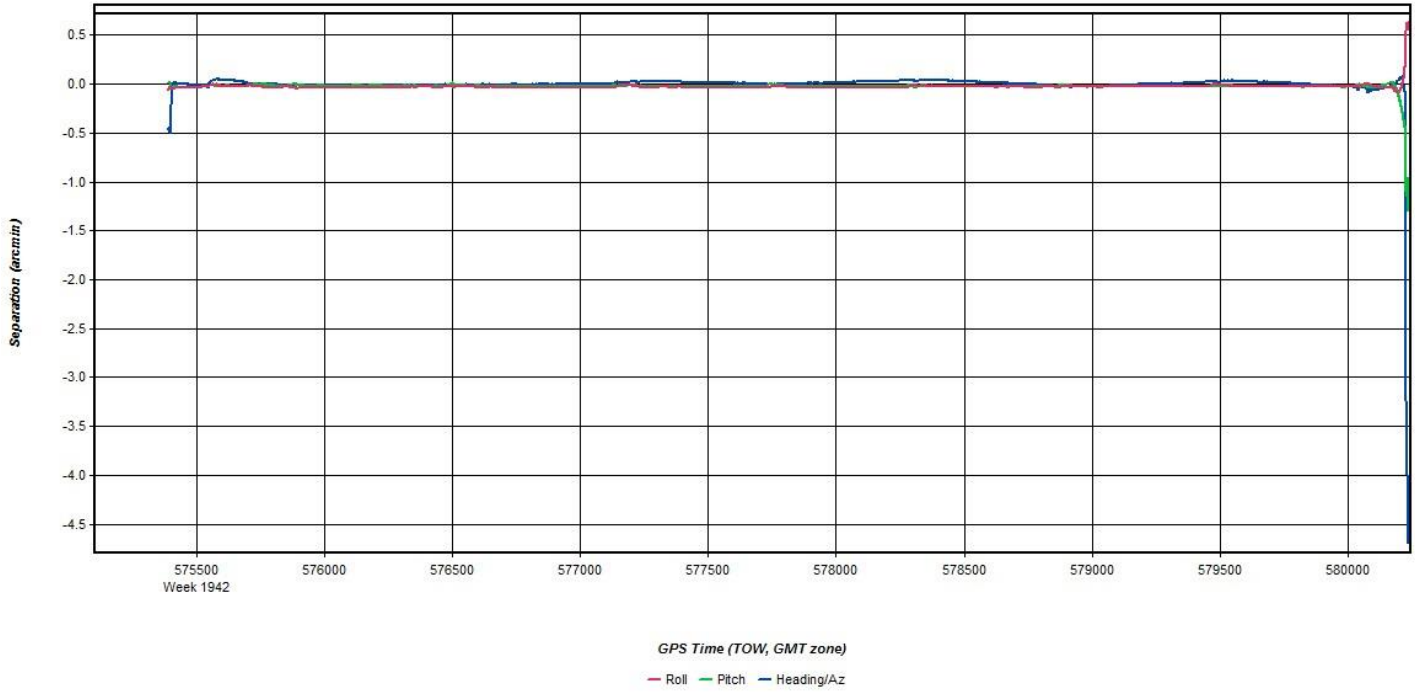
GPS Time (TOW, GMT zone)



GPS Time (TOW, GMT zone)

— Num Sats — GPS — GLONASS — BeiDou — Galileo — QZSS





Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: P059 Name: P059 Disabled
 File: E:\29724_Mendocino\Justin_Maxey_4-4-17\20170401_SN8121_Me

Coordinates
 Latitude: North 38 55 42.03419 Coord. options
 Longitude: West 123 43 34.25639 Save to Favorites
 Ellipsoidal height: -10.822 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, SCIT View STA File
 Antenna profile: TRM59800.80, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.085 m
 Applied height: 0.093 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P190 Name: P190 Disabled
 File: E:\29724_Mendocino\Justin_Maxey_4-4-17\20170401_SN8121_Me

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 4/1/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Brian Butler			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	8:55:00 AM	3:30:00 PM			
Wheels Down	2:00:00 PM	6:10:00 PM			
Begin Hobbs	11778.6	11783.7			
End Hobbs	11783.7	11786.4			
On-line Hobbs: 6. 8			Mob Hobbs: 1		

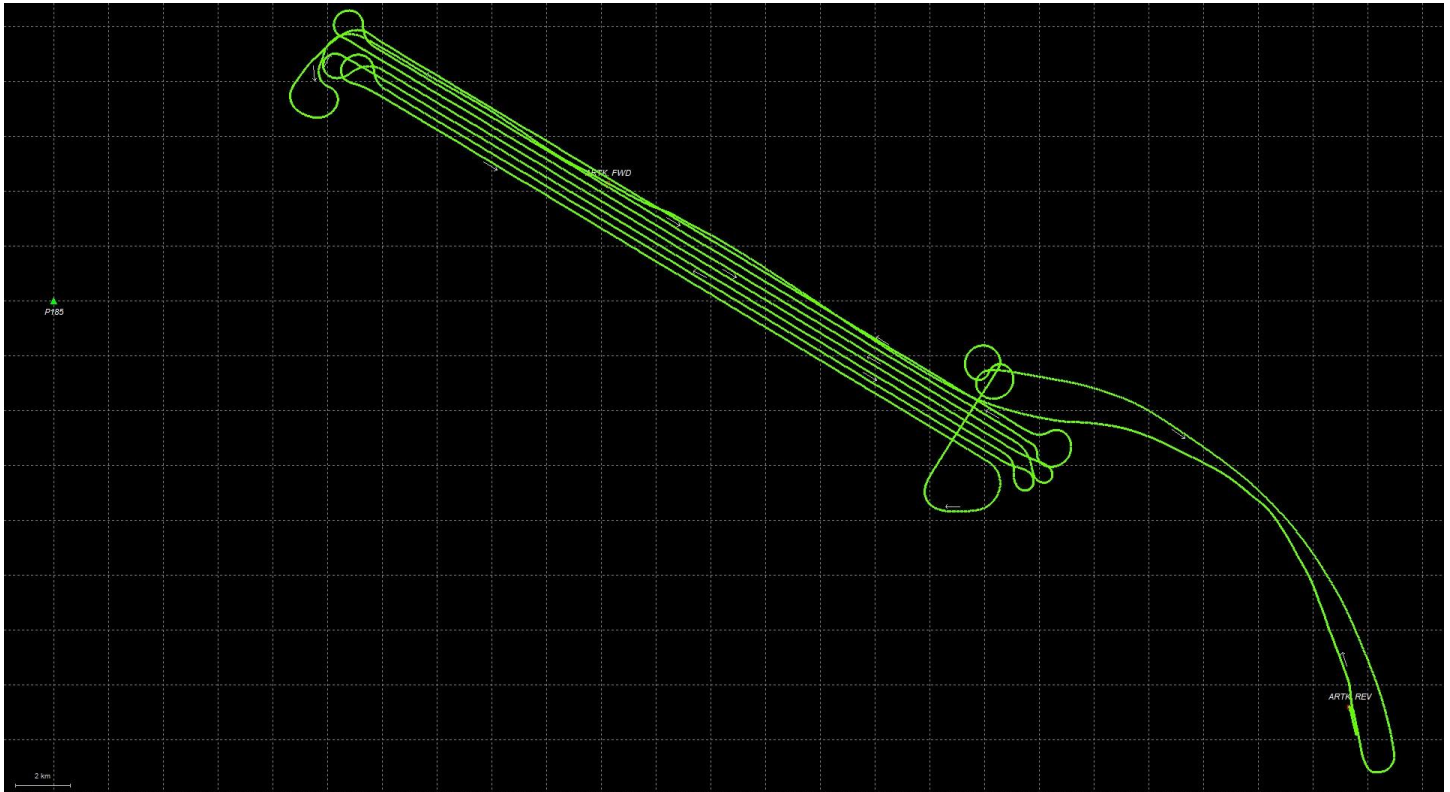
Notes

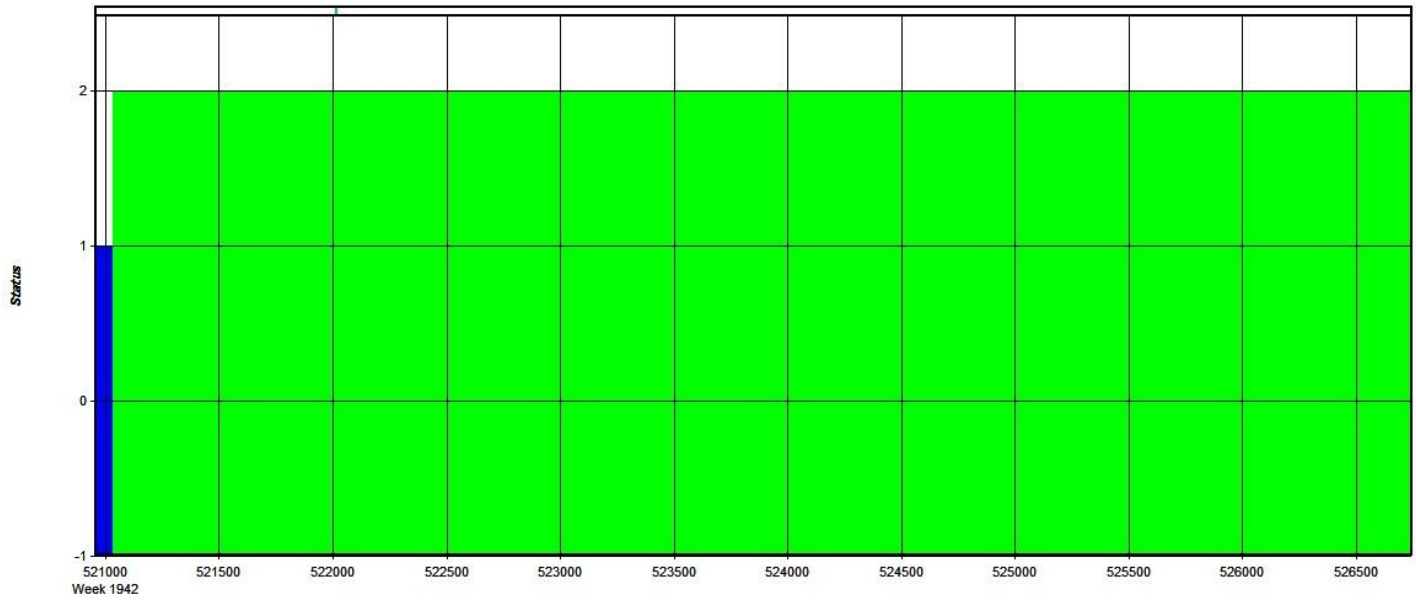
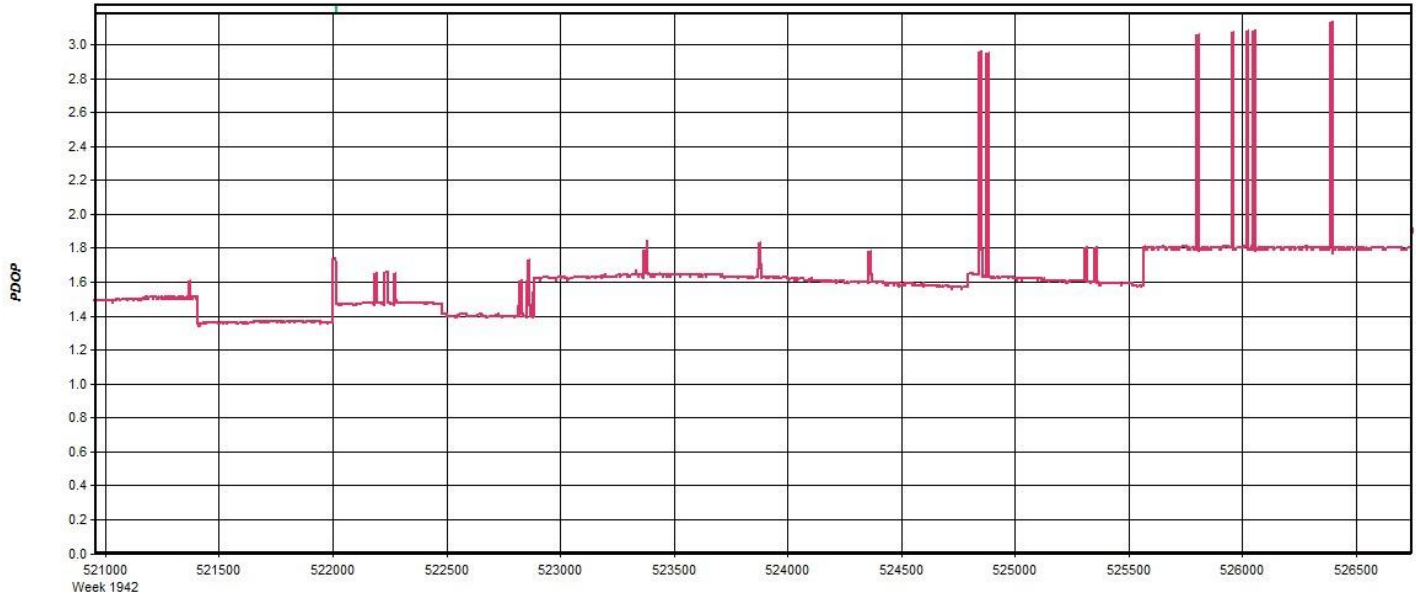
Wheels up at 0855. We got just over an hour in before a system crash. Restarted and fle for another 3 hrs before the system crashed again. Not enough fuel to restart and continue so we returned for fuel. Wheels down at 1400. Wheels back up at 1530 we got another 2 hrs in before calling it a day and returning to base. Wheels down at 1810.

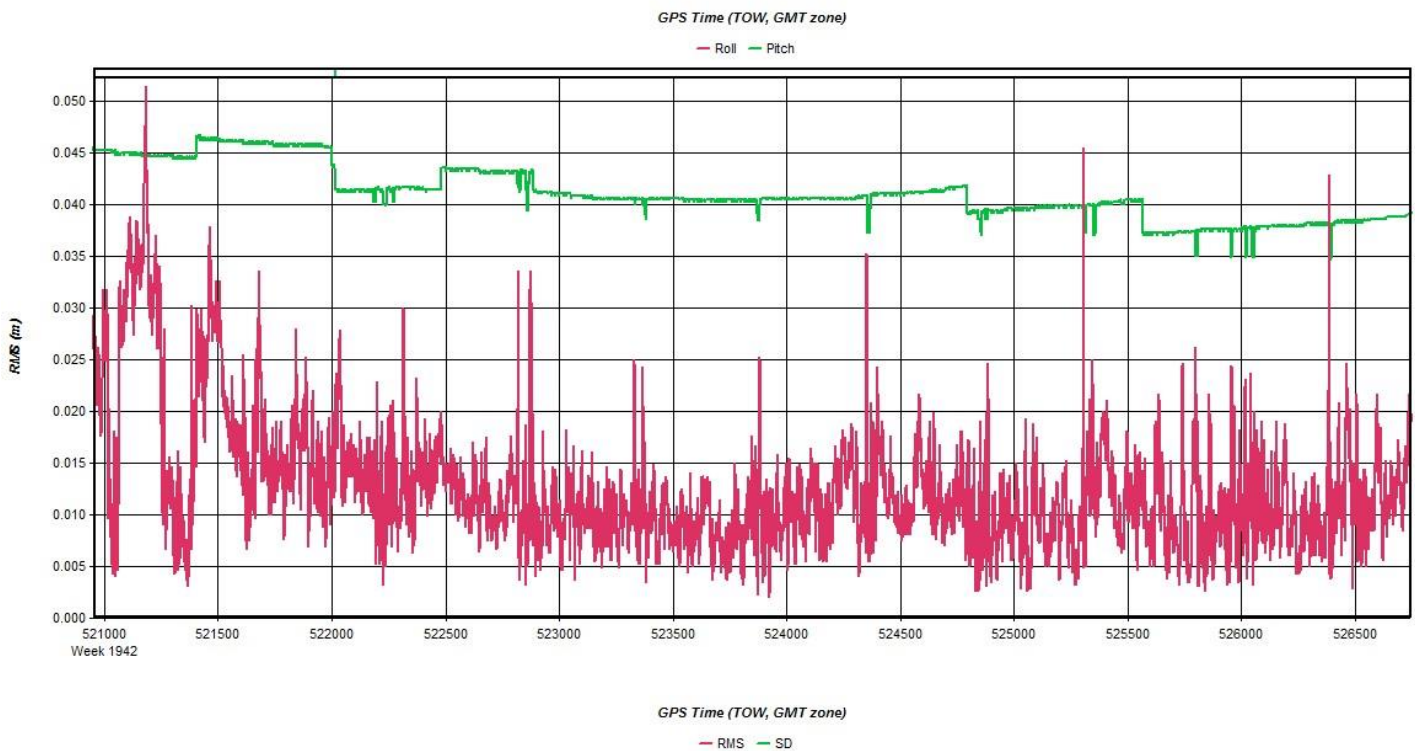
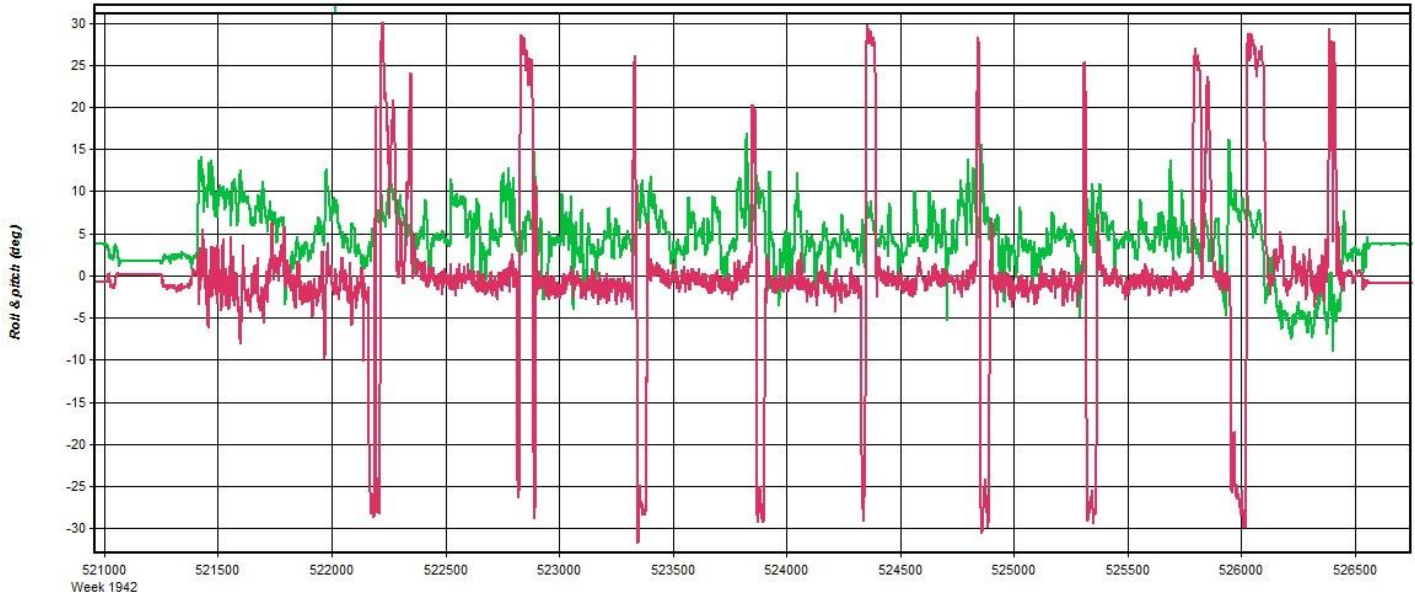
Flt Mgmt File: FAGL_Mendocino_SN8121

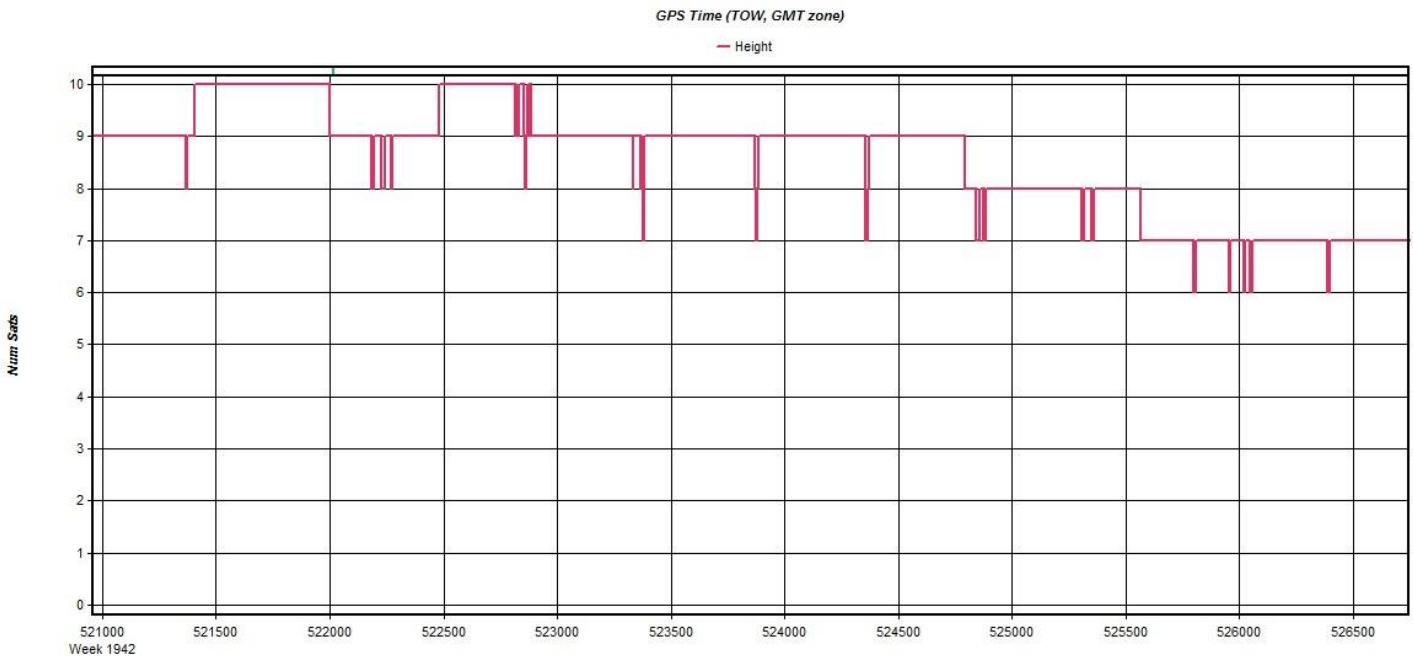
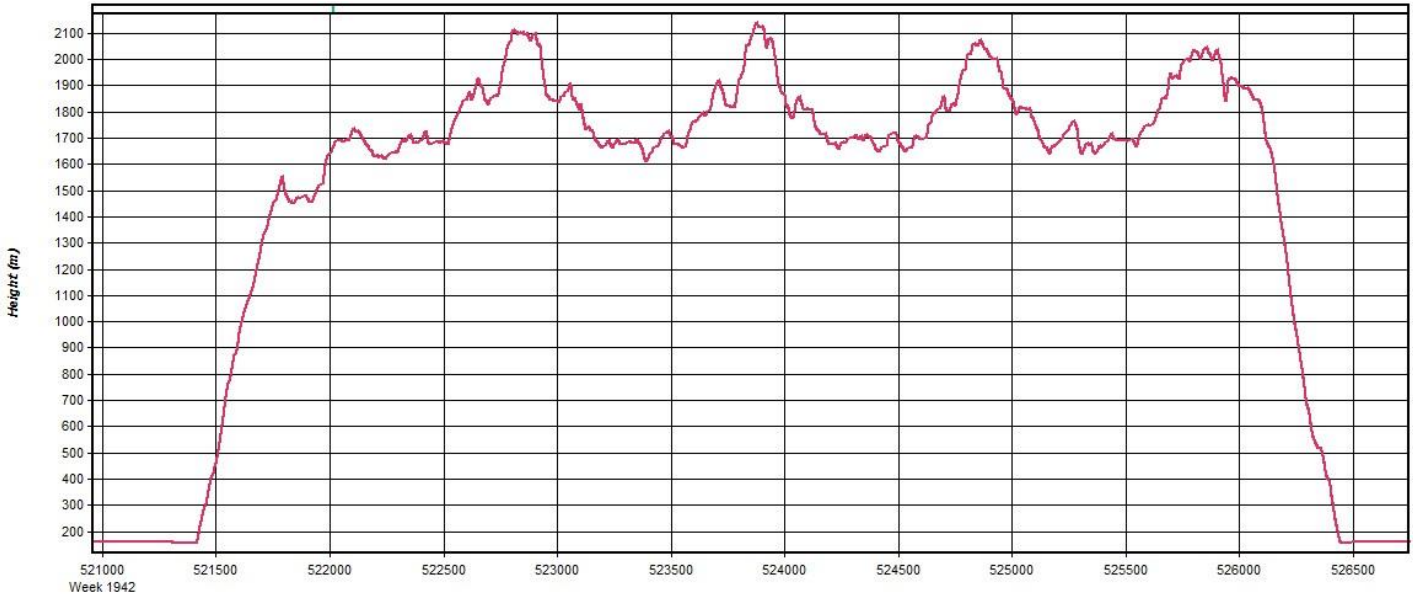
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
167	1998.857 m	16:10:53	24.89419795	1710.527 m	16:18:28	26.07573217
168	1675.265 m	16:20:35	26.47136553	2125.783 m	16:28:20	28.14811482
169	2102.803 m	16:30:07	28.47884335	1688.980 m	16:37:41	29.62610073
170	1681.801 m	16:39:29	29.95871150	2220.565 m	16:47:09	31.59156217
171	2108.103 m	16:49:46	32.06498792	1778.640 m	16:57:20	33.17488008
172	1697.340 m	16:59:17	33.52610129	2163.521 m	17:06:55	35.11320233
173	2085.087 m	17:08:35	35.40620492	2040.427 m	17:09:09	35.48785495

Apr 1, 2017-A1 (N208NR, SN8239)

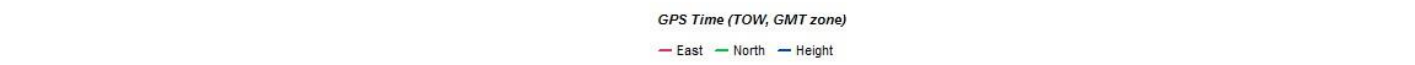
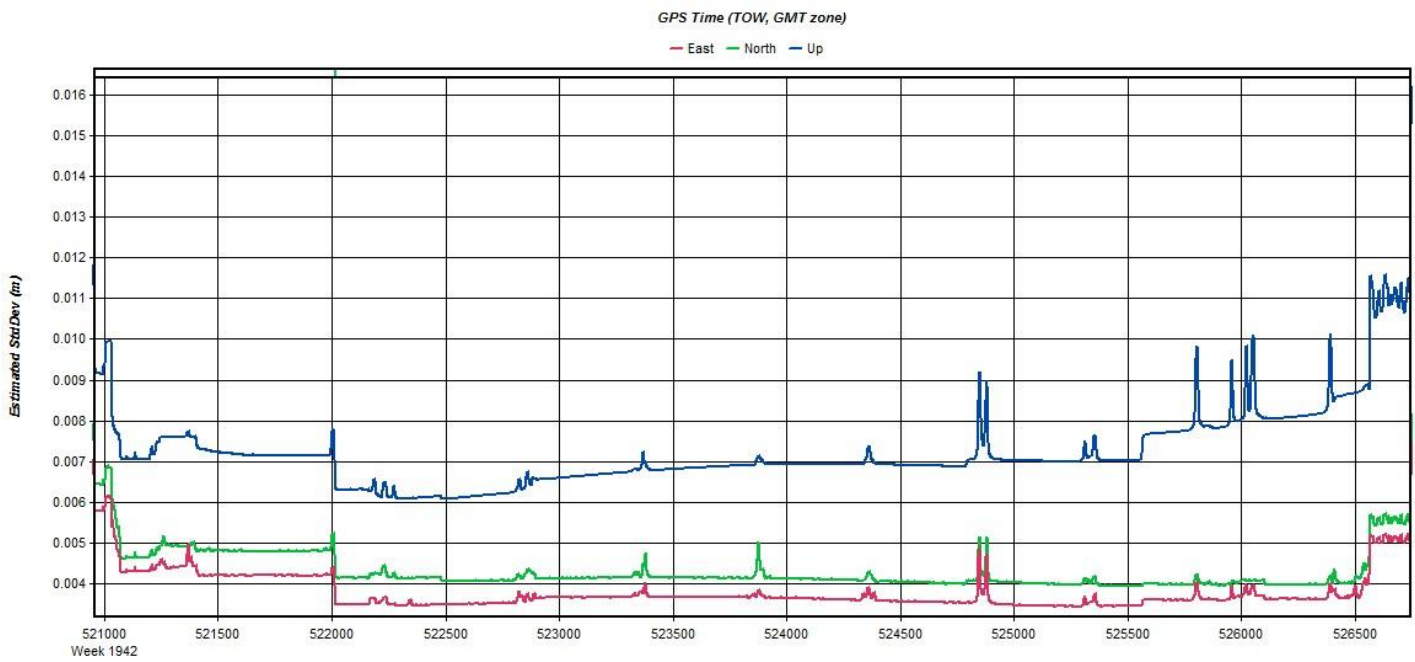
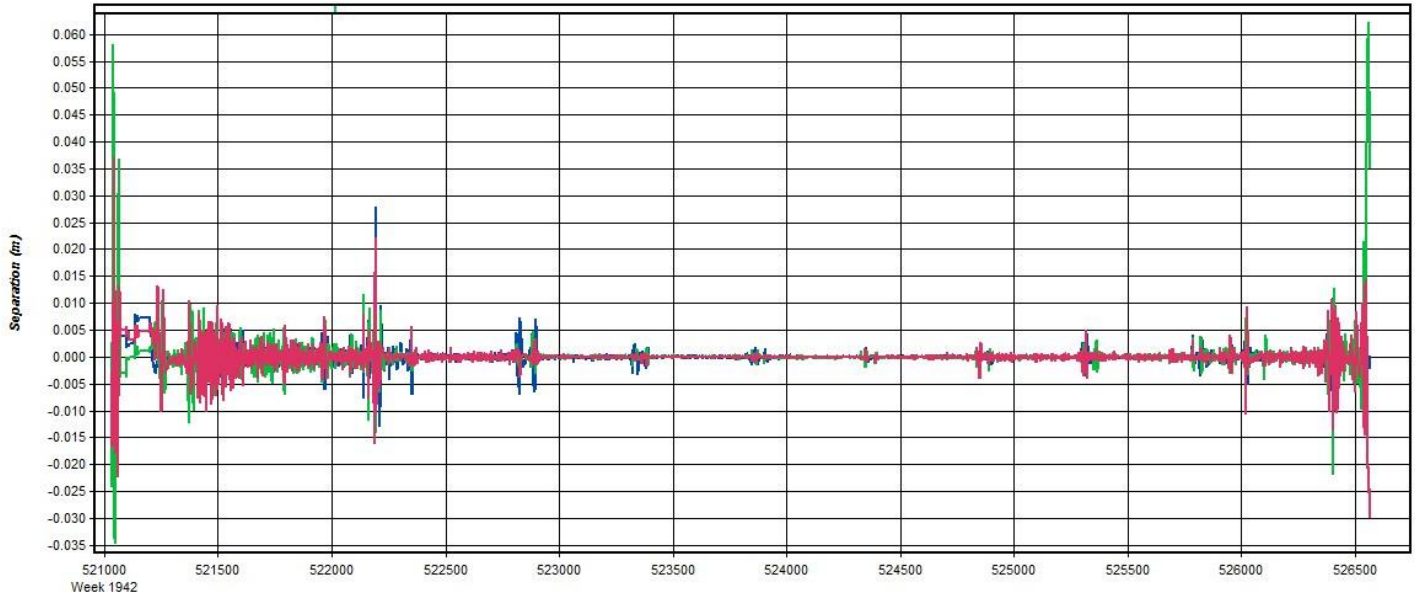


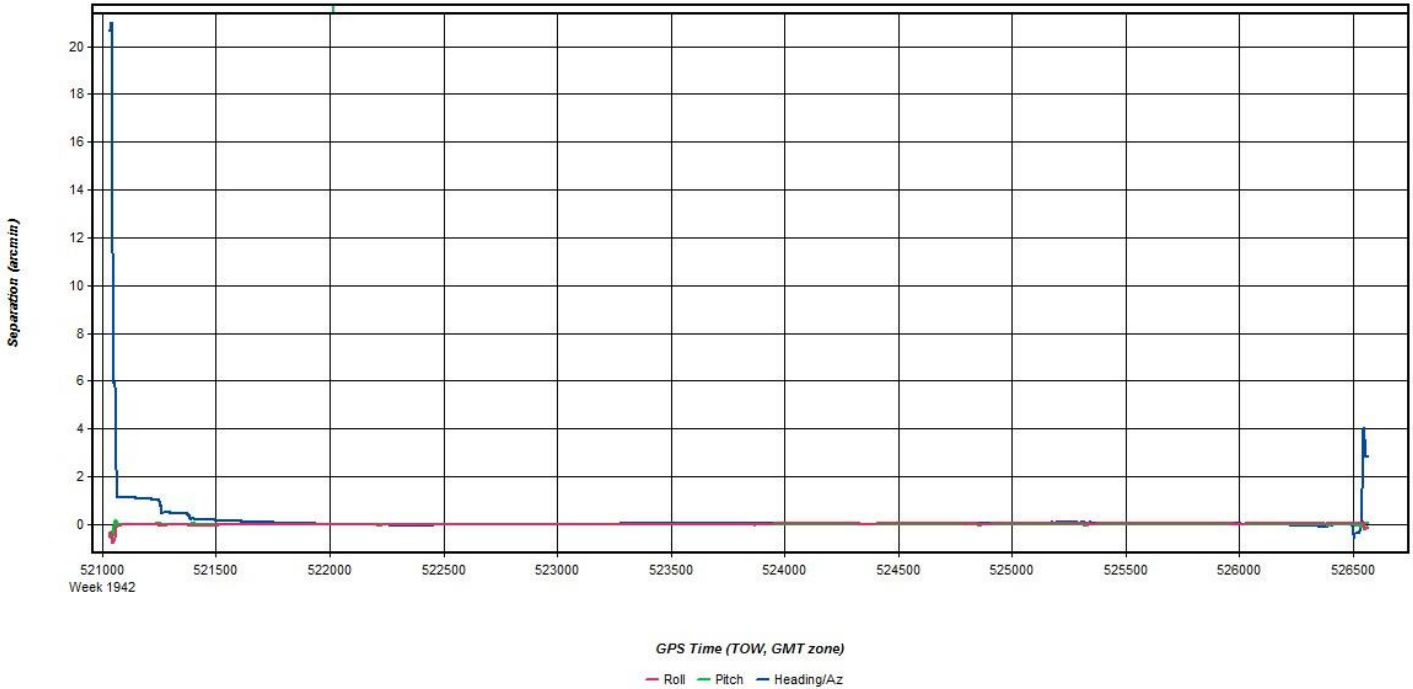






— Num Sats — GPS — GLONASS — BeiDou — Galileo — QZSS





GPS Time (TOW, GMT zone)

— Roll — Pitch — Heading/Az

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P185 Name: P185 Disabled
 File: E:\29724_Mendocino\Drew_Johnston_4-3-17\20170331_FAGL_Me

Coordinates
 Latitude: North 39 15 40.67991 Coord. options
 Longitude: West 123 44 57.55474 Save to Favorites
 Ellipsoidal height: 146.834 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM29659.00, SCIT View STA File
 Antenna profile: TRM29659.00, SCIT Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.086 m
 Applied height: 0.094 m
 Measured to:
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

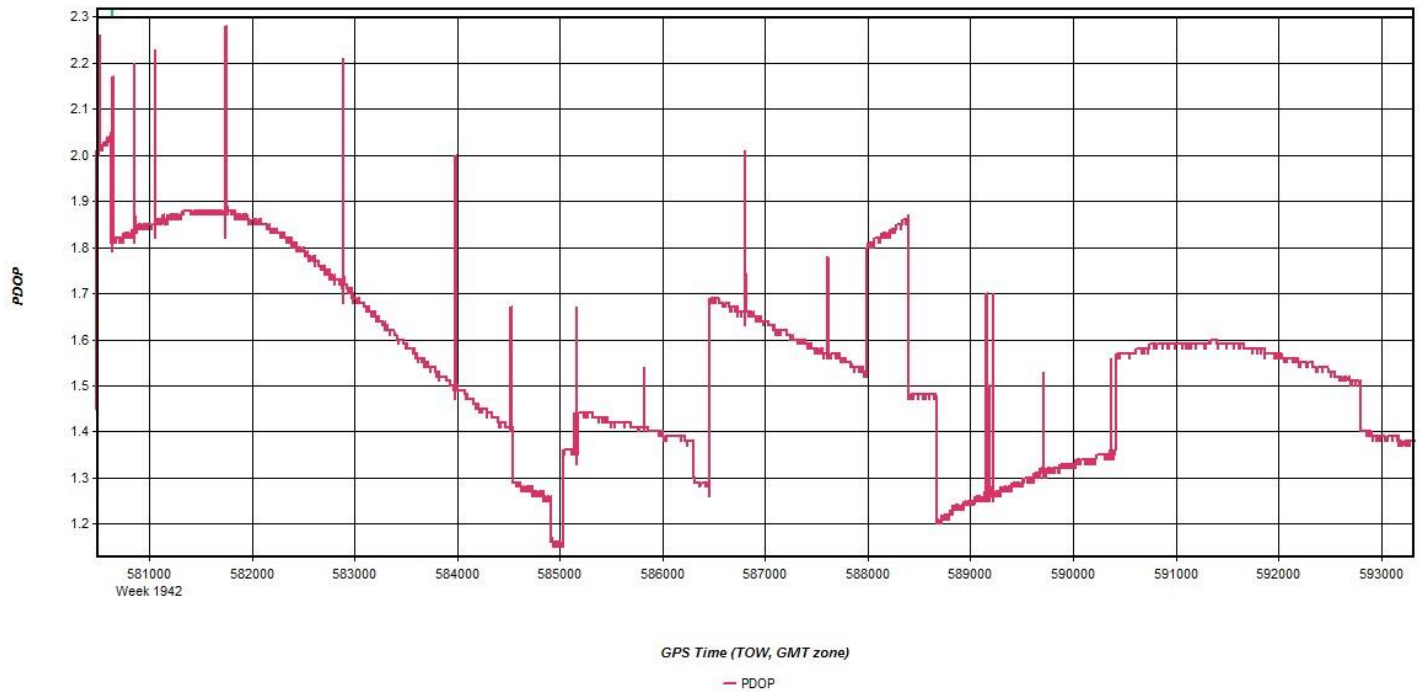
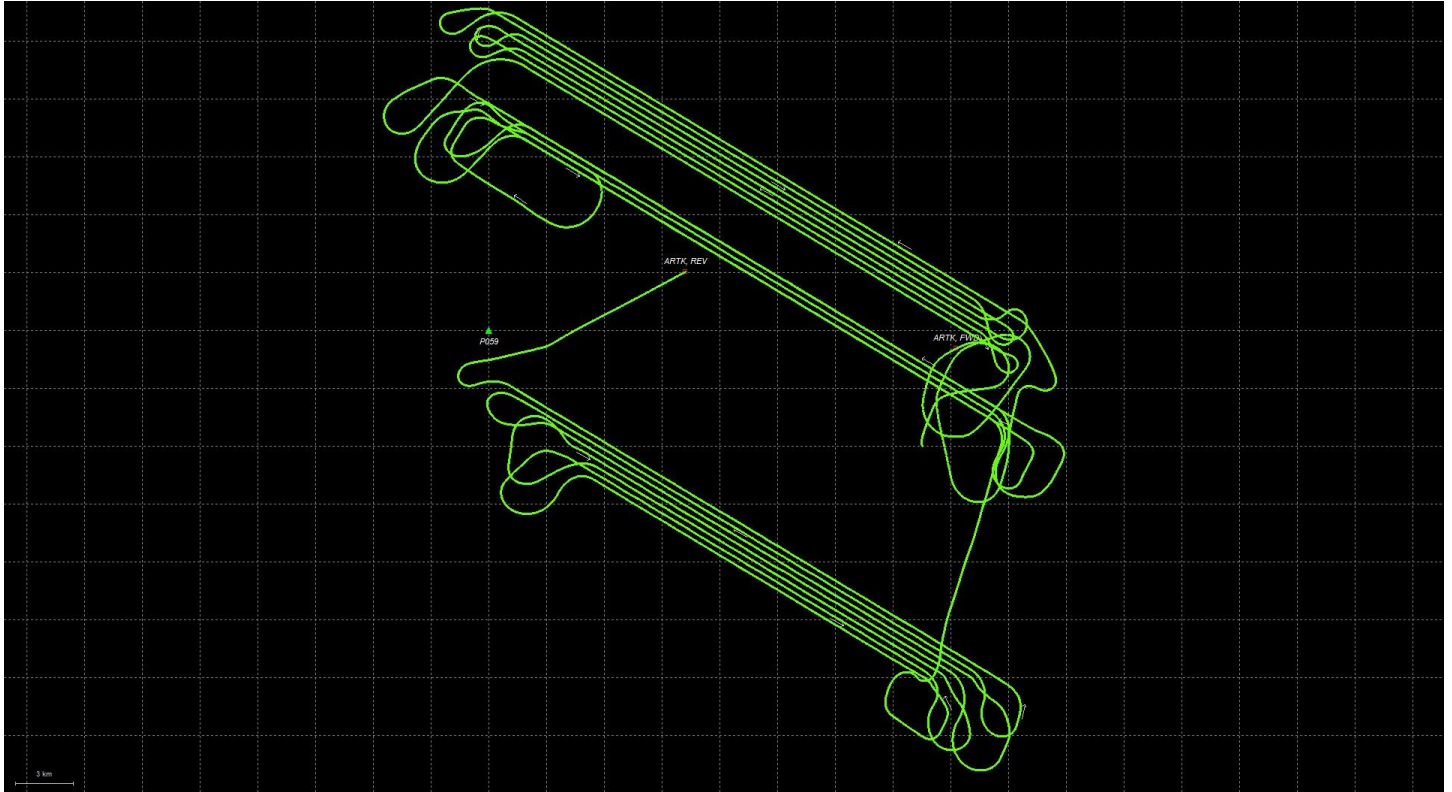
Date: 4/1/2017		Aircraft: 208NR		Sensor: 8239	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8239					
Pilot: Spencer Napor			Sensor Operator: Drew Johnston		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

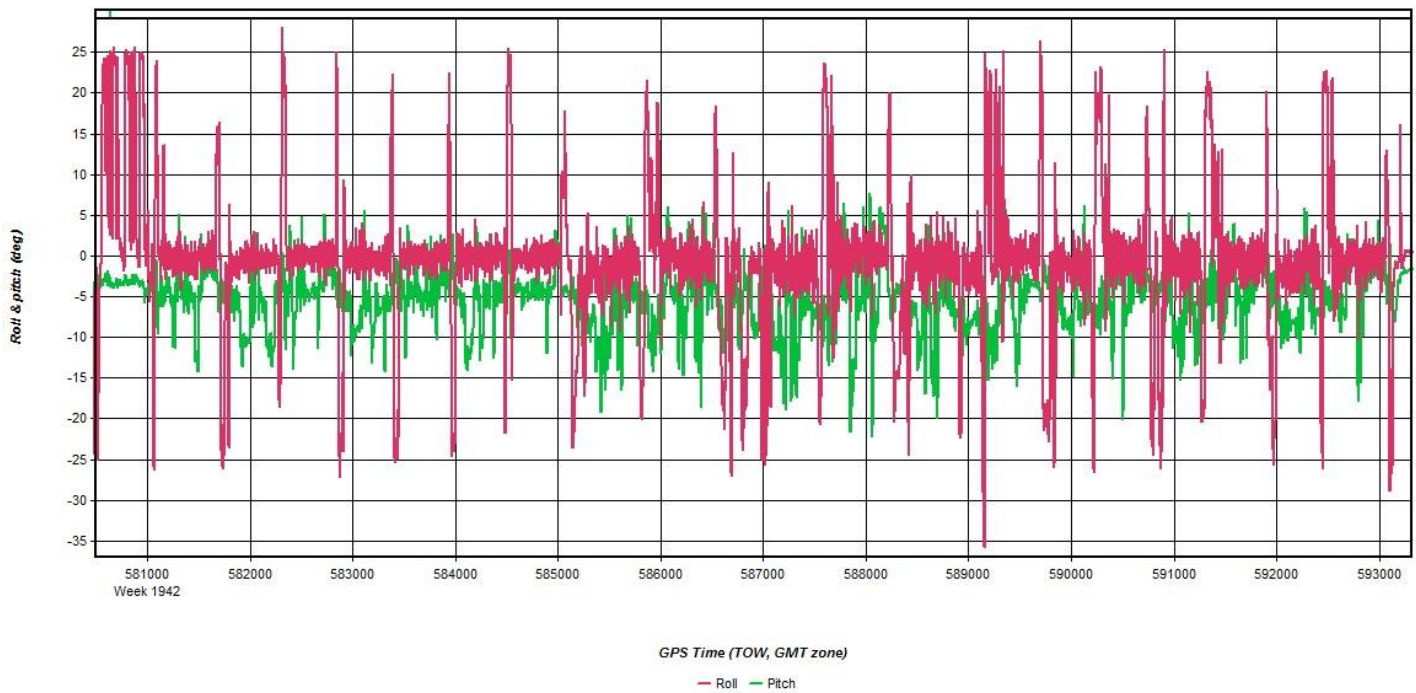
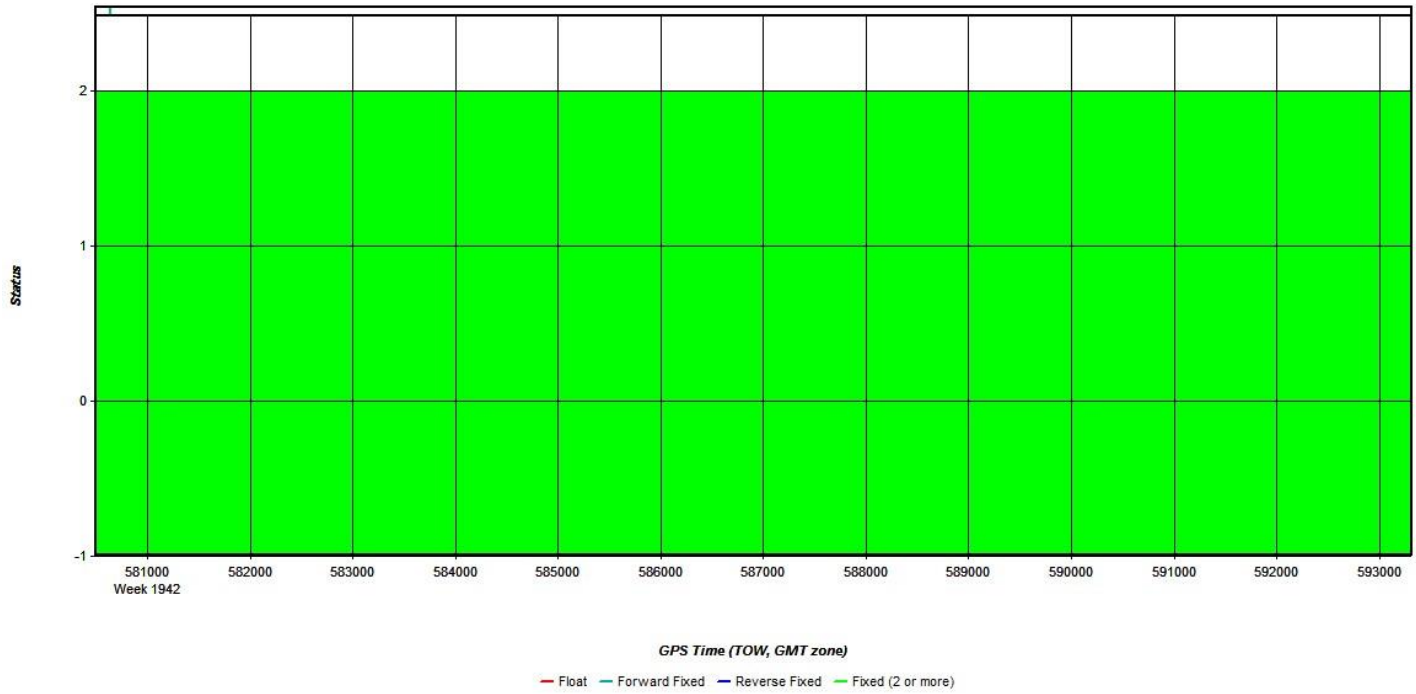
Flt Mgmt File: FAGL_Mendocino_SN8239

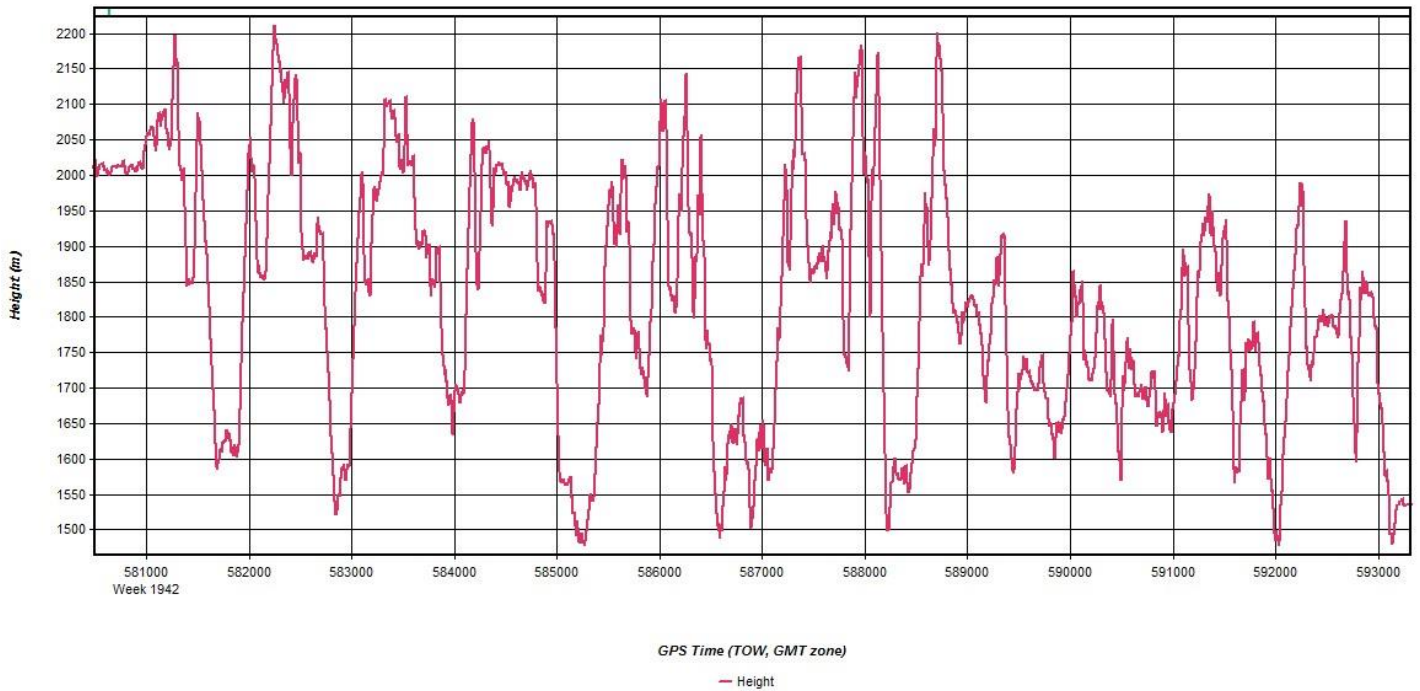
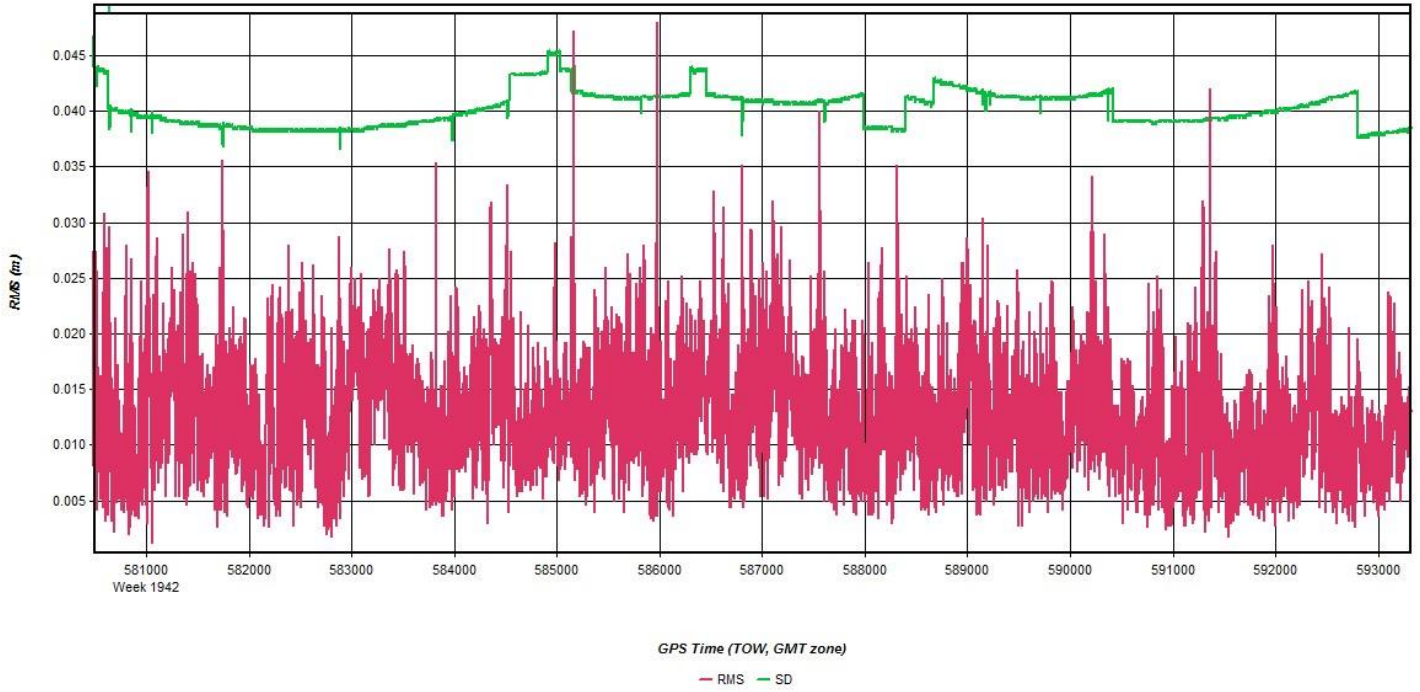
Name	AltStart	TimeStart		TimeEnd
351	1572.497437	17:13		17:19
352	1677.379028	17:20		17:27
353	1560.324097	17:29		17:35
354	1635.782837	17:37		17:43
355	1532.570801	17:44		17:51
356	1607.174438	17:52		17:59
357	1520.377686	18:00		18:07
358	1581.598022	18:08		18:15
359	1513.626587	18:16		18:23
360	1645.086548	18:24		18:32
361	1433.179443	18:33		18:40
362	1659.905518	18:41		18:48
363	1371.28064	18:50		18:50
363	1467.310547	18:53		19:01
364	1595.180664	19:03		19:10
365	1515.868164	19:12		19:20
366	1671.063599	19:21		19:29
367	1574.390381	19:30		19:38
368	1624.733276	19:40		19:48

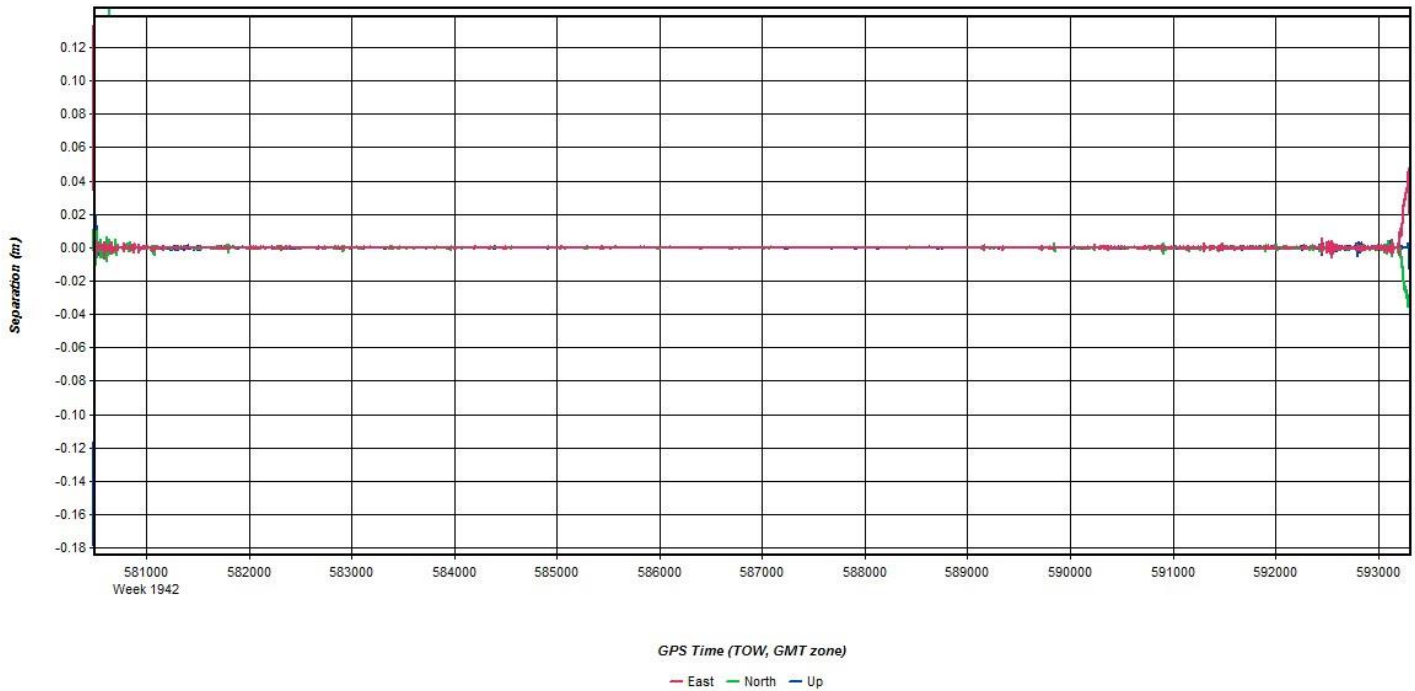
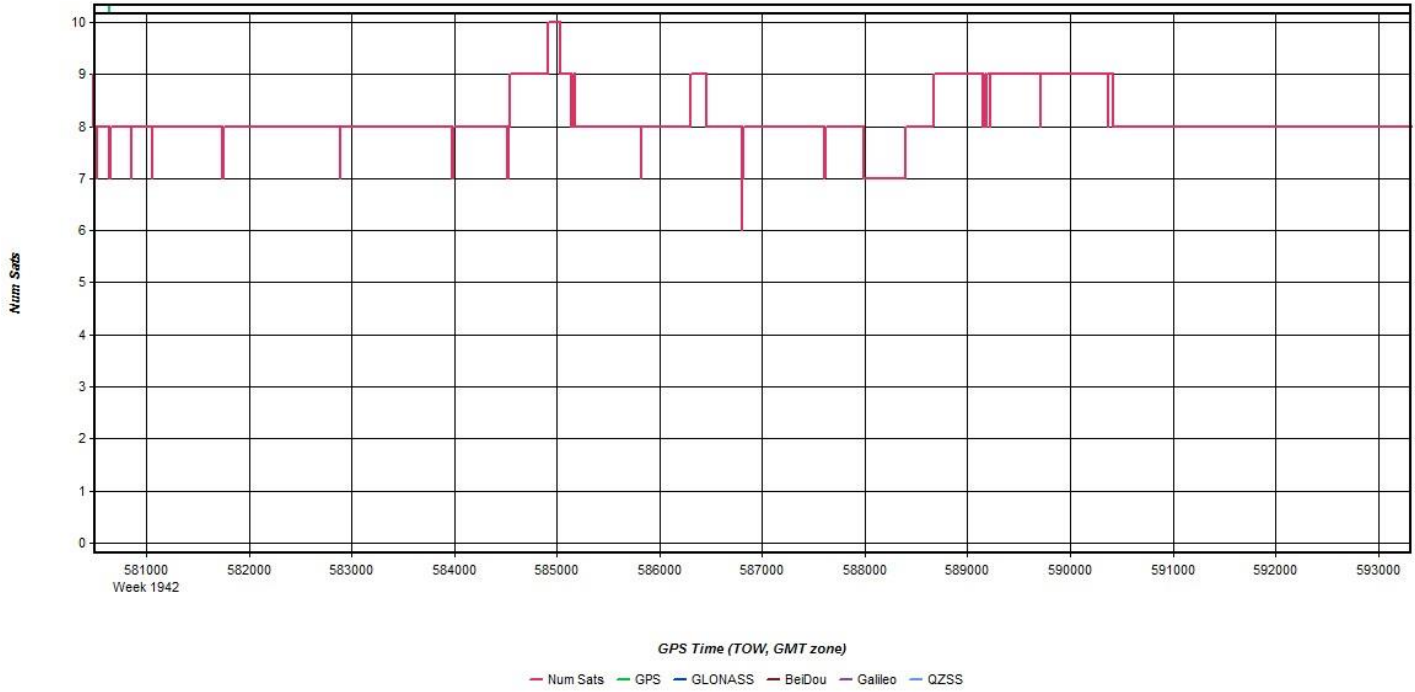
369	1623.828857	19:49		19:57
370	1673.530884	19:59		20:06
371	1612.861206	20:08		20:16
372	1634.446533	20:18		20:26
373	1625.101196	20:27		20:35
374	1590.686768	20:37		20:44
375	1589.994873	20:46		20:54
376	1630.397339	20:56		21:04
377	1516.200928	21:06		21:14
378	1531.623169	21:15		21:23
379	1559.156372	21:25		21:32
380	1598.740723	21:34		21:41
381	1560.043213	21:43		21:50
382	1677.995361	21:52		21:59
383	1482.731567	22:00		22:09

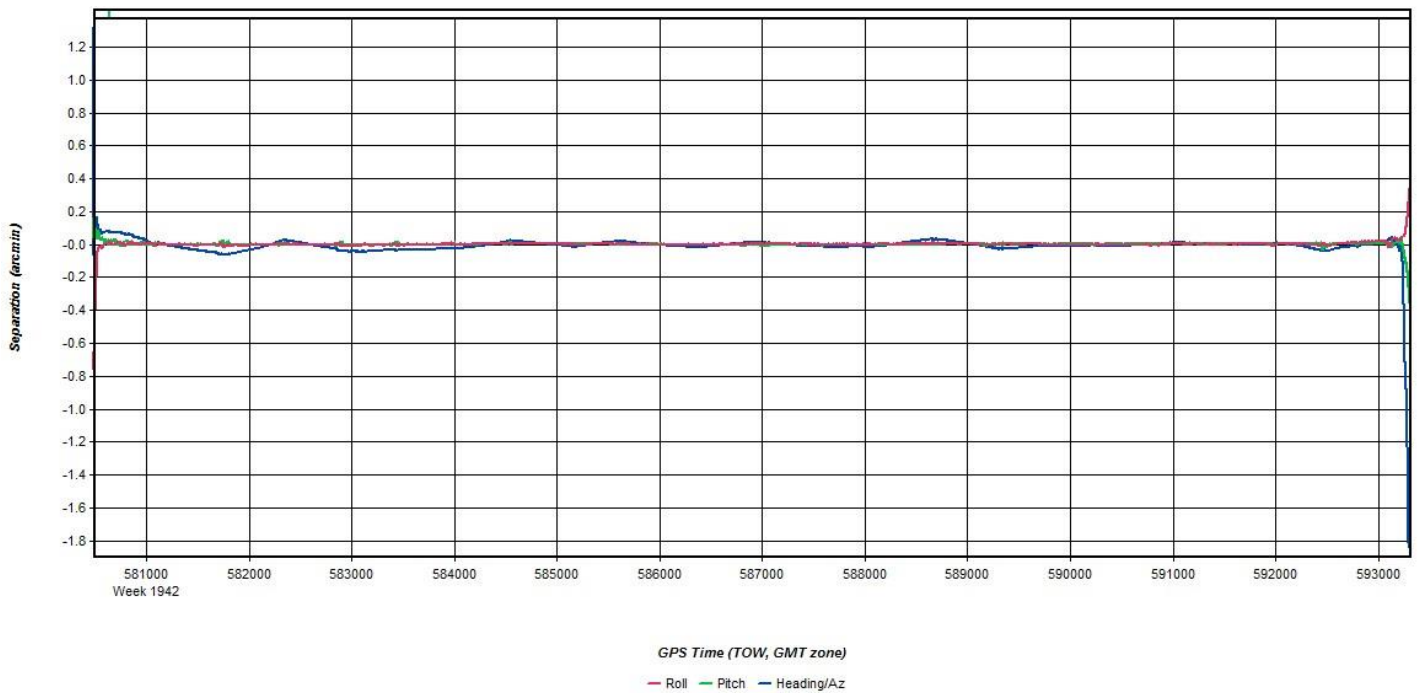
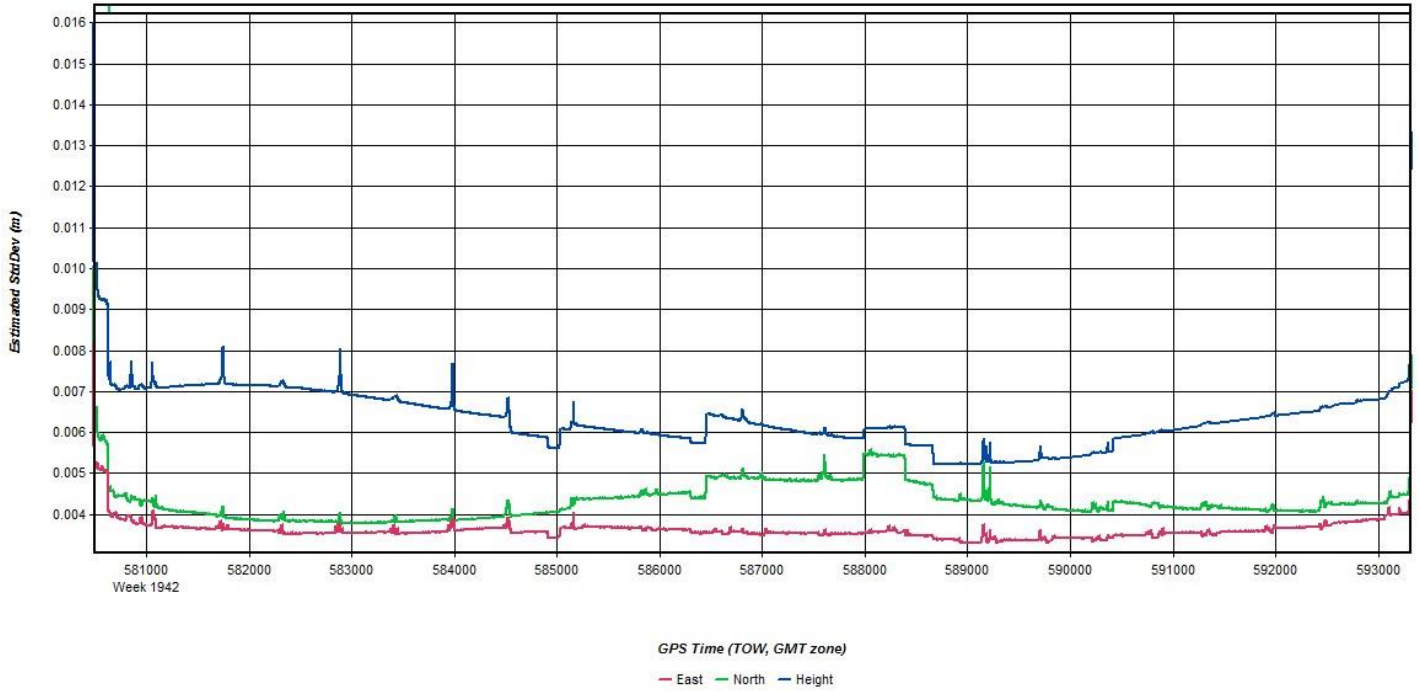
Apr 1, 2017-B (N704MD, SN8121)











Coordinate/Antenna Settings ? X

Master Remote

Base Station
1: P059 Name: P059 Disabled
File: E:\29724_Mendocino\Justin_Maxey_4-4-17\20170401_SN8121_Me

Coordinates
Latitude: North 38 55 42.03419 Coord. options
Longitude: West 123 43 34.25639 Save to Favorites
Ellipsoidal height: -10.822 m
Datum: WGS84 Proc Datum: WGS84
Epoch: year

Antenna Height
From station file: TRM59800.80, SCIT View STA File
Antenna profile: TRM59800.80, SCIT Info
Measured height: 0.008 m
ARP to L1 offset: 0.085 m
Applied height: 0.093 m
Measured to
 ARP
 L1 Phase Centre
Compute From Slant

OK Cancel

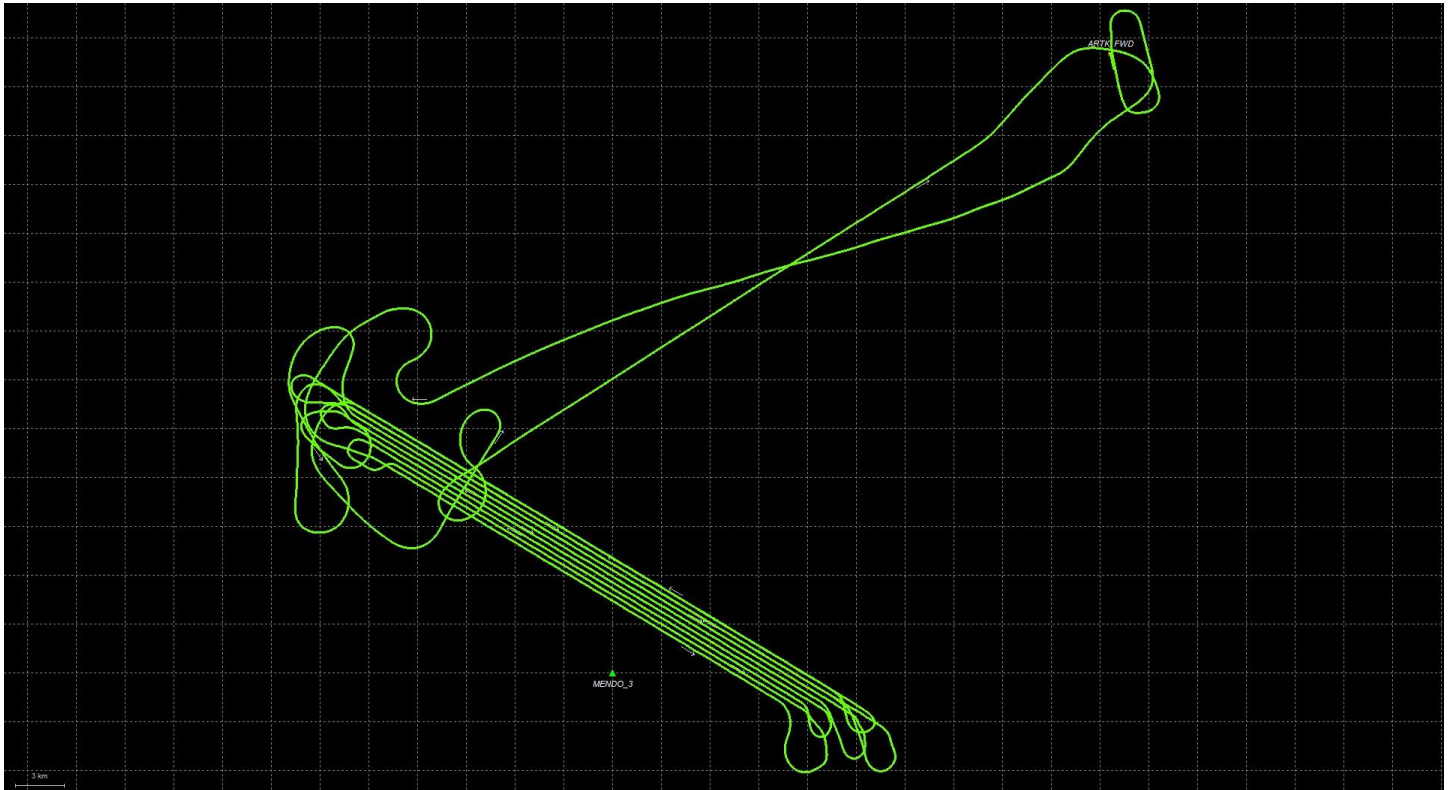
Flight Log

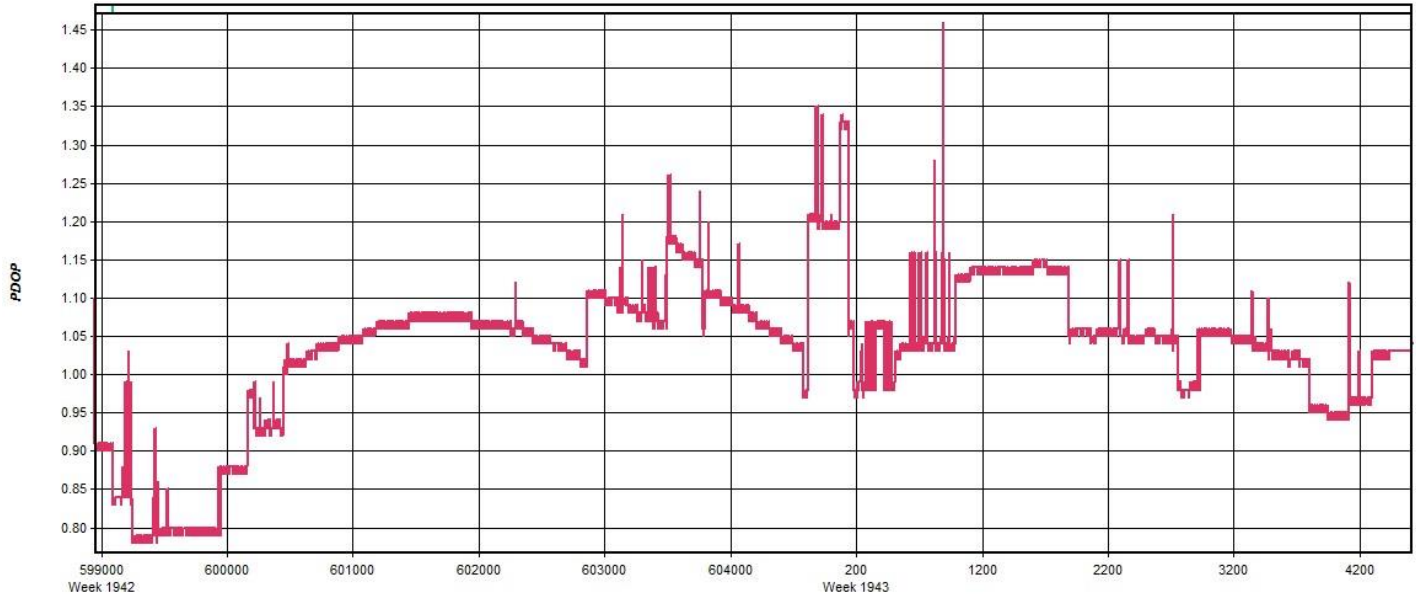
Date: 4/1/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Brian Butler			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

Flt Mgmt File: FAGL_Mendocino_SN8121

Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
171	2055.613 m	17:26:32	38.47821017	1622.745 m	17:34:16	39.51888218
172	1610.935 m	17:36:48	39.94066717	2174.710 m	17:44:23	41.41191042
173	2143.958 m	17:46:07	41.69099623	1527.620 m	17:53:42	42.64200810
174	1574.384 m	17:55:21	42.90247020	2102.013 m	18:02:33	44.23993979
175	2020.430 m	18:04:19	44.50689780	1699.995 m	18:11:54	45.38284043
176	1690.844 m	18:13:46	45.65719936	2000.776 m	18:21:04	46.91956524
177	1992.022 m	18:22:42	47.14679545	1572.232 m	18:30:13	47.92279978
185	1539.900 m	18:35:33	48.63542854	1775.653 m	18:42:58	49.78595956
185	2105.521 m	18:47:08	50.28014327	1617.343 m	18:55:05	50.95423408
186	1640.459 m	18:58:33	51.32952915	1682.422 m	18:59:34	51.46860930
186	1586.555 m	19:04:20	51.92589263	1872.071 m	19:11:57	52.86757212
187	1972.479 m	19:15:01	53.14326542	1508.846 m	19:23:14	53.61611301
187	1598.562 m	19:27:26	53.93351495	1781.260 m	19:34:55	54.63240182
228	1686.894 m	19:39:17	54.99007746	1686.497 m	19:39:28	55.00182635
228	1897.682 m	19:42:25	55.15898829	1701.634 m	19:47:52	55.30563790
227	1648.059 m	19:50:59	55.43711611	1709.022 m	19:56:17	55.74780567
226	1693.276 m	19:59:19	55.84000604	1701.242 m	20:05:16	55.86933856
225	1685.554 m	20:08:21	55.91814579	1881.527 m	20:14:08	56.08699808
224	1894.482 m	20:17:46	56.09594890	1637.385 m	20:24:43	55.95462155
223	1484.054 m	20:26:47	55.92694209	1799.979 m	20:33:31	55.90480295
222	1785.509 m	20:36:00	55.83984345	1597.839 m	20:44:03	55.48422117

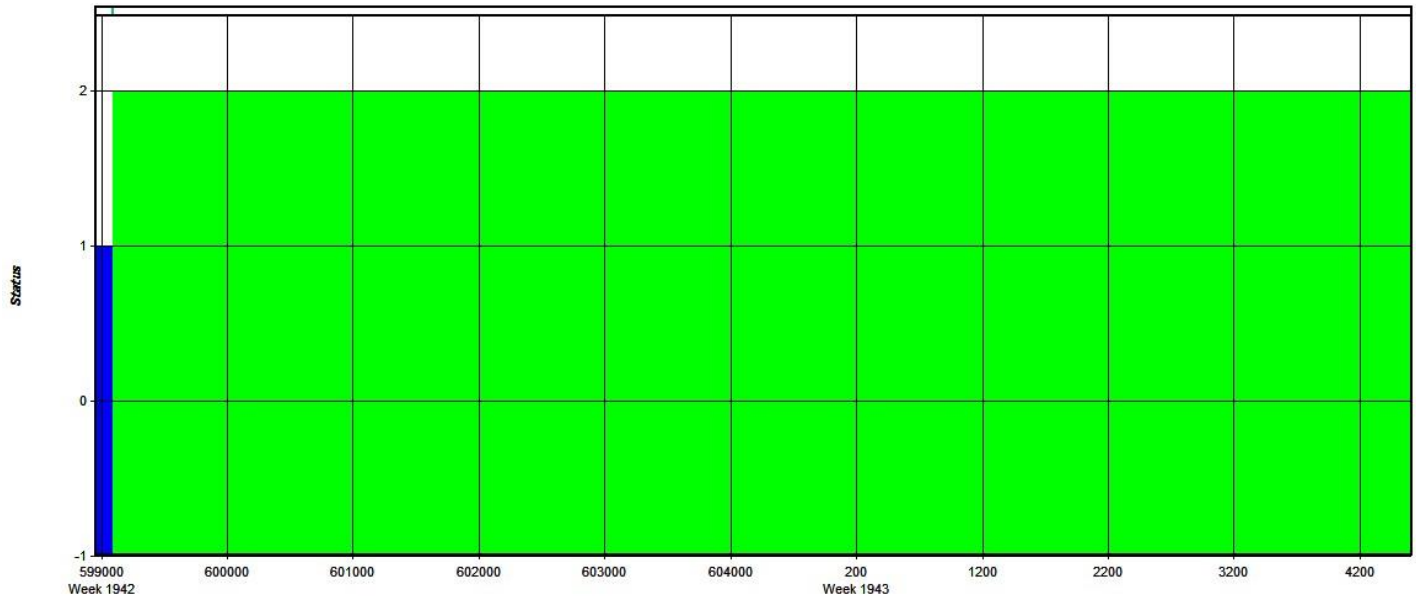
Apr 1, 2017-C (N704MD, SN8121)





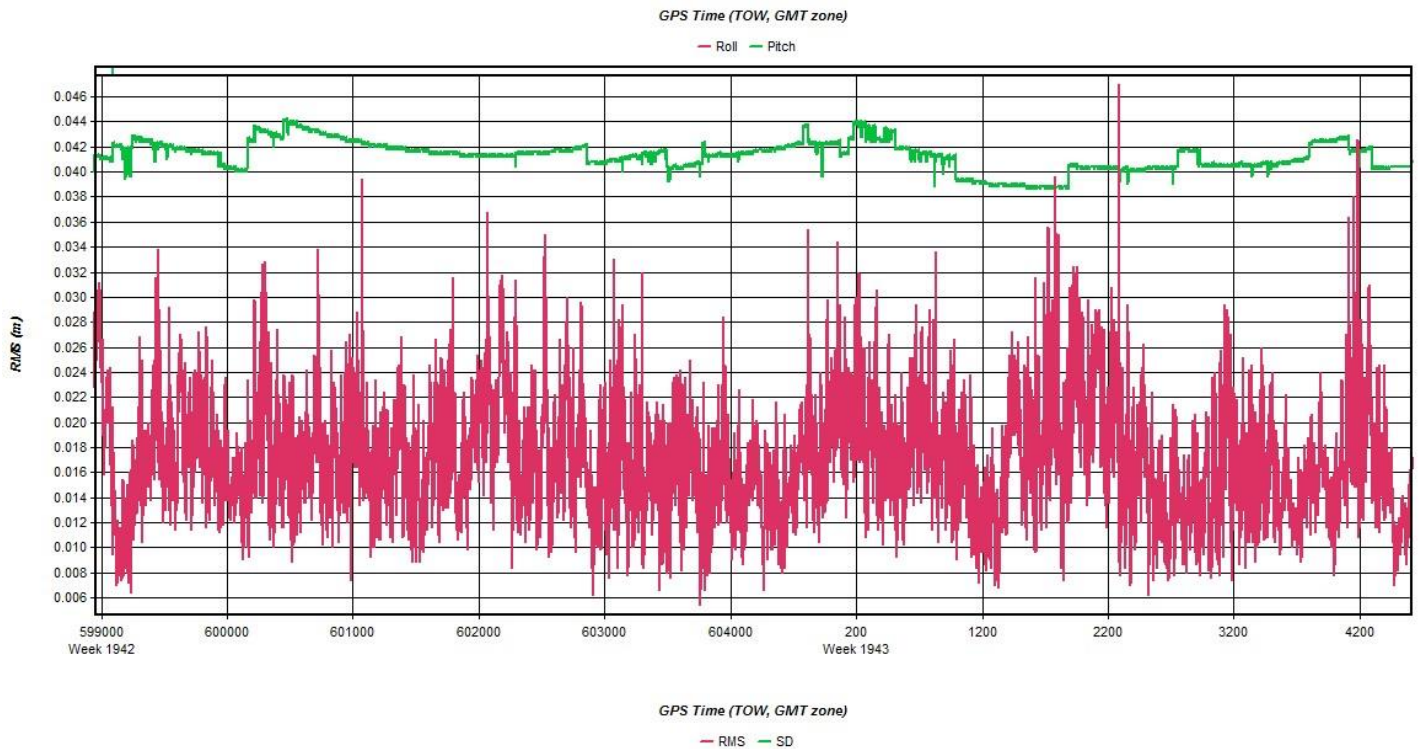
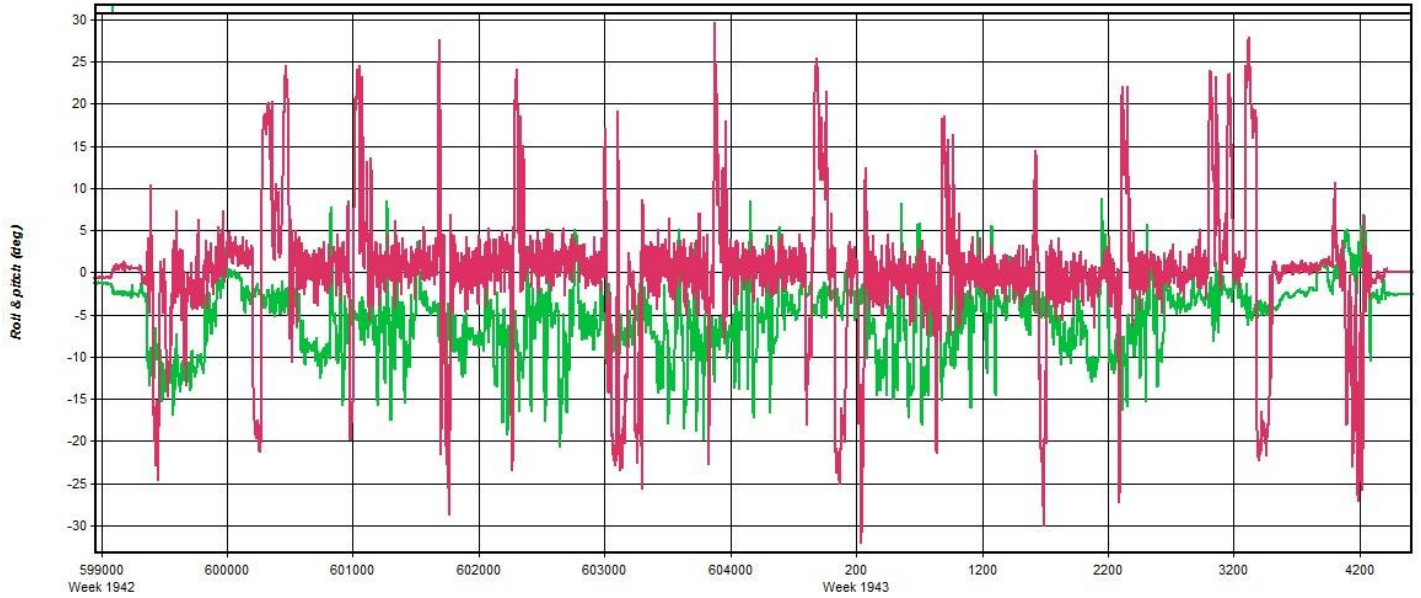
GPS Time (TOW, GMT zone)

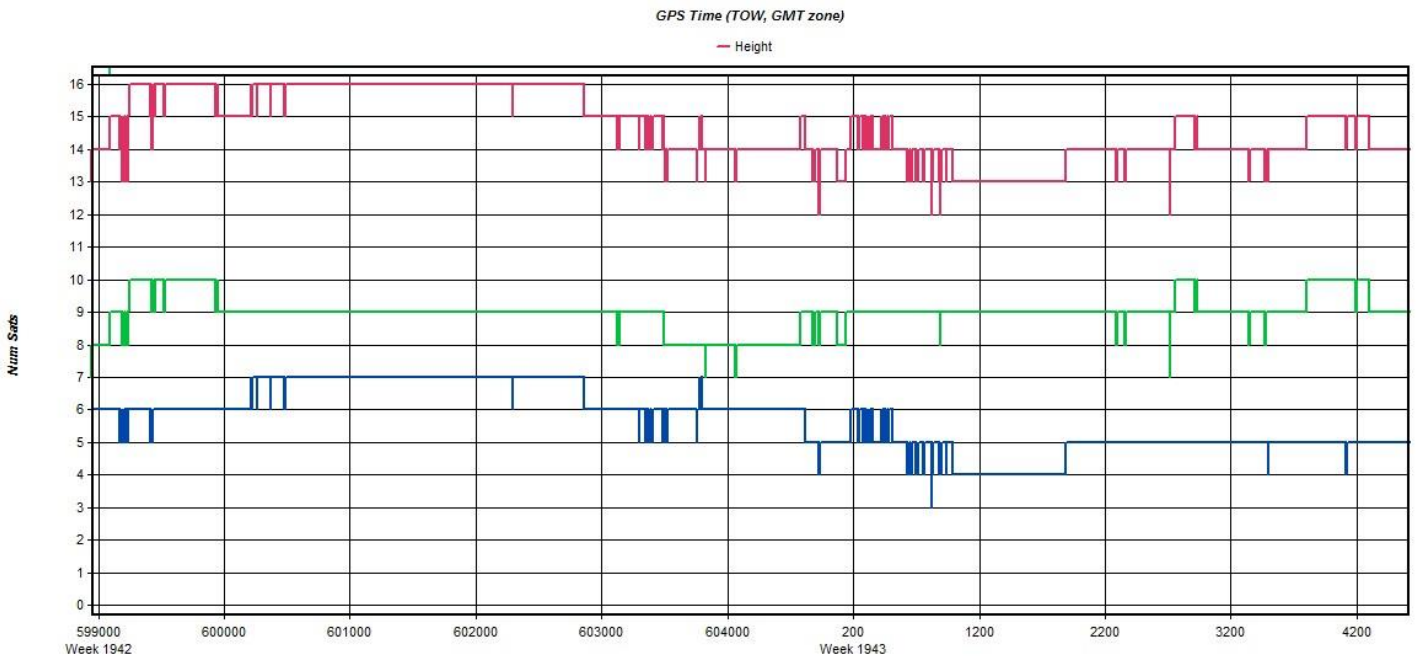
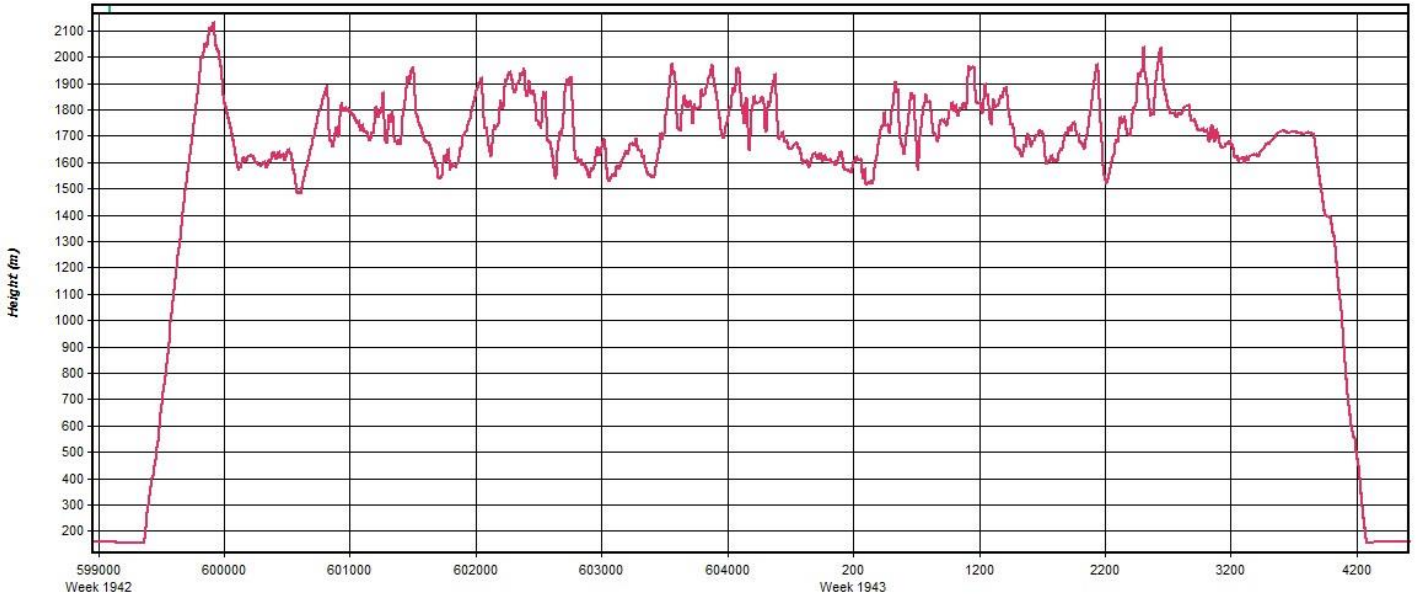
— PDOP



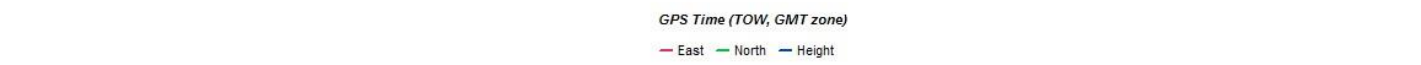
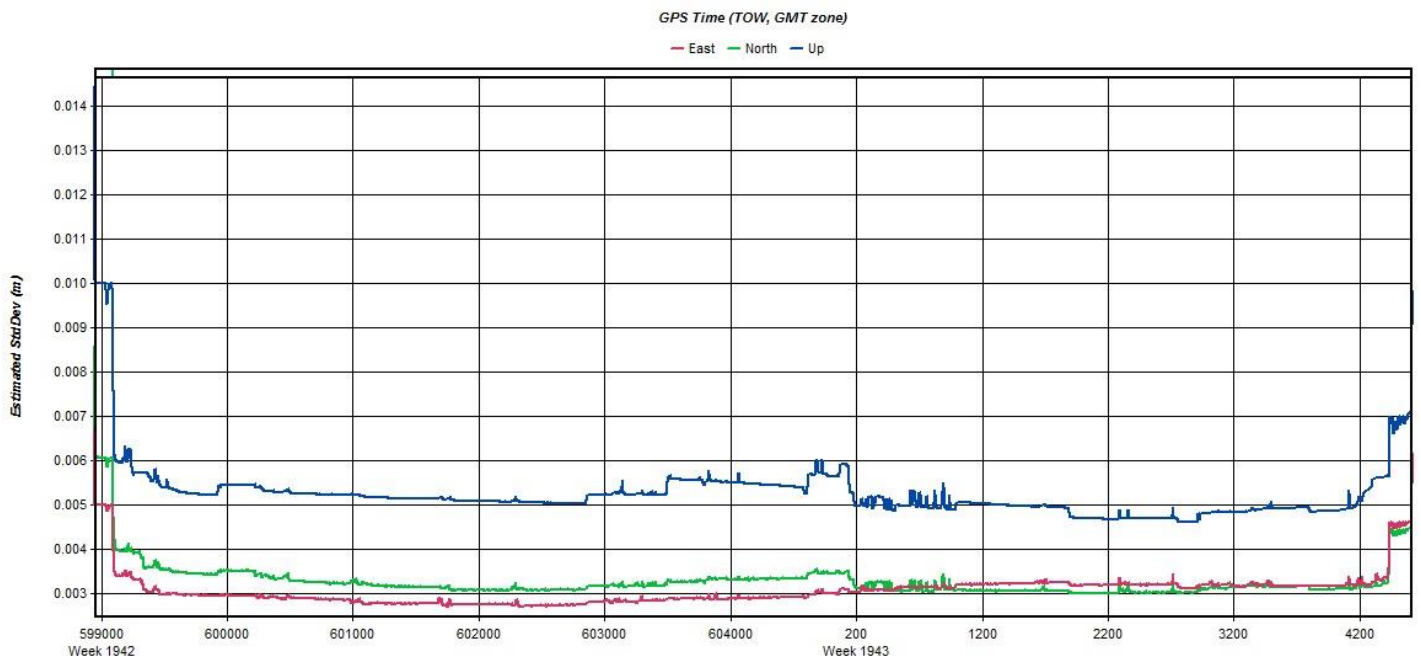
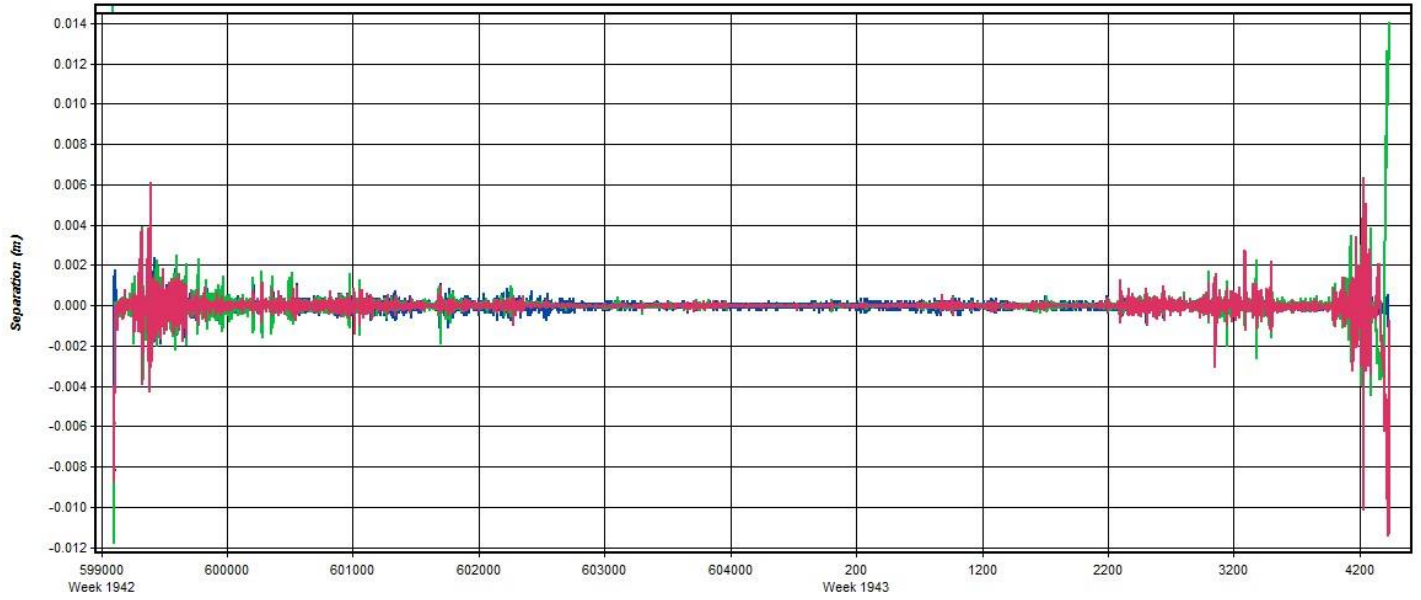
GPS Time (TOW, GMT zone)

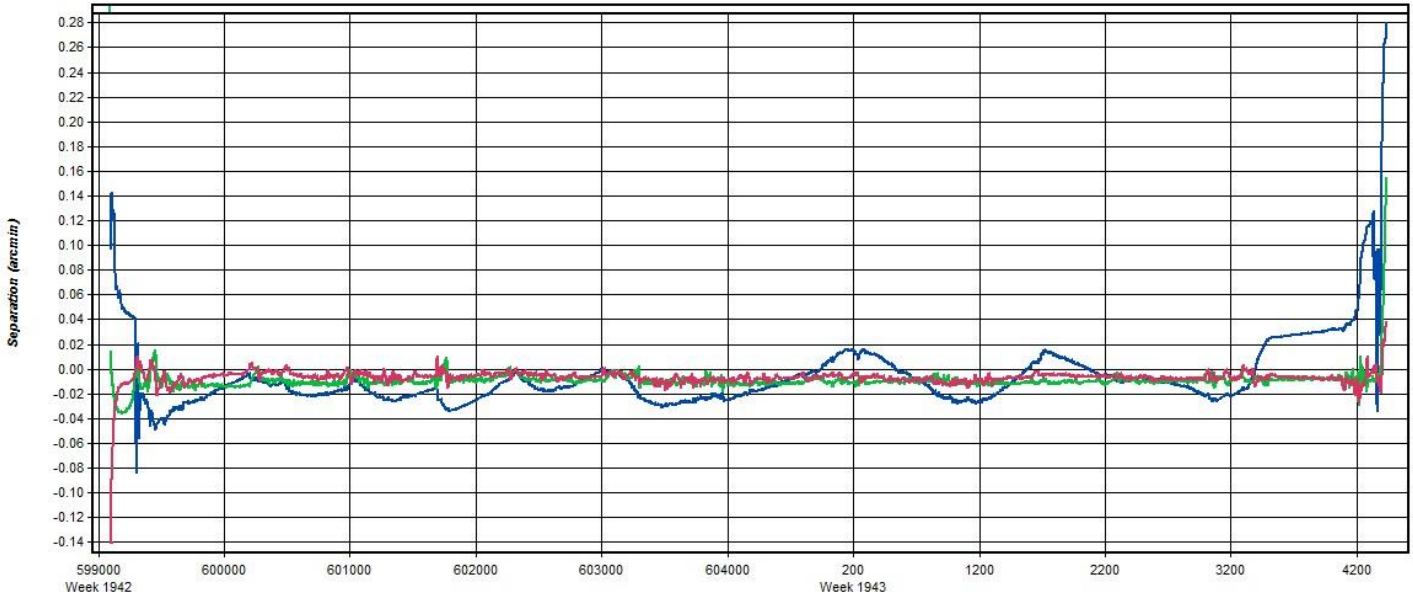
— Float — Forward Fixed — Reverse Fixed — Fixed (2 or more)





— Num Sats — GPS — GLONASS — BeiDou — Galileo — QZSS





GPS Time (TOW, GMT zone)

— Roll — Pitch — Heading/Az

Coordinate/Antenna Settings

Master Remote

Base Station
 1: MENDO_3 Name: MENDO_3 Disabled
 File: E:\29724_Mendocino\29724_USGS_Mendocino\From_Andre_Samp

Coordinates
 Latitude: North 38 47 11.17831 Coord. options
 Longitude: West 123 33 23.36264 Save to Favorites
 Ellipsoidal height: -1.510 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 1.500 m
 ARP to L1 offset: 0.067 m
 Applied height: 1.567 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

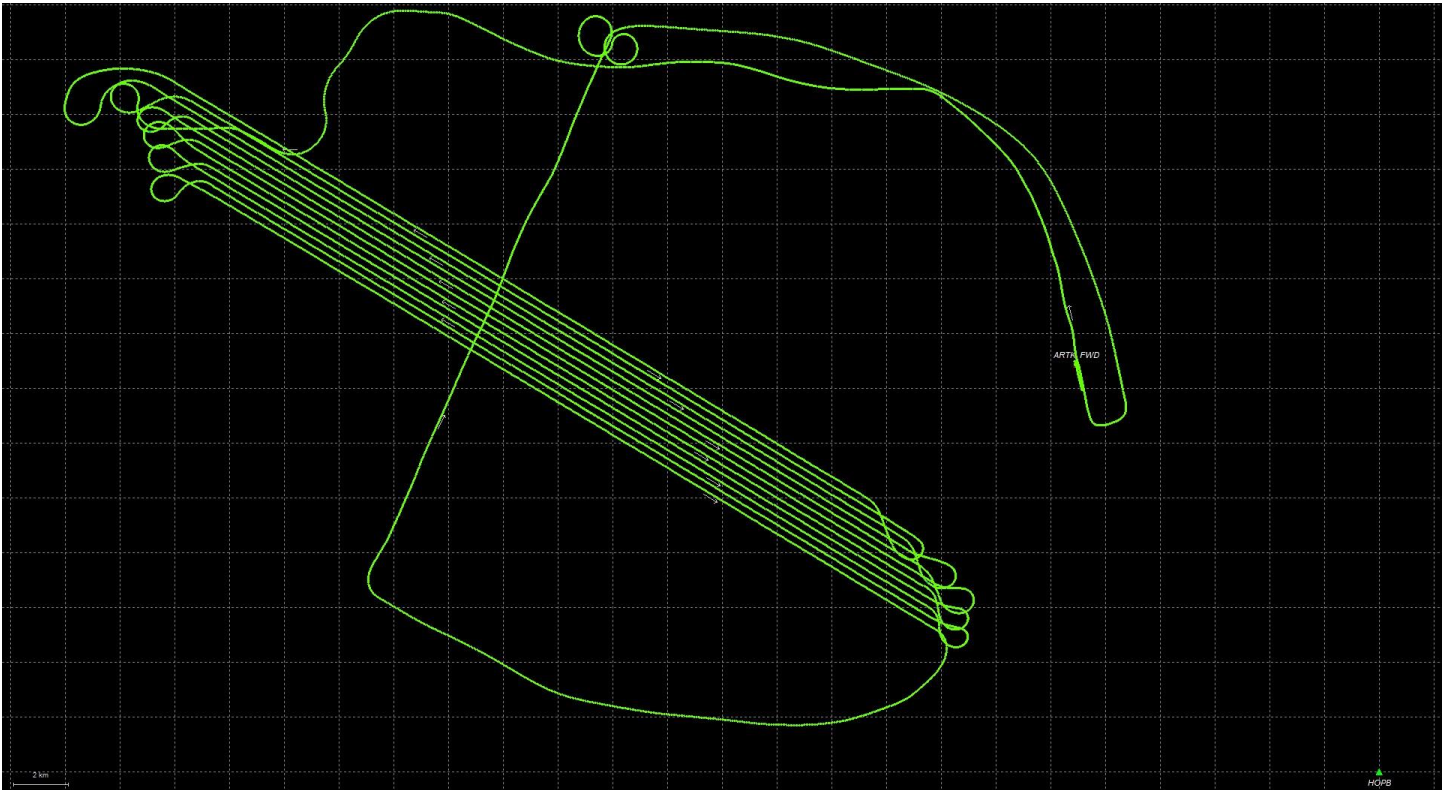
Flight Log

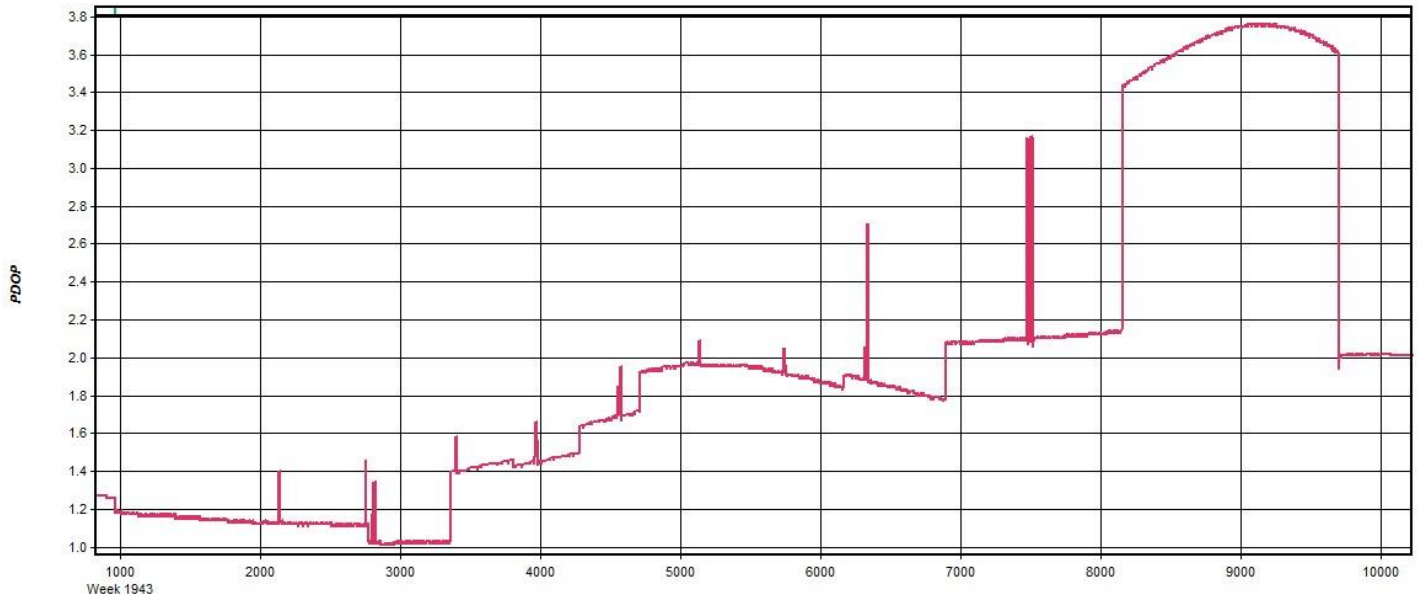
Date: 4/1/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Brian Butler			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

Flt Mgmt File: FAGL_Mendocino_SN8121

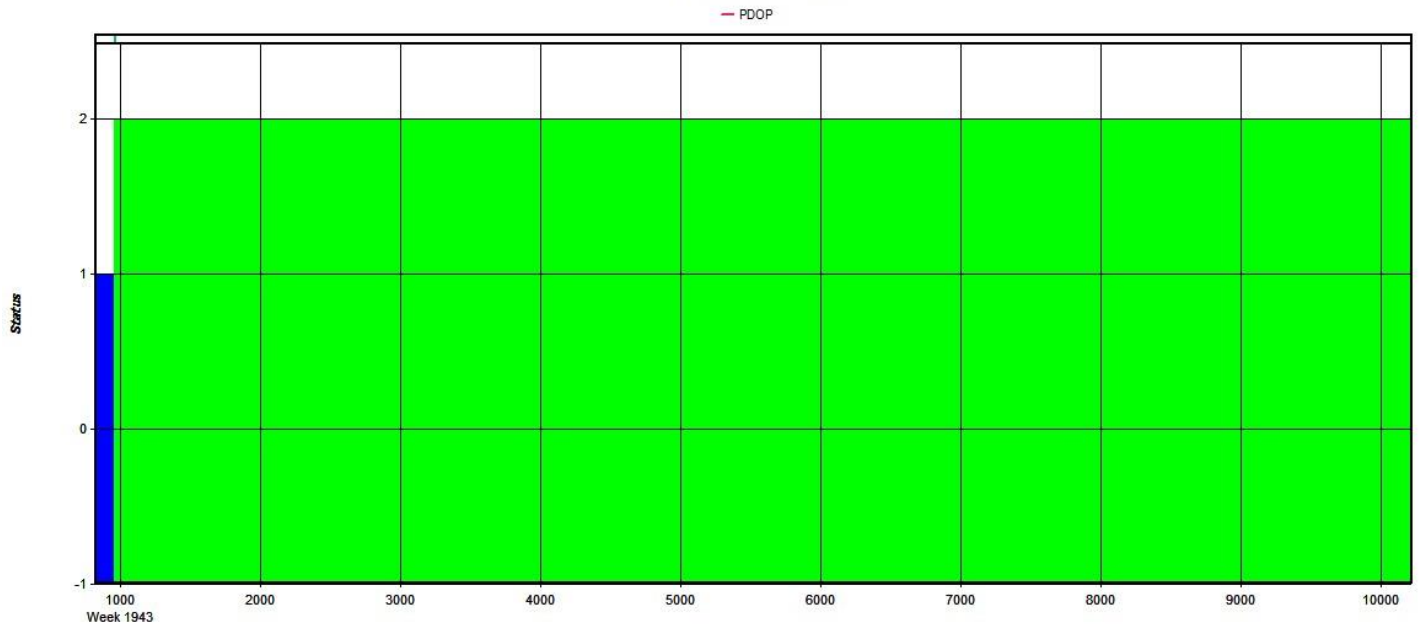
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
223	1524.223 m	22:49:10	41.87909980	1797.100 m	22:55:56	40.69113930
222	1687.947 m	22:59:07	40.16479571	1590.375 m	23:07:42	38.85943520
221	1585.925 m	23:09:43	38.52111357	1938.212 m	23:17:21	37.09116404
220	1944.622 m	23:19:18	36.75076413	1652.049 m	23:29:39	35.10855470
219	1552.758 m	23:31:33	34.77450337	1588.157 m	23:31:41	34.74897163
219	1644.760 m	23:34:55	34.18104428	1873.459 m	23:43:27	32.48537955
218	1763.397 m	23:46:22	31.95546924	1596.850 m	23:56:22	30.32872477
217	1572.391 m	00:04:30	28.83787331	1802.480 m	00:13:18	27.00490824
217	1810.035 m	00:17:11	26.28012032	1662.874 m	00:26:37	24.72362602
216	1610.954 m	00:29:07	24.25116315	1667.256 m	00:37:43	22.40530015
216	1806.989 m	00:40:08	21.94624643	1719.220 m	00:49:41	20.35332892
UL001	1663.404 m	00:53:12	19.64247297	1617.044 m	00:54:21	19.39401455

Apr 2, 2017-A (N208NR, SN8239)



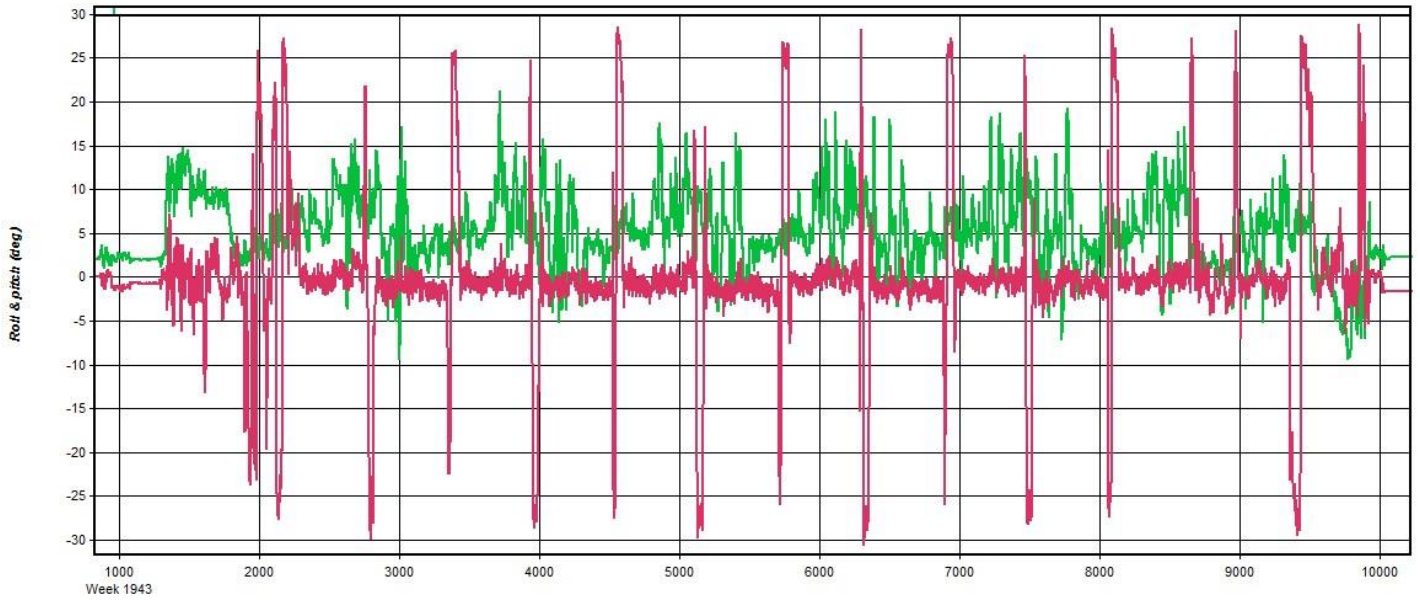


GPS Time (TOW, GMT zone)



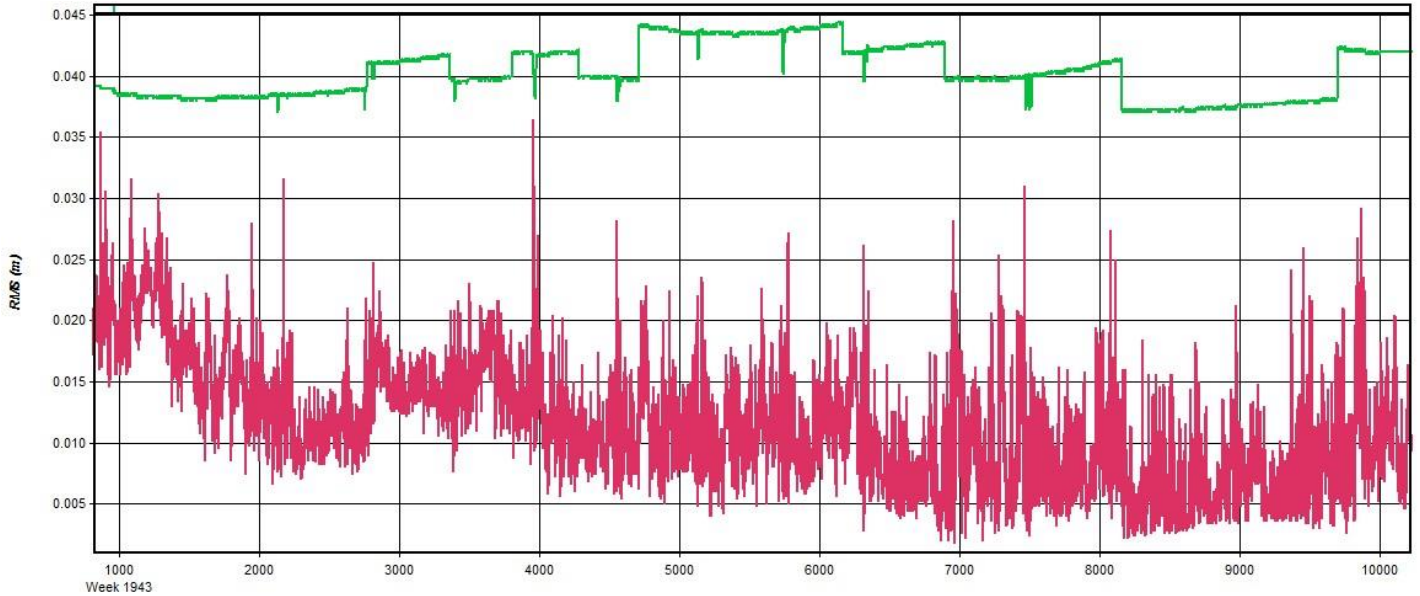
GPS Time (TOW, GMT zone)

— Float — Forward Fixed — Reverse Fixed — Fixed (2 or more)



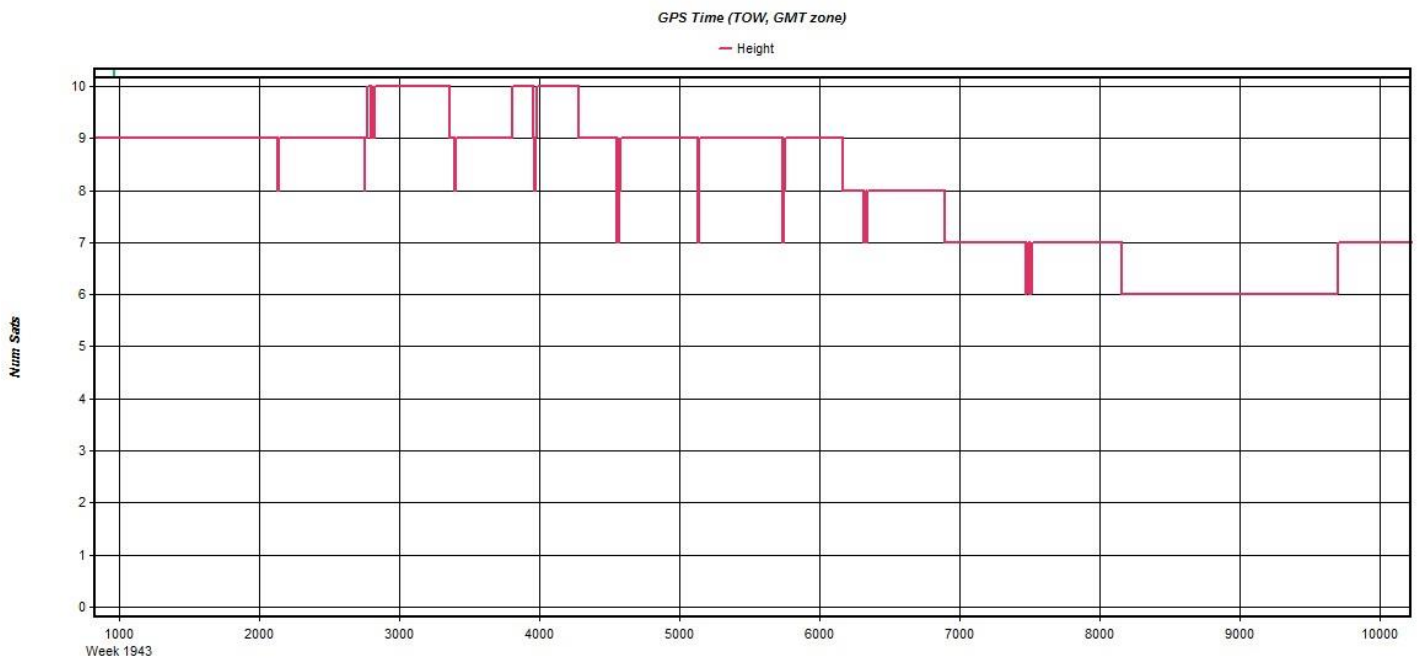
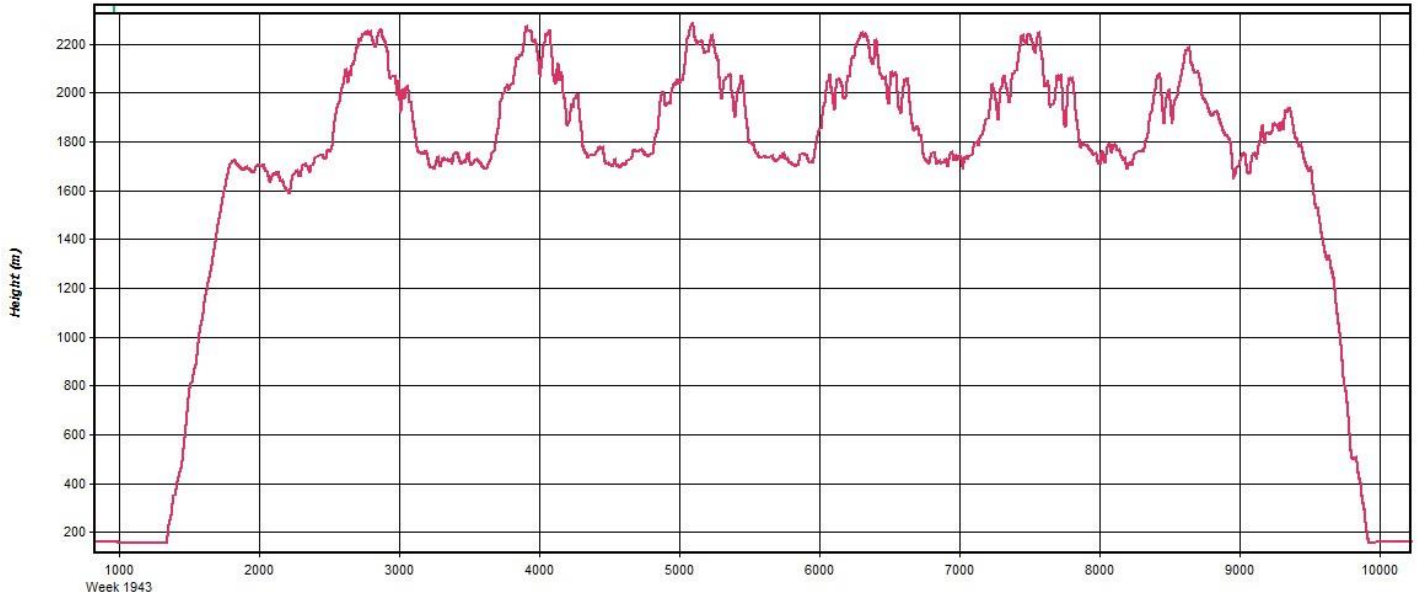
GPS Time (TOW, GMT zone)

— Roll — Pitch



GPS Time (TOW, GMT zone)

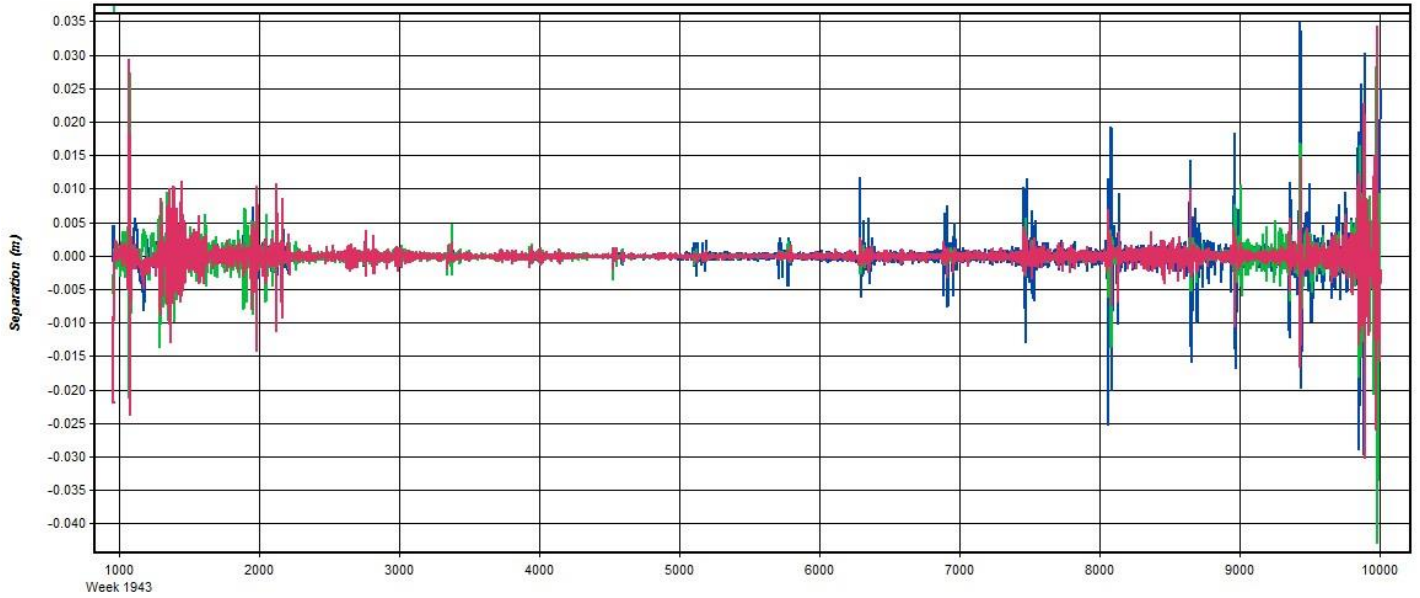
— RMS — SD



GPS Time (TOW, GMT zone)

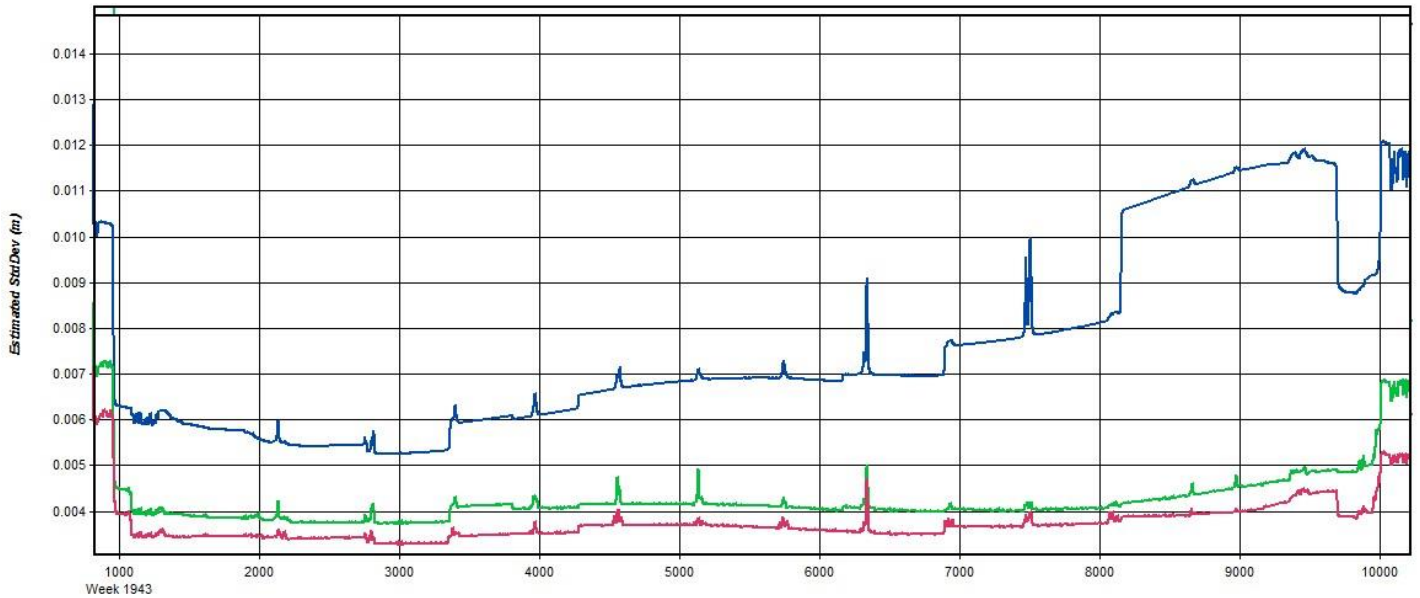
— Height

— Num Sats — GPS — GLONASS — BeiDou — Galileo — QZSS



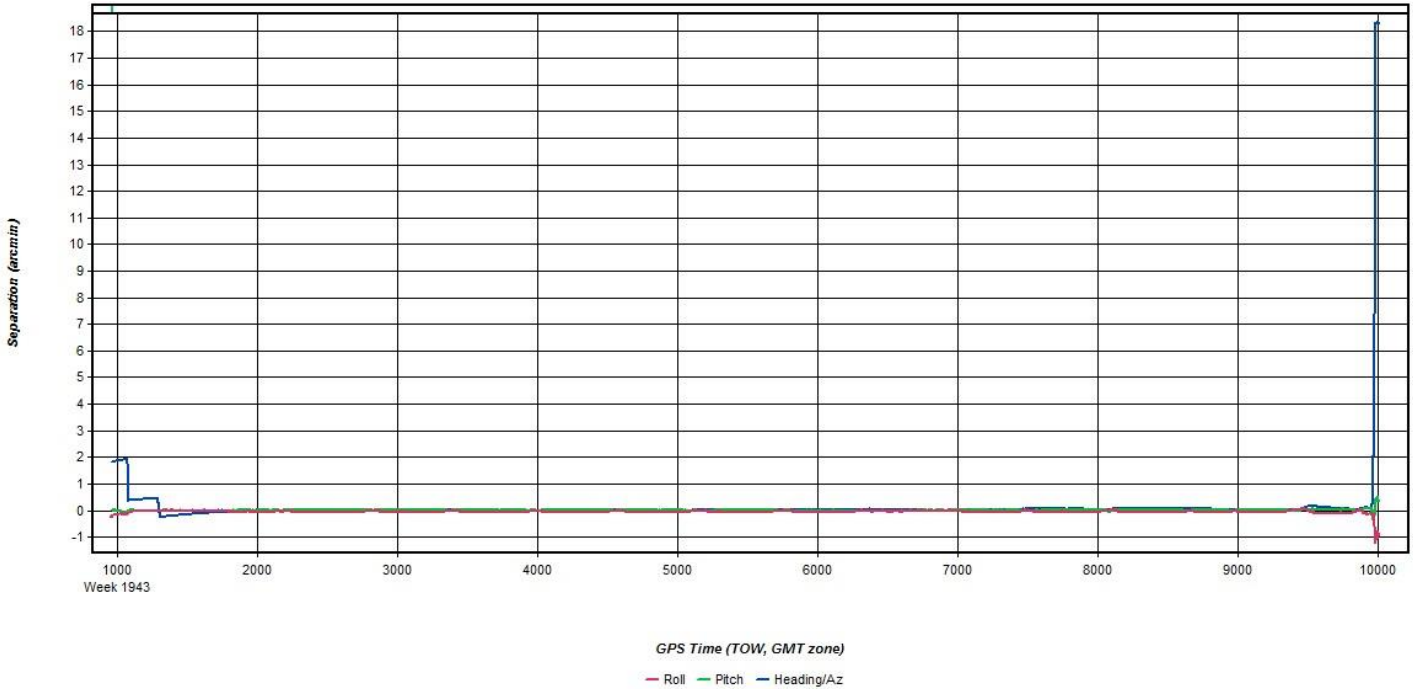
GPS Time (TOW, GMT zone)

— East — North — Up



GPS Time (TOW, GMT zone)

— East — North — Height



GPS Time (TOW, GMT zone)

— Roll — Pitch — Heading/Az

Coordinate/Antenna Settings ? X

Master Remote

Base Station

1: HOPB Name: HOPB Disabled

File: E:\Proc\29724_Mendocino\Drew_Johnston_4-14-17\20170402_00'

Coordinates

Latitude: North 38 59 42.65284 Coord. options

Longitude: West 123 04 28.96773 Save to Favorites

Ellipsoidal height: 353.835 m

Datum: WGS84 Proc Datum: WGS84

Epoch: year

Antenna Height

From station file: TPSCR.G3, SCIT View STA File

Antenna profile: TPSCR.G3, SCIT Info

Measured height: 0.133 m

ARP to L1 offset: 0.087 m

Applied height: 0.220 m

Measured to

ARP

L1 Phase Centre

Compute From Slant

OK Cancel

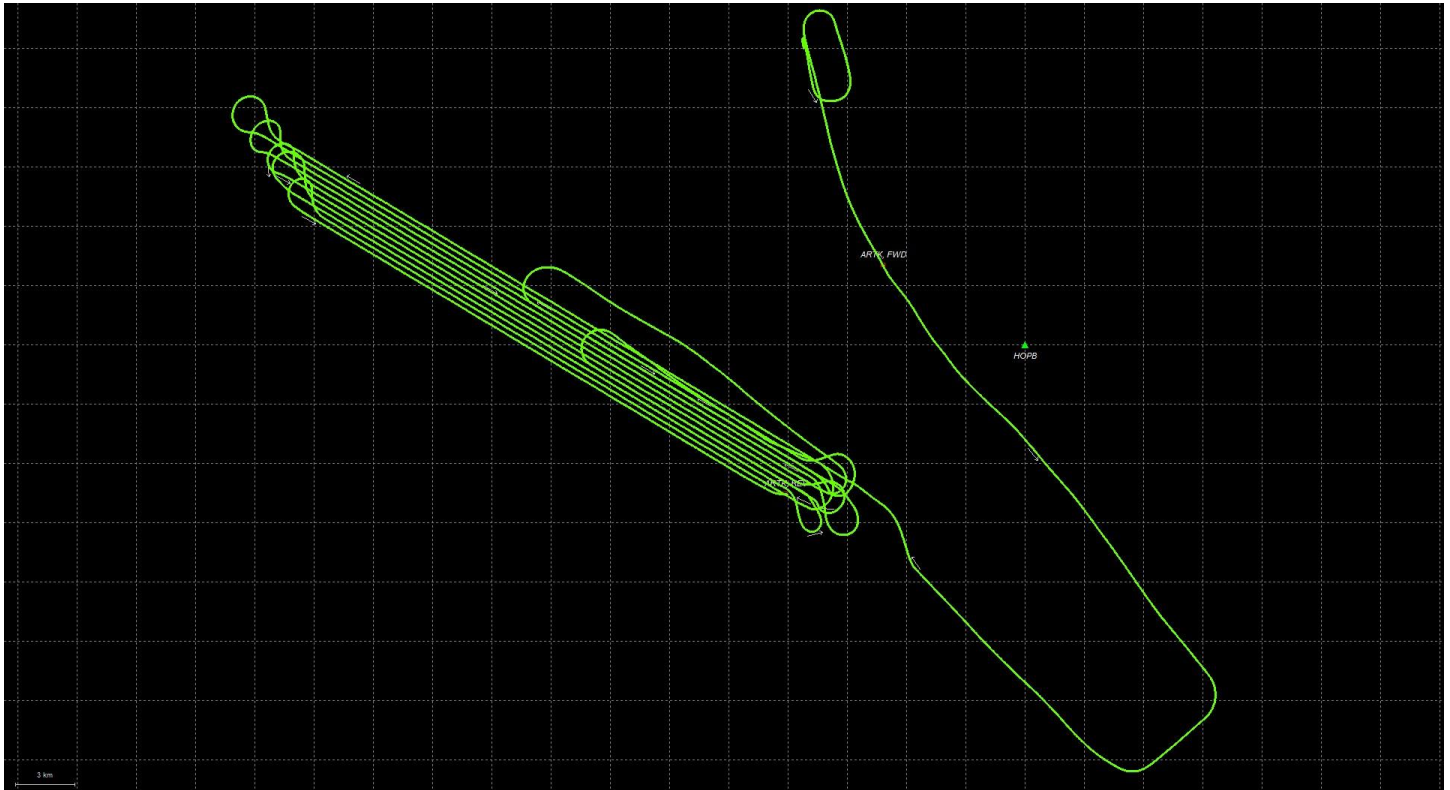
Flight Log

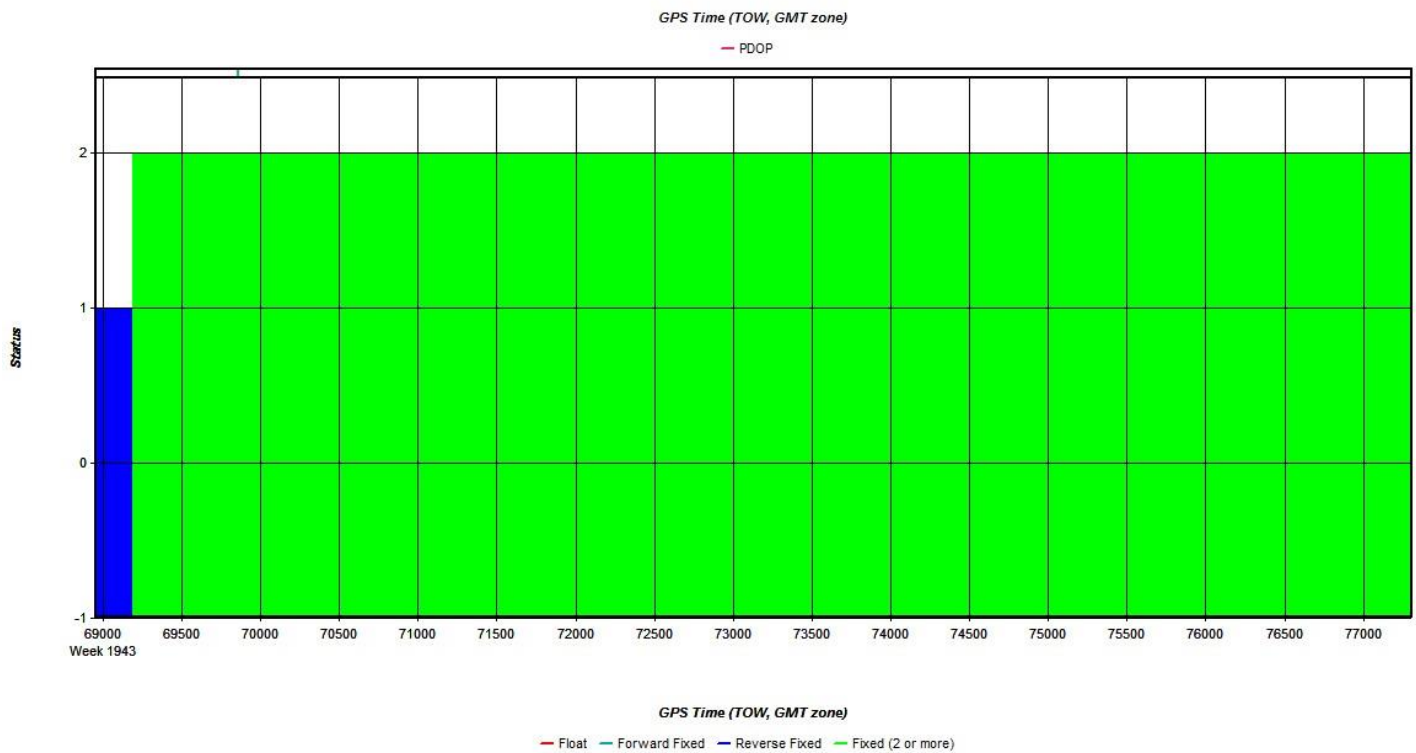
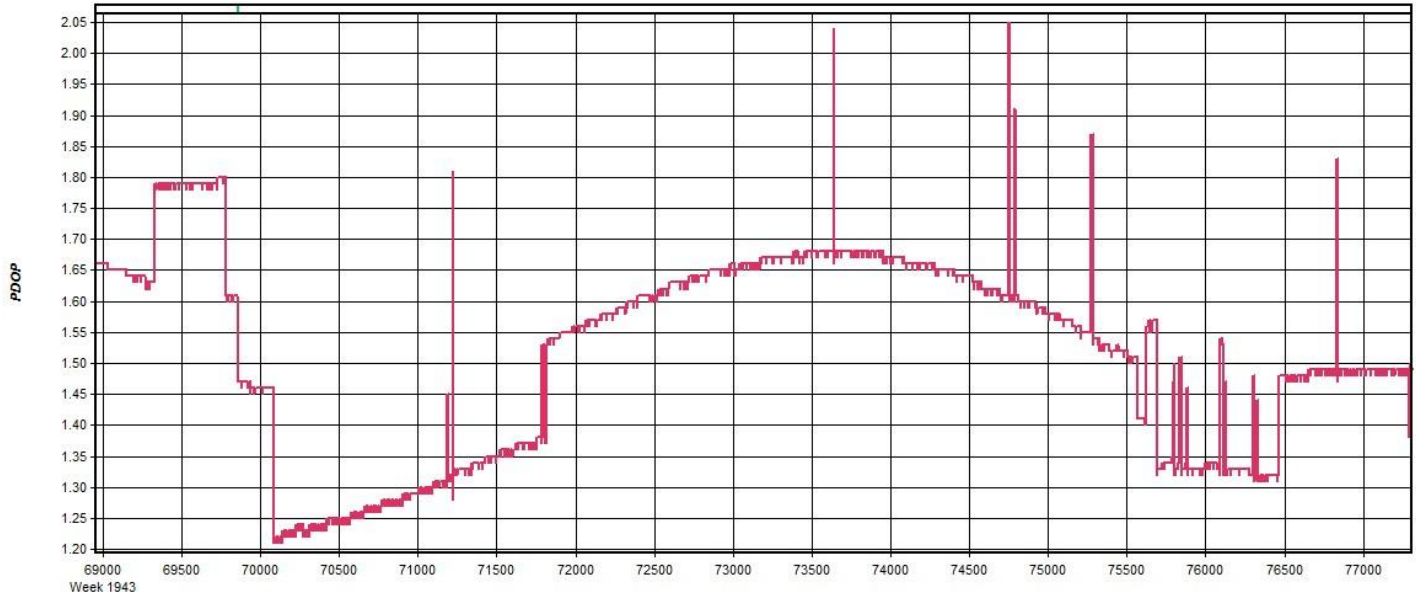
Date: 4/2/2017		Aircraft: 208NR		Sensor: 8239	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File:					
Pilot:			Sensor Operator:		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

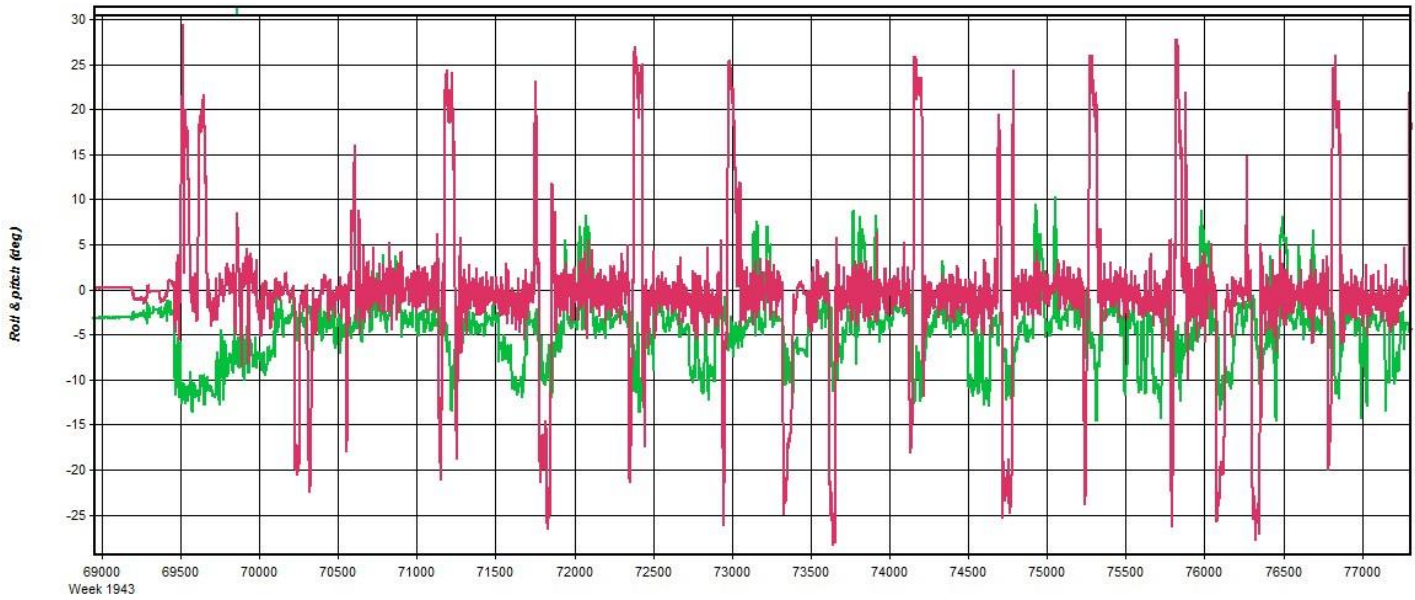
Flt Mgmt File:

Name	AltStart	TimeStrt	TimeEnd
382	1545.689087	0:37	0:45
383	1435.684204	0:47	0:55
384	1565.172974	0:57	1:05
385	1485.713013	1:06	1:15
386	1606.969116	1:16	1:24
387	1512.218262	1:26	1:34
388	1482.829224	1:36	1:44
389	1506.722656	1:46	1:54
390	1487.932007	1:56	2:04
391	1625.592773	2:05	2:14
392	1524.144897	2:15	2:23
UL001	1557.883179	2:29	2:35

Apr 2, 2017-A (N704MD, SN8121)

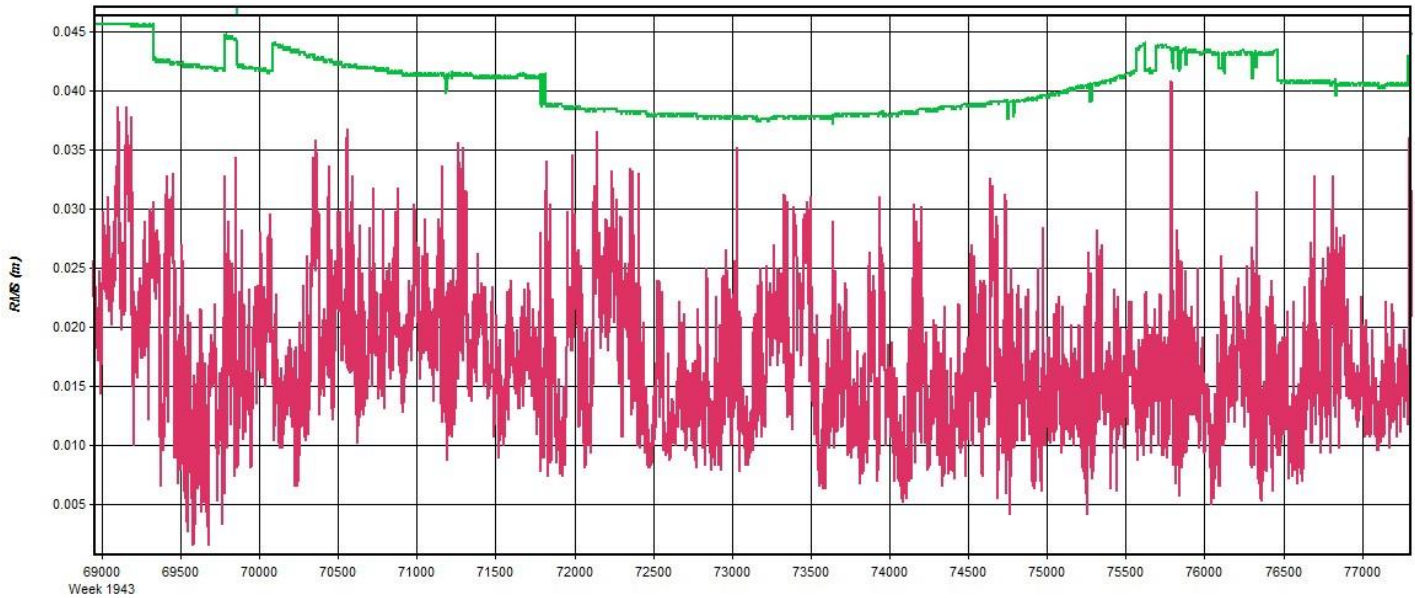






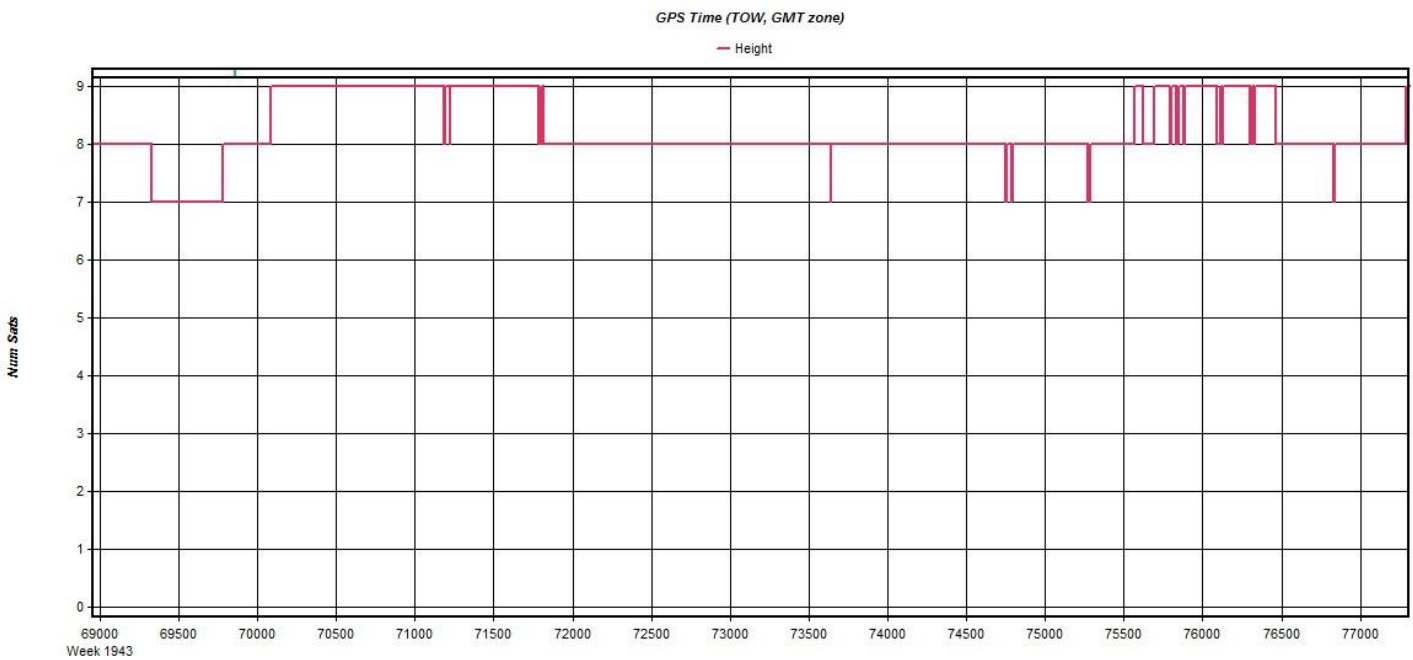
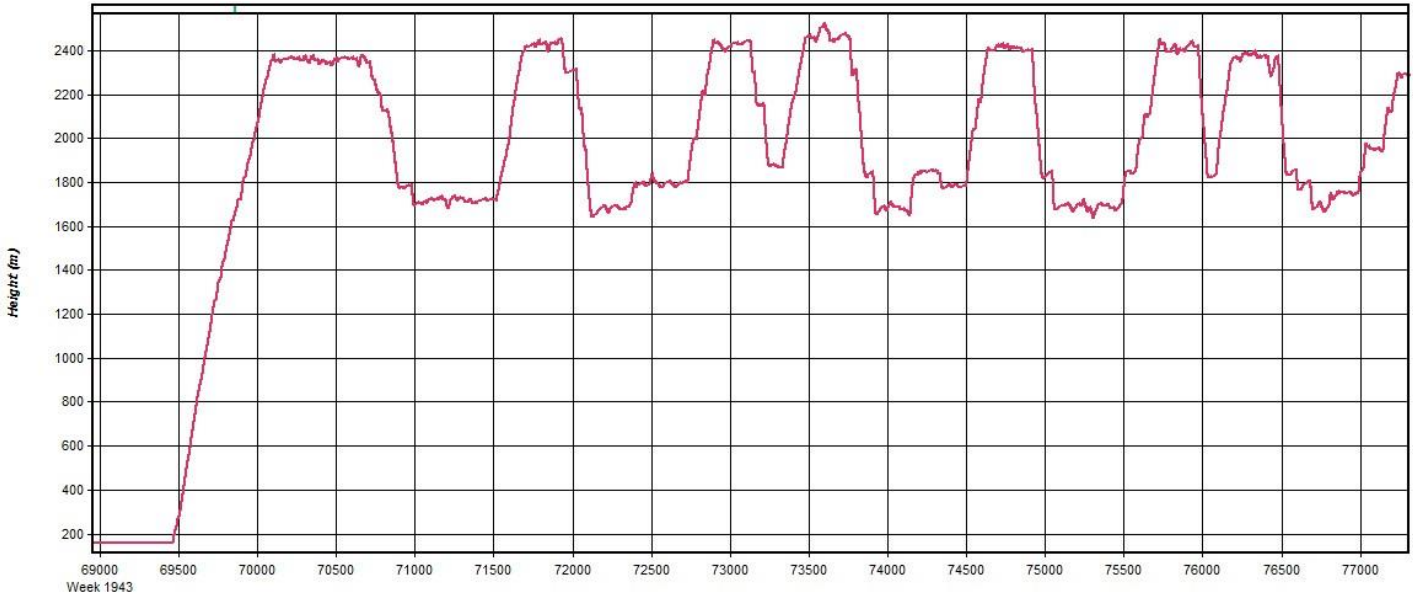
GPS Time (TOW, GMT zone)

— Roll — Pitch



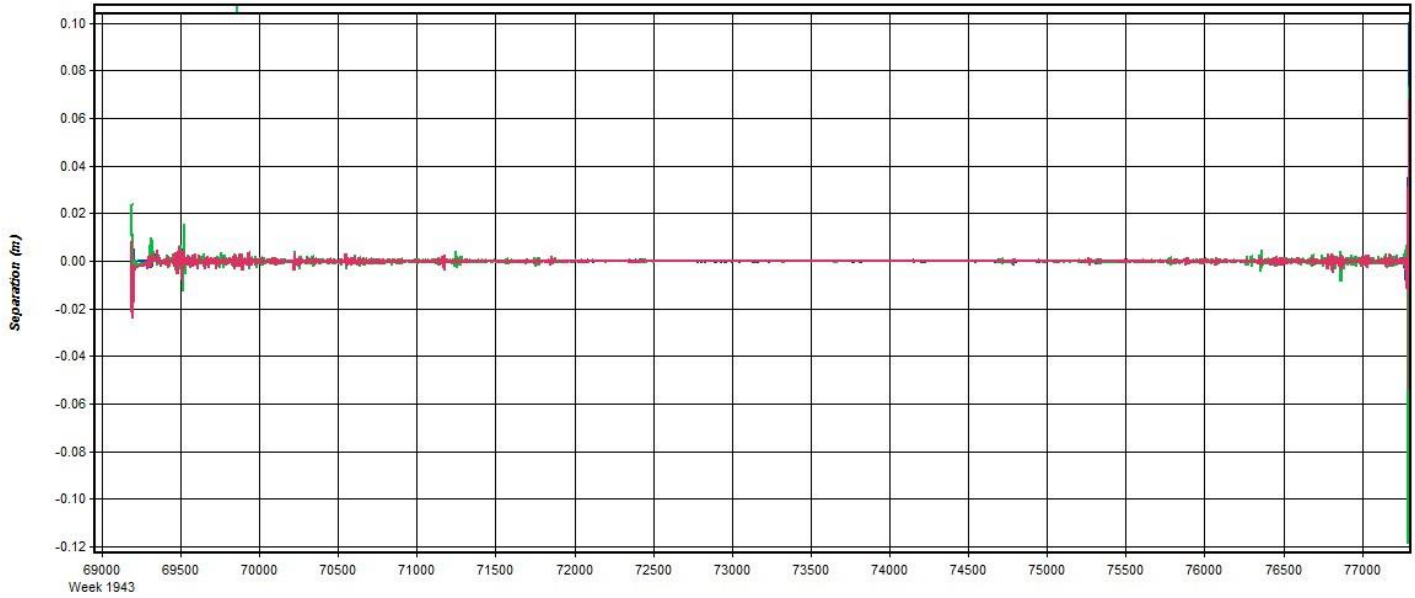
GPS Time (TOW, GMT zone)

— RMS — SD



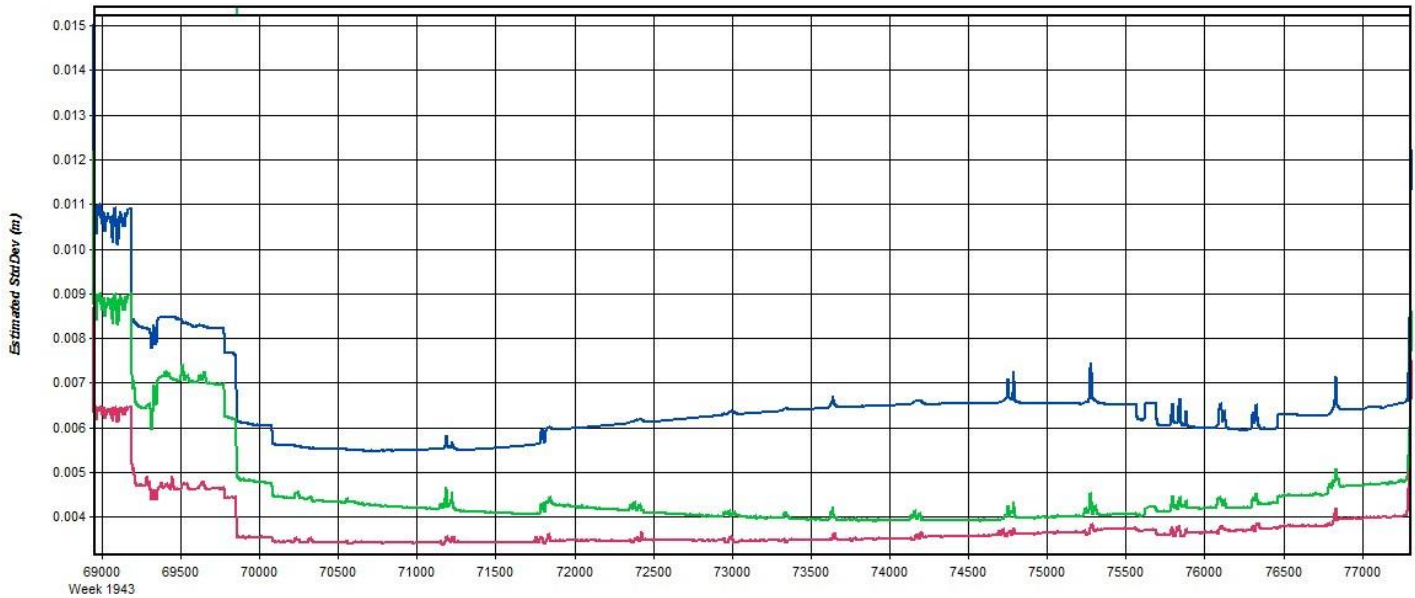
GPS Time (TOW, GMT zone)

— Num Sats — GPS — GLONASS — BeiDou — Galileo — QZSS



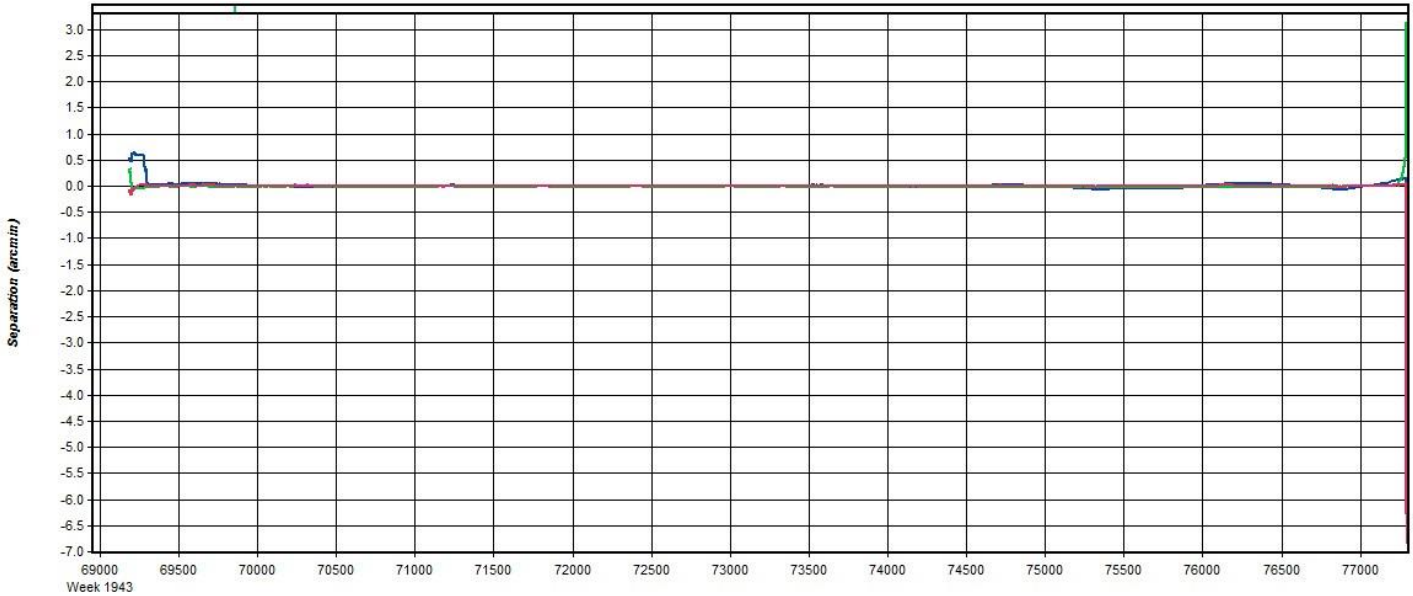
GPS Time (TOW, GMT zone)

— East — North — Up



GPS Time (TOW, GMT zone)

— East — North — Height



GPS Time (TOW, GMT zone)

— Roll — Pitch — Heading/Az

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: HOPB Name: HOPB Disabled
 File: E:\29724_Mendocino\Justin_Maxey_4-4-17\20170402_SN8121_Me

Coordinates
 Latitude: North 38 59 42.65284 Coord. options
 Longitude: West 123 04 28.96773 Save to Favorites
 Ellipsoidal height: 353.835 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TPSCR.G3, SCIT View STA File
 Antenna profile: TPSCR.G3, SCIT Info
 Measured height: 0.133 m
 ARP to L1 offset: 0.087 m
 Applied height: 0.220 m
 Measured to:
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 4/2/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Brian Butler			Sensor Operator: Justen Maxey		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up	8:30:00 AM				
Wheels Down	9:00:00 AM				
Begin Hobbs	11786.4				
End Hobbs	11787				
On-line Hobbs:			Mob Hobbs: 0.6		

Notes

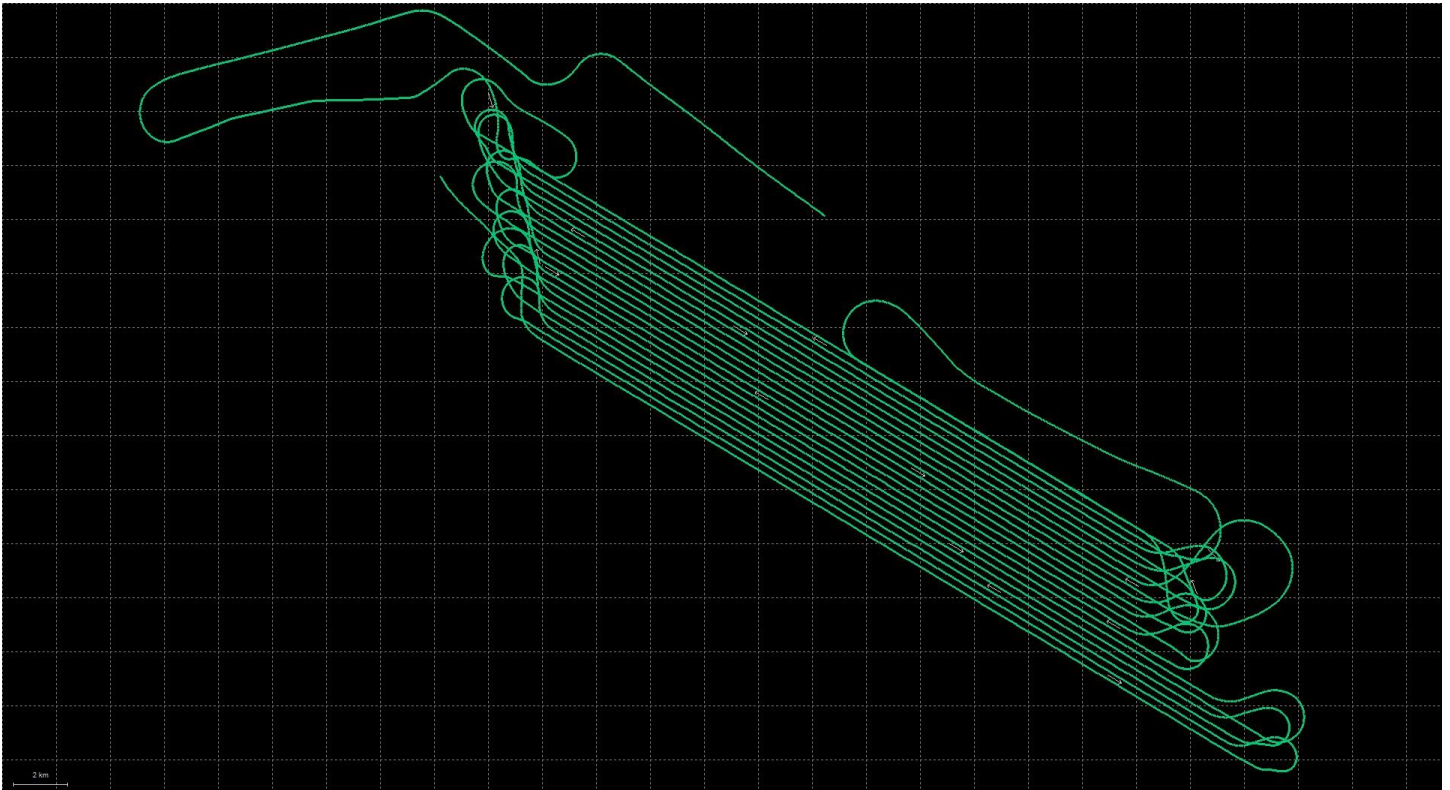
The first shift gave it a shot this am. Wheels up at 0830. It was clear everywhere except the aoi. Wheels down at 0900. Handed the plane over to the second shift.

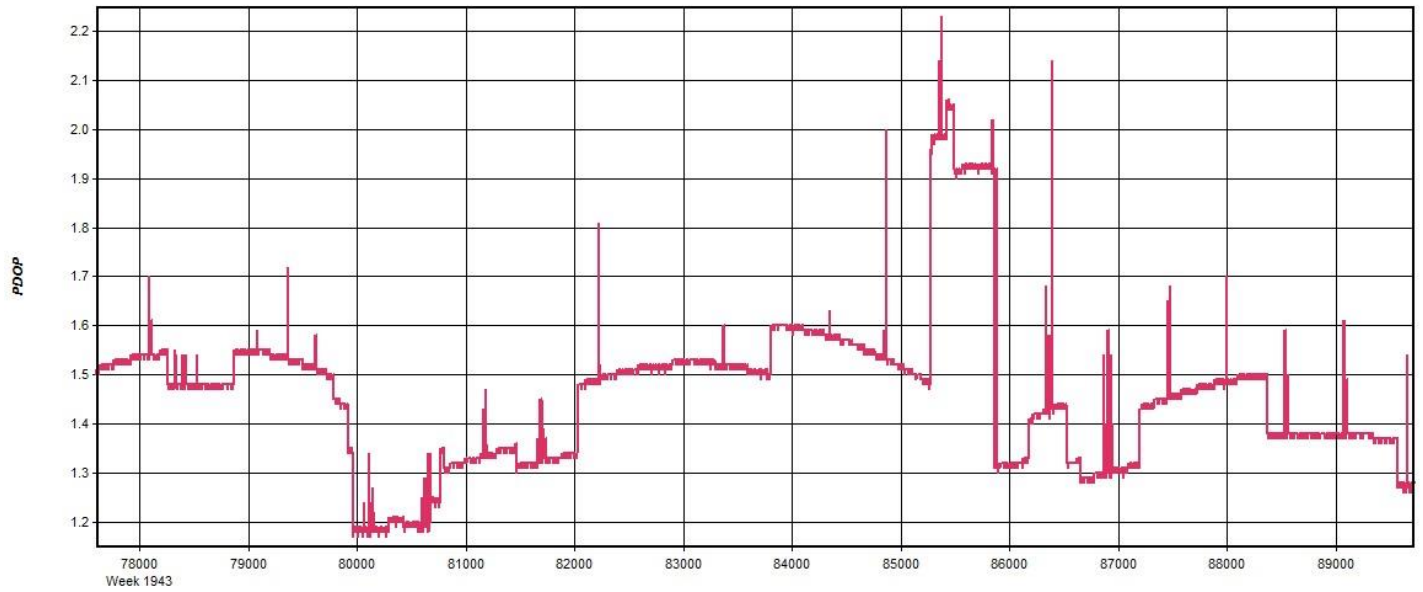
Flt Mgmt File: FAGL_Mendocino_SN8121

Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
415	2356.801 m	19:37:50	55.18735983	1725.449 m	19:45:10	55.38376606
416	1727.624 m	19:47:56	55.51512054	2428.959 m	19:55:30	55.97577236
417	2431.307 m	19:57:54	56.04967475	1680.813 m	20:05:17	56.06264871
418	1789.584 m	20:07:48	56.10864395	2426.607 m	20:15:14	56.31076773
417	2435.348 m	20:17:50	56.30752891	1867.280 m	20:21:43	56.22142150
419	2453.940 m	20:27:54	56.21319447	1668.514 m	20:35:04	55.95128172
420	1846.919 m	20:37:14	55.89453033	2407.531 m	20:44:28	55.72173637
421	2413.596 m	20:46:41	55.62682067	1696.339 m	20:53:34	55.22030200
422	1694.296 m	20:55:49	55.10070778	2395.024 m	21:02:46	54.72251734

421	2417.678 m	21:04:43	54.58633029	1825.546 m	21:07:33	54.36764805
423	2375.328 m	21:12:45	53.98849824	1669.950 m	21:19:25	53.41032608
424	1749.774 m	21:21:21	53.24365007	2275.979 m	21:27:25	52.68726775

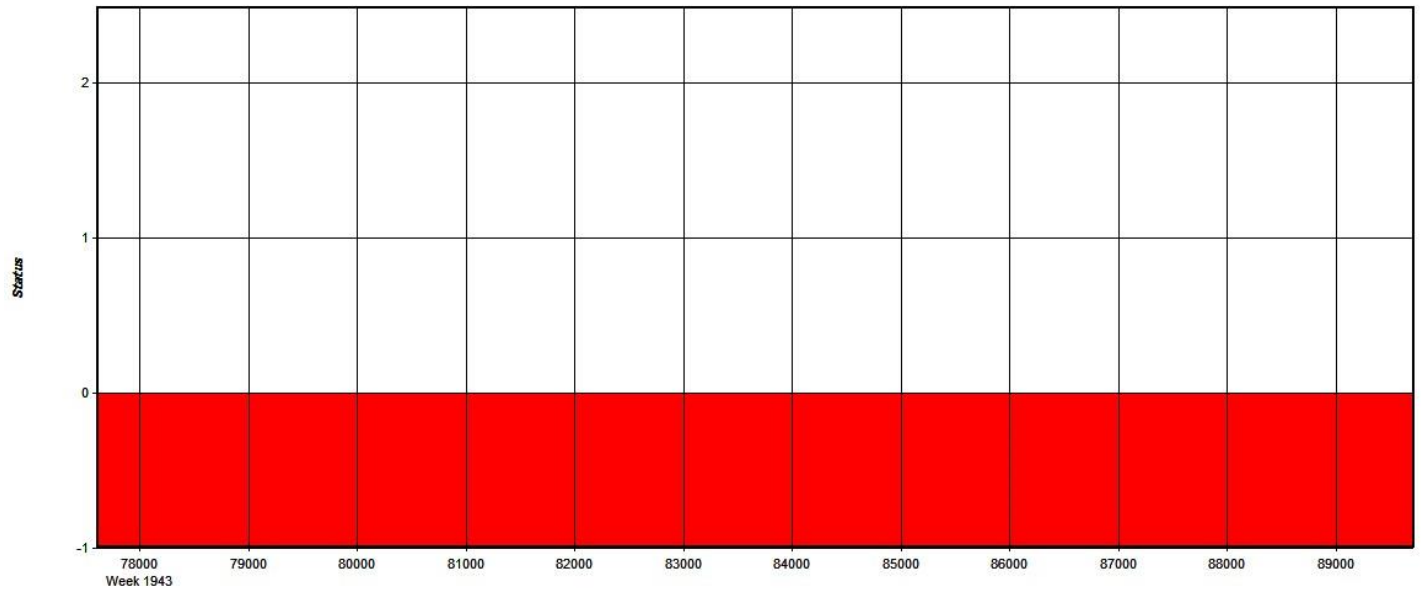
Apr 2, 2017-B (N704MD, SN8121)





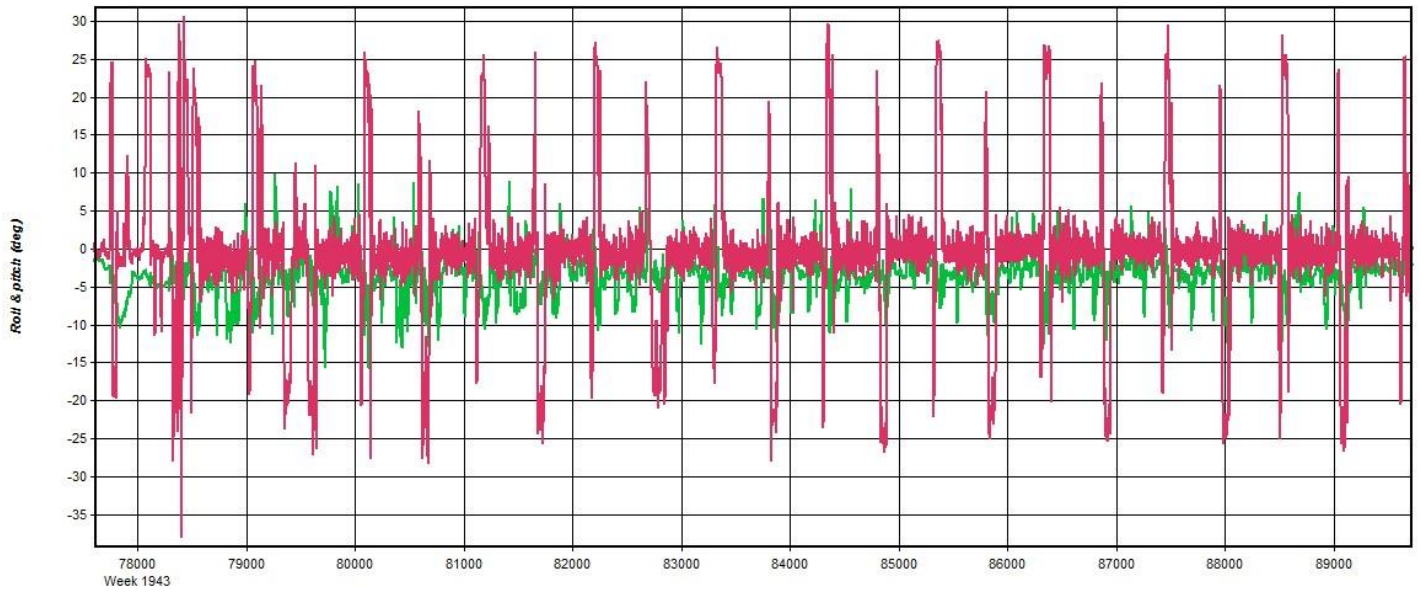
GPS Time (TOW, GMT zone)

— PDOP



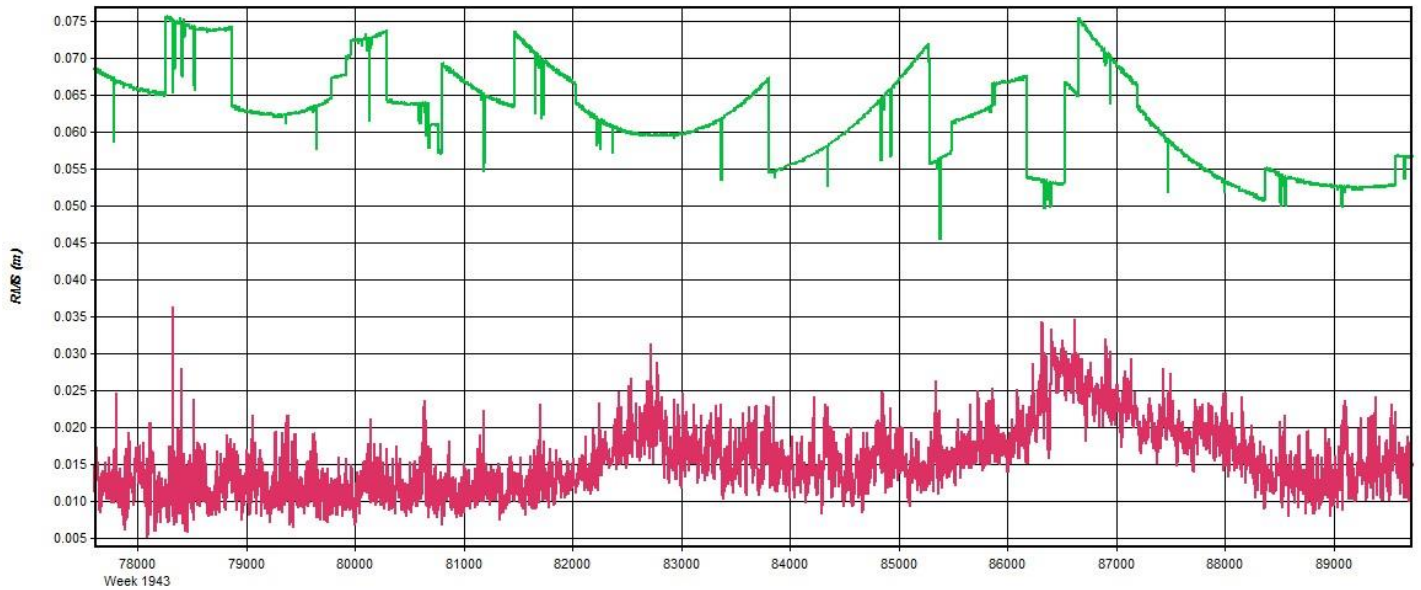
GPS Time (TOW, GMT zone)

— Float — Forward Fixed — Reverse Fixed — Fixed (2 or more)



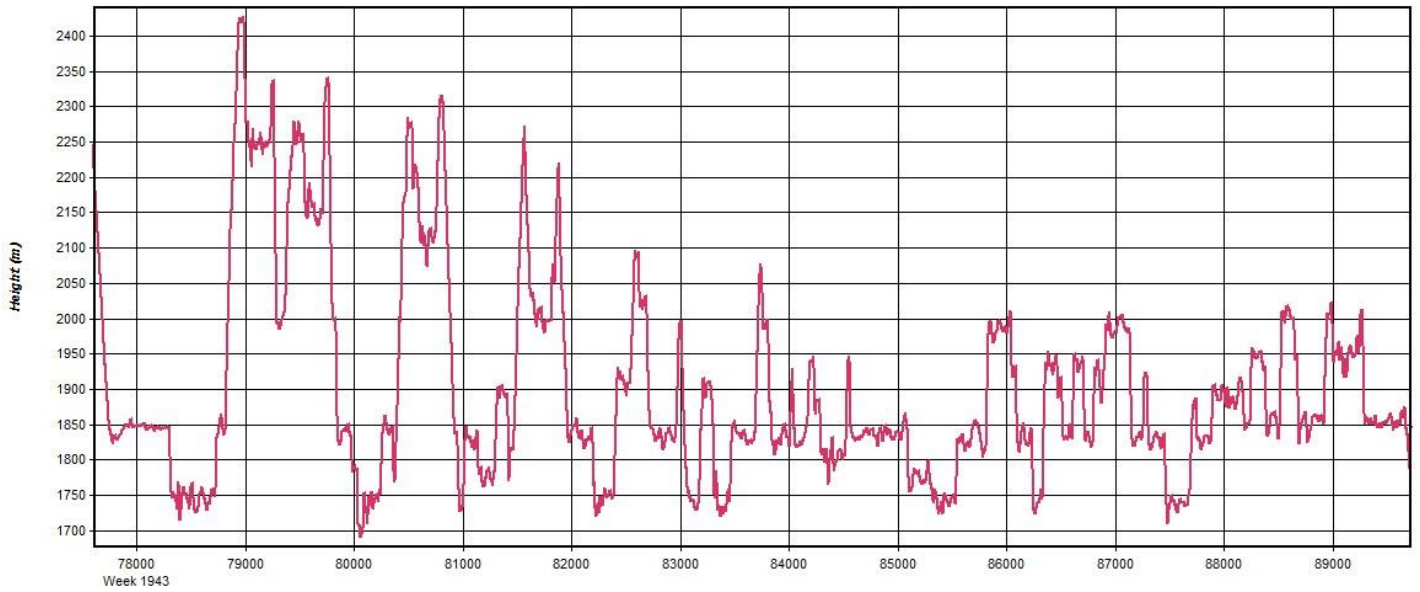
GPS Time (TOW, GMT zone)

Roll Pitch



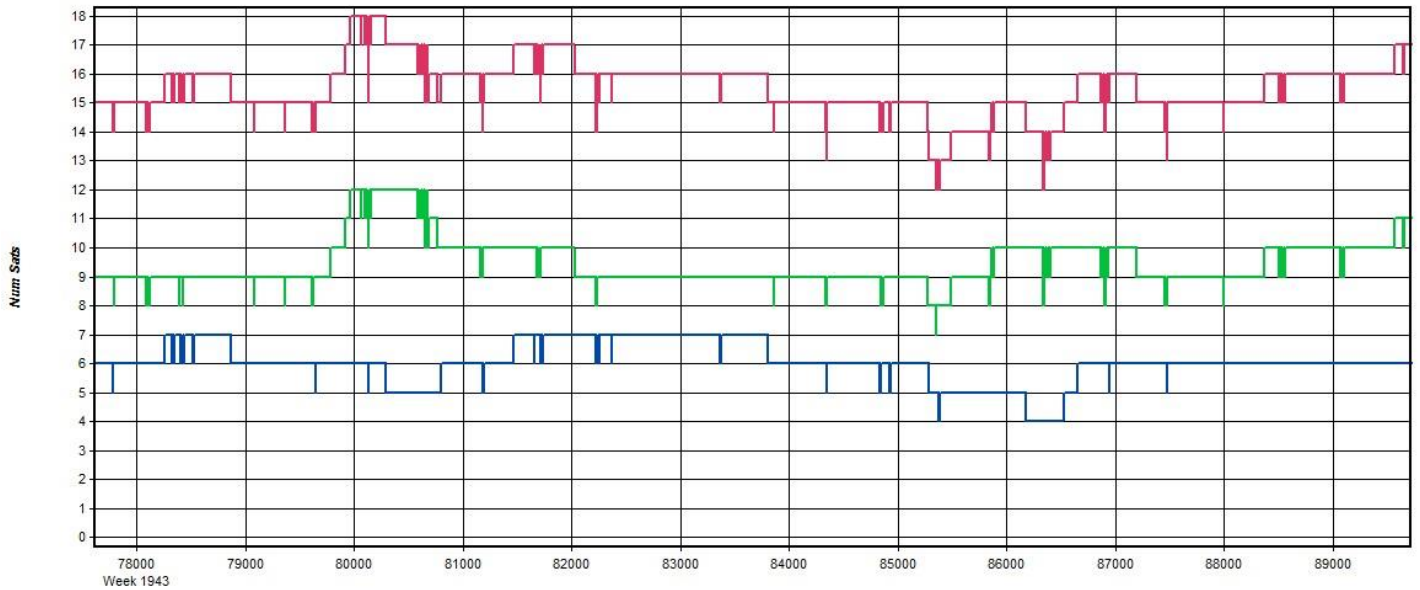
GPS Time (TOW, GMT zone)

RMS SD



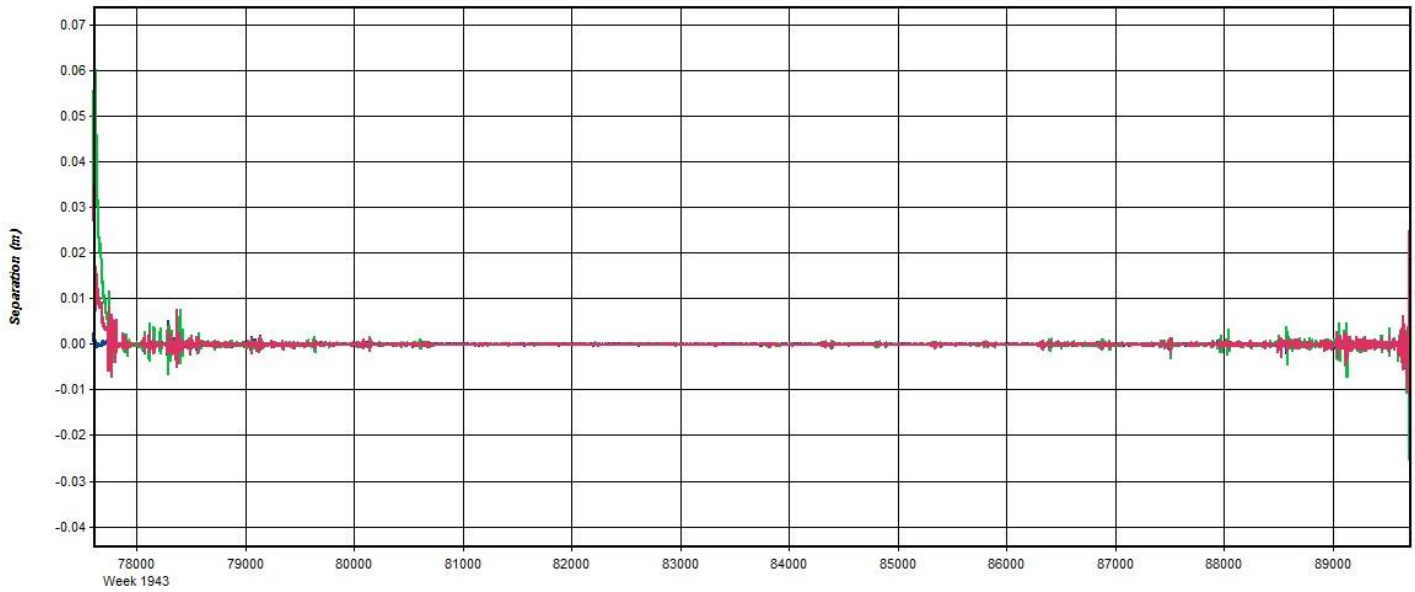
GPS Time (TOW, GMT zone)

— Height



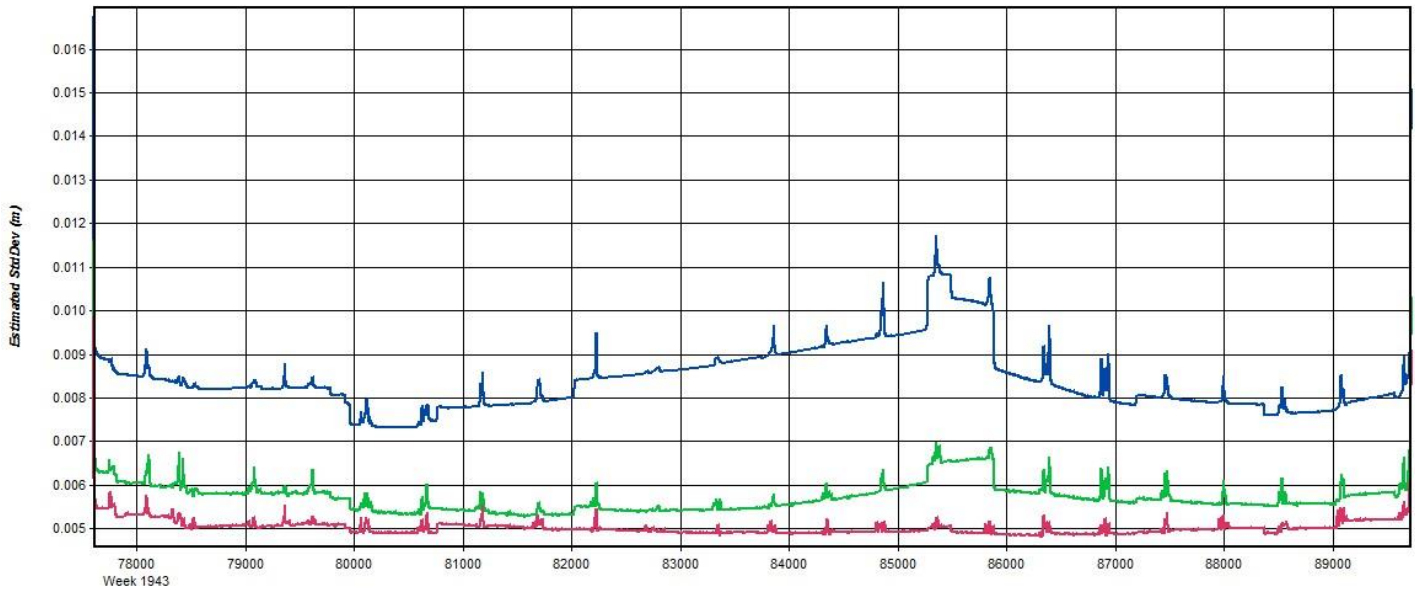
GPS Time (TOW, GMT zone)

— Num Sats — GPS — GLONASS — BeiDou — Galileo — QZSS



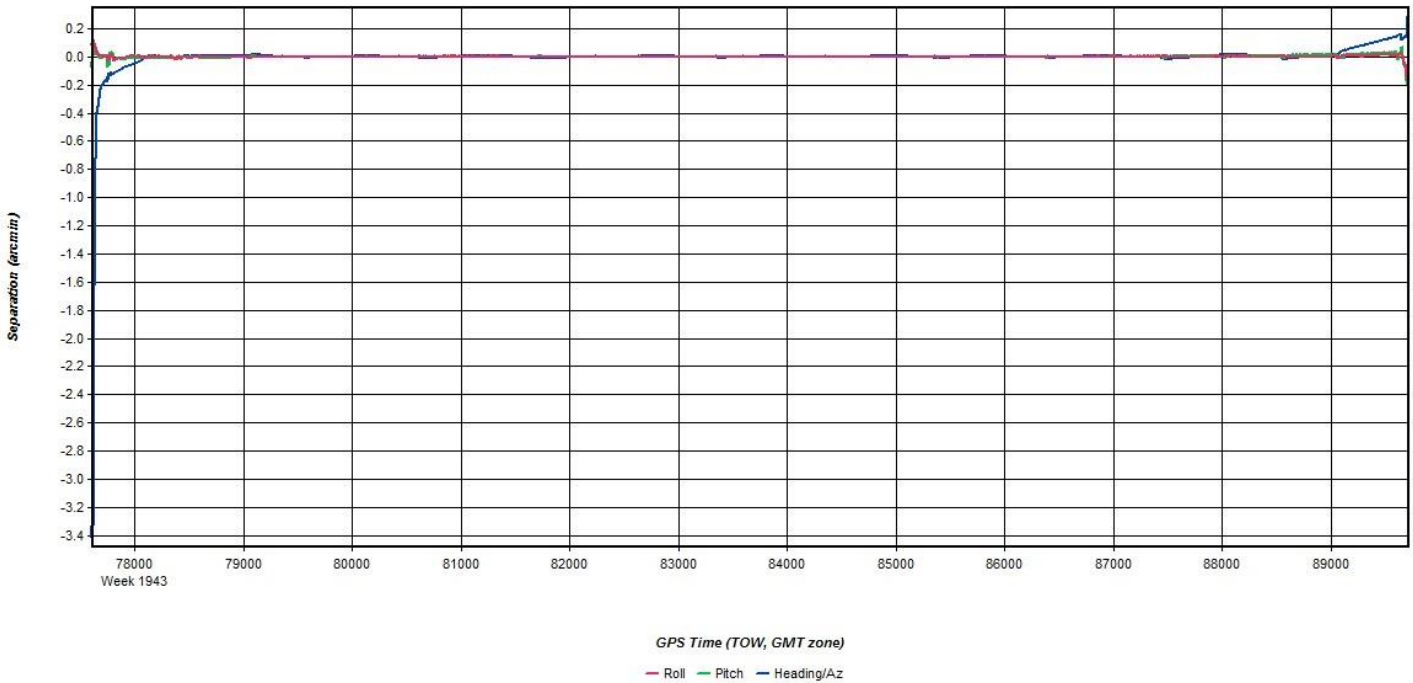
GPS Time (TOW, GMT zone)

— East — North — Up



GPS Time (TOW, GMT zone)

— East — North — Height



Flight Log

Date: 4/2/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Dave Wagner			Sensor Operator: Aaron Mallon		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up		12:05:00 PM			
Wheels Down		6:05:00 PM			
Begin Hobbs		1787			
End Hobbs		1792.7			
On-line Hobbs: 5			Mob Hobbs: 0.3		

Notes

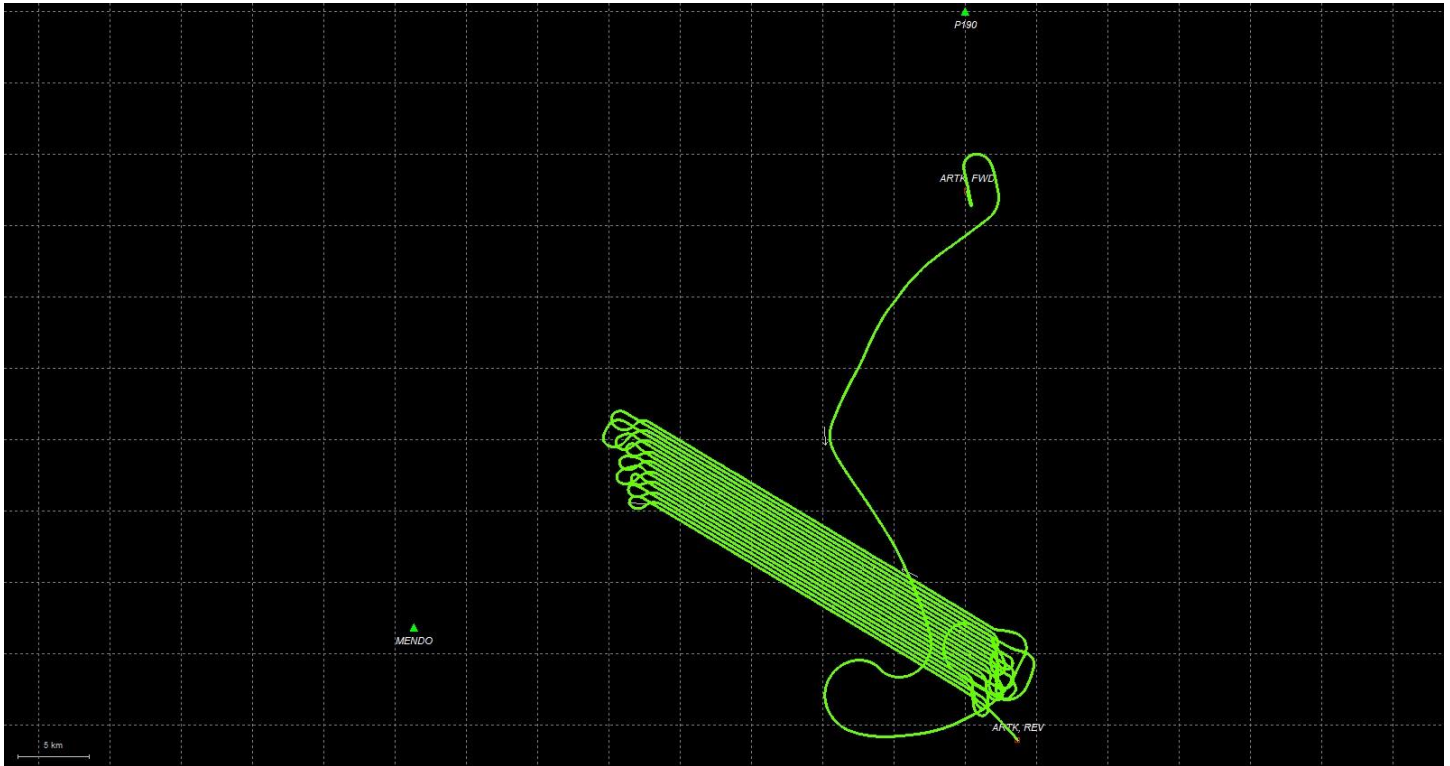
Once the fog lifted Dave Wagner and I had wheels up at 1215 and completed lines 415-442.

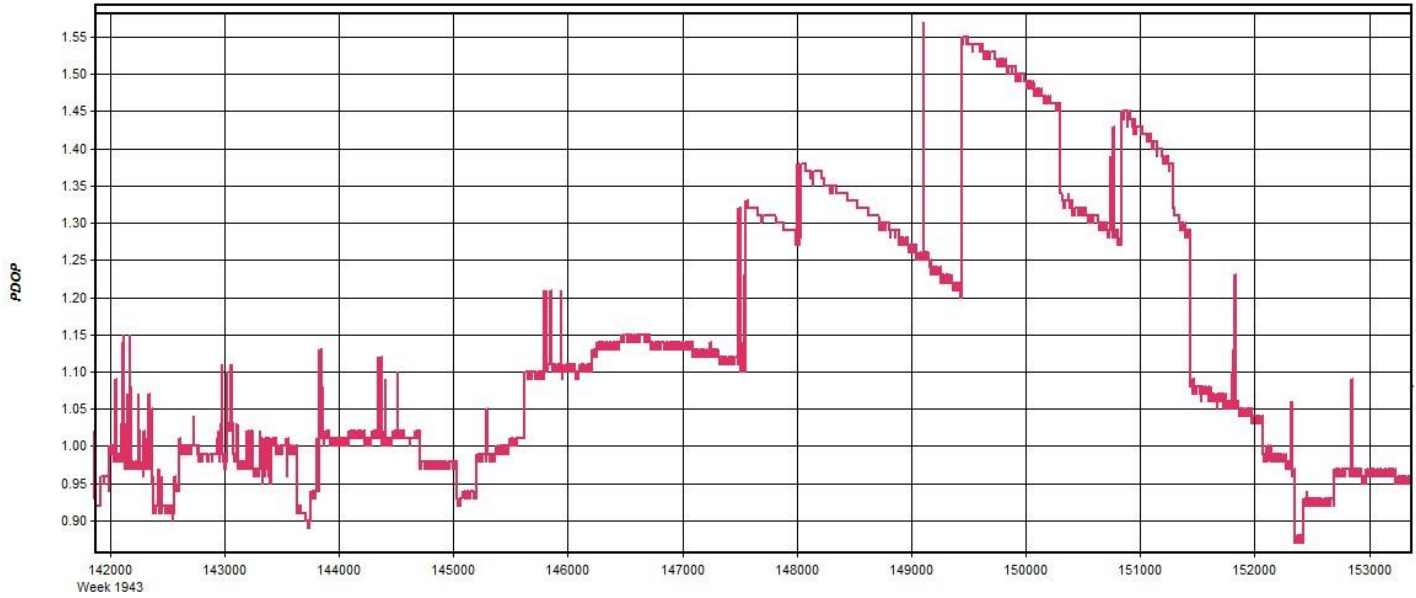
Flt Mgmt File: FAGL_Mendocino_SN8121

Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
424	1724.894 m	21:46:27	50.66777555	1757.849 m	21:46:47	50.62814874
424	1752.652 m	21:49:47	50.27855448	2276.571 m	21:56:36	49.41168233
424	2239.921 m	21:59:07	49.09217211	2002.389 m	22:02:08	48.72296060
425	2131.331 m	22:07:22	48.01036985	1690.610 m	22:13:55	47.17219537
426	1739.320 m	22:16:04	46.87464749	2199.796 m	22:22:41	45.86479209
427	2108.312 m	22:25:05	45.51607107	1819.522 m	22:31:35	44.62591163
428	1771.971 m	22:33:57	44.27079100	2028.980 m	22:40:18	43.21088943
429	1994.983 m	22:42:44	42.83157860	1829.141 m	22:49:10	41.90474197
430	1743.504 m	22:51:12	41.58047156	2025.522 m	22:57:34	40.44536239
431	1841.297 m	23:01:22	39.81920476	1893.216 m	23:07:49	38.85087468
432	1734.651 m	23:10:05	38.47023964	1997.152 m	23:16:21	37.28738488
433	1821.724 m	23:18:25	36.93380193	1811.600 m	23:24:46	35.95308574
434	1792.673 m	23:26:39	35.62551434	1831.976 m	23:32:57	34.39145907
435	1833.856 m	23:35:21	33.96726093	1759.220 m	23:41:37	32.97813491
436	1753.129 m	23:43:30	32.64086449	1811.647 m	23:49:33	31.41453248
437	1995.604 m	23:51:58	30.97703666	1739.366 m	23:58:04	29.99963463
438	1928.932 m	00:00:18	29.59076490	1919.821 m	00:07:17	28.13657157
439	1981.362 m	00:09:35	27.71119543	1814.938 m	00:16:41	26.55836723
440	1739.172 m	00:18:38	26.19436265	1883.200 m	00:25:30	24.73075833
441	1888.294 m	00:27:38	24.32988752	1833.862 m	00:34:40	23.17846204
442	2002.000 m	00:36:34	22.81859190	1949.689 m	00:43:39	21.28419757
443	1952.122 m	00:45:38	20.90539771	1845.442 m	00:52:54	19.70765586

Apr 3, 2017-A

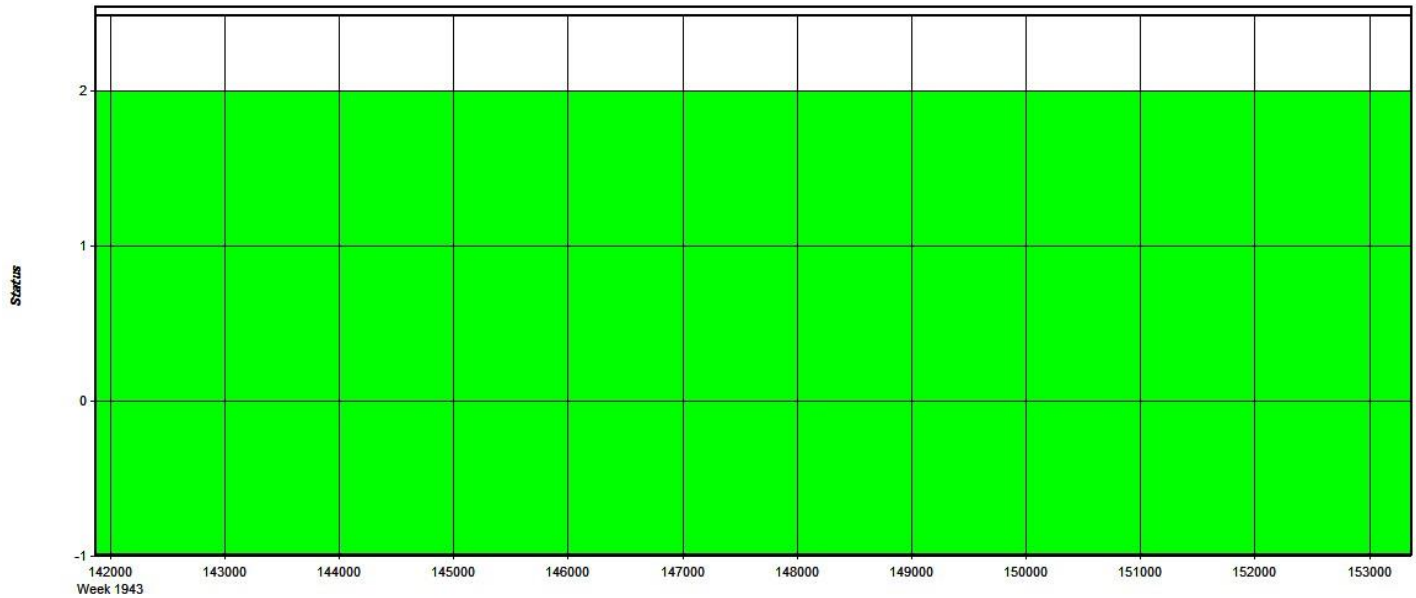
(N704MD, SN8121)





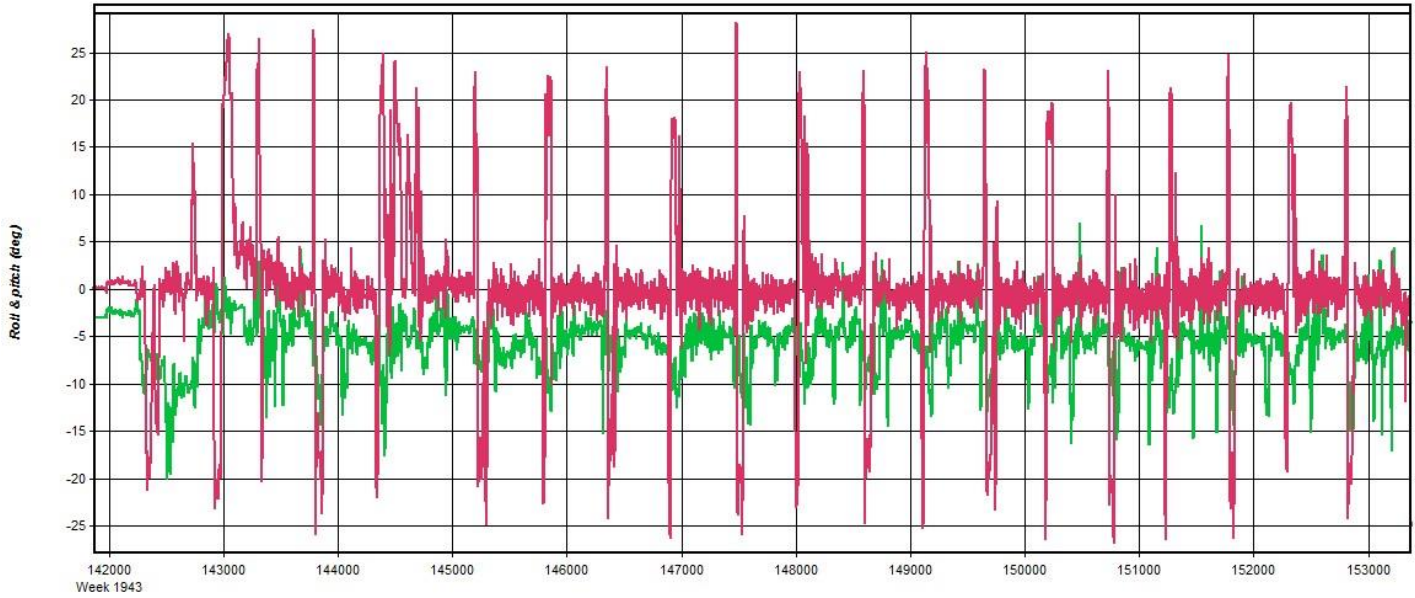
GPS Time (TOW, GMT zone)

— PDOP



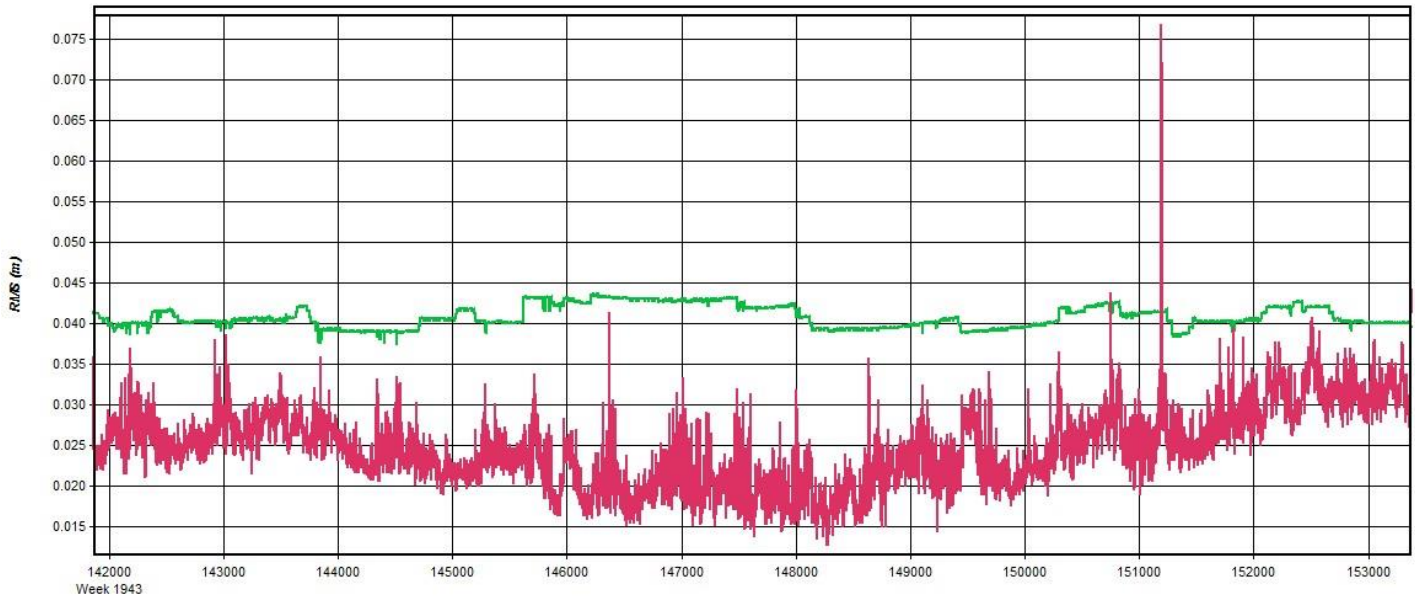
GPS Time (TOW, GMT zone)

— Float — Forward Fixed — Reverse Fixed — Fixed (2 or more)



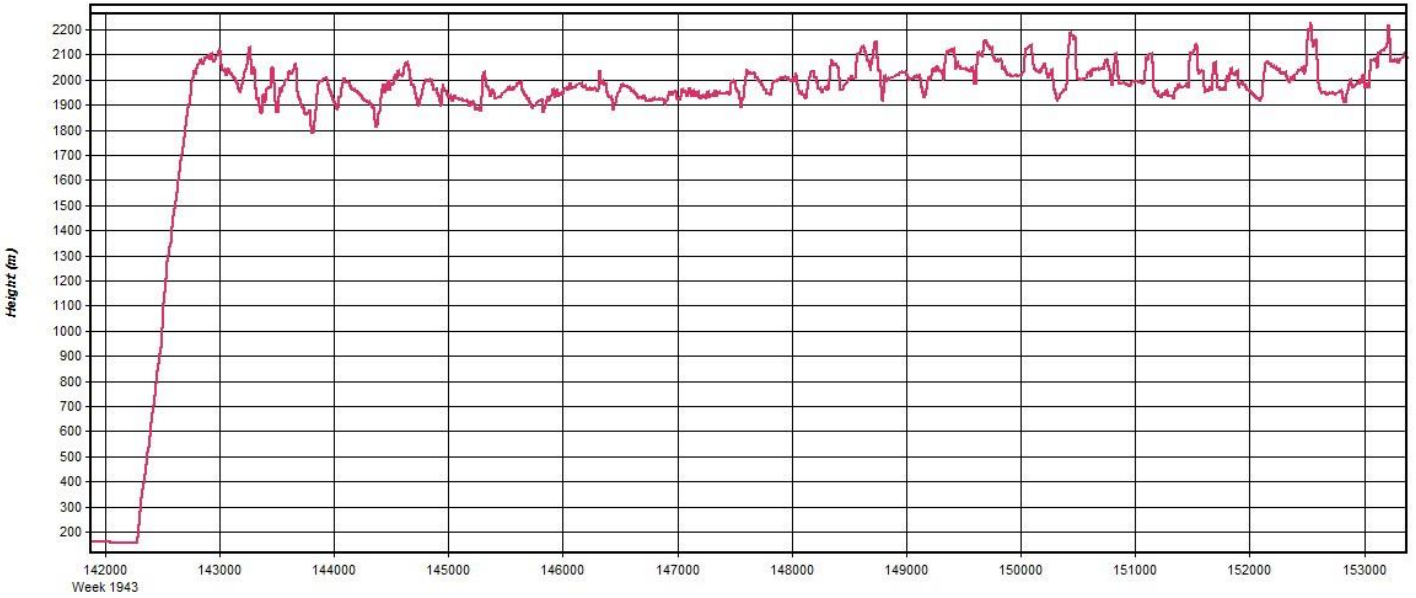
GPS Time (TOW, GMT zone)

— Roll — Pitch

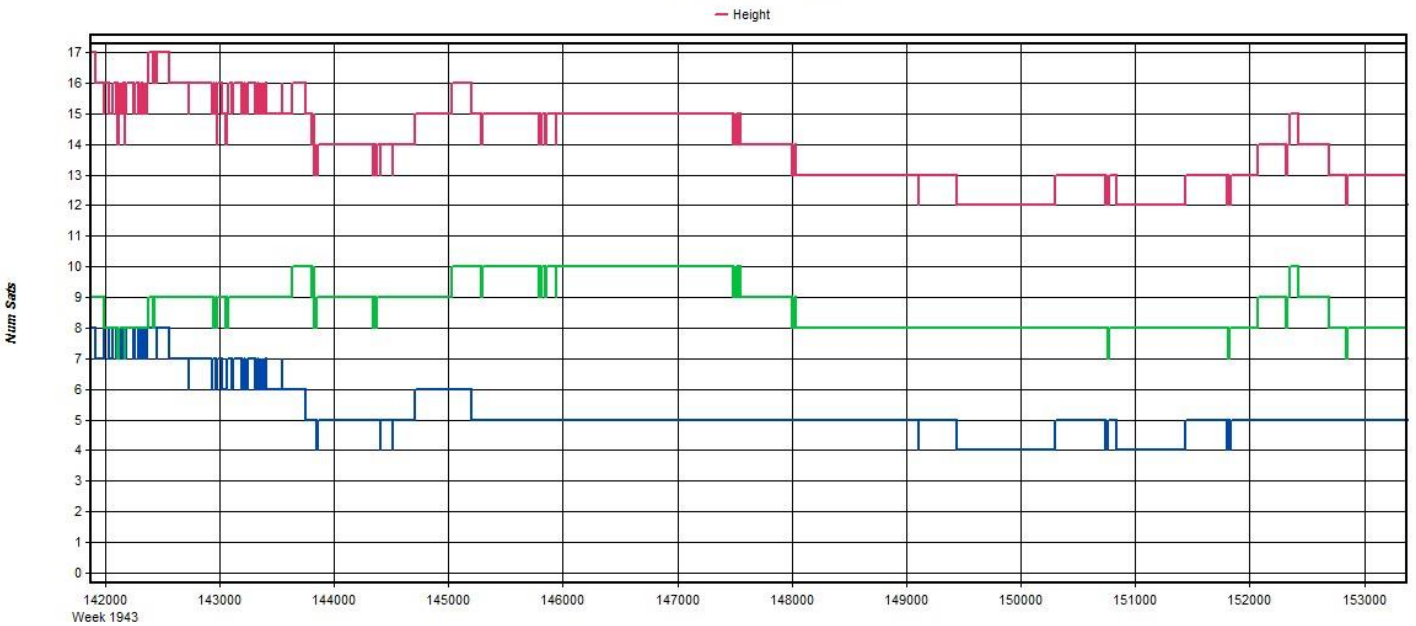


GPS Time (TOW, GMT zone)

— RMS — SD

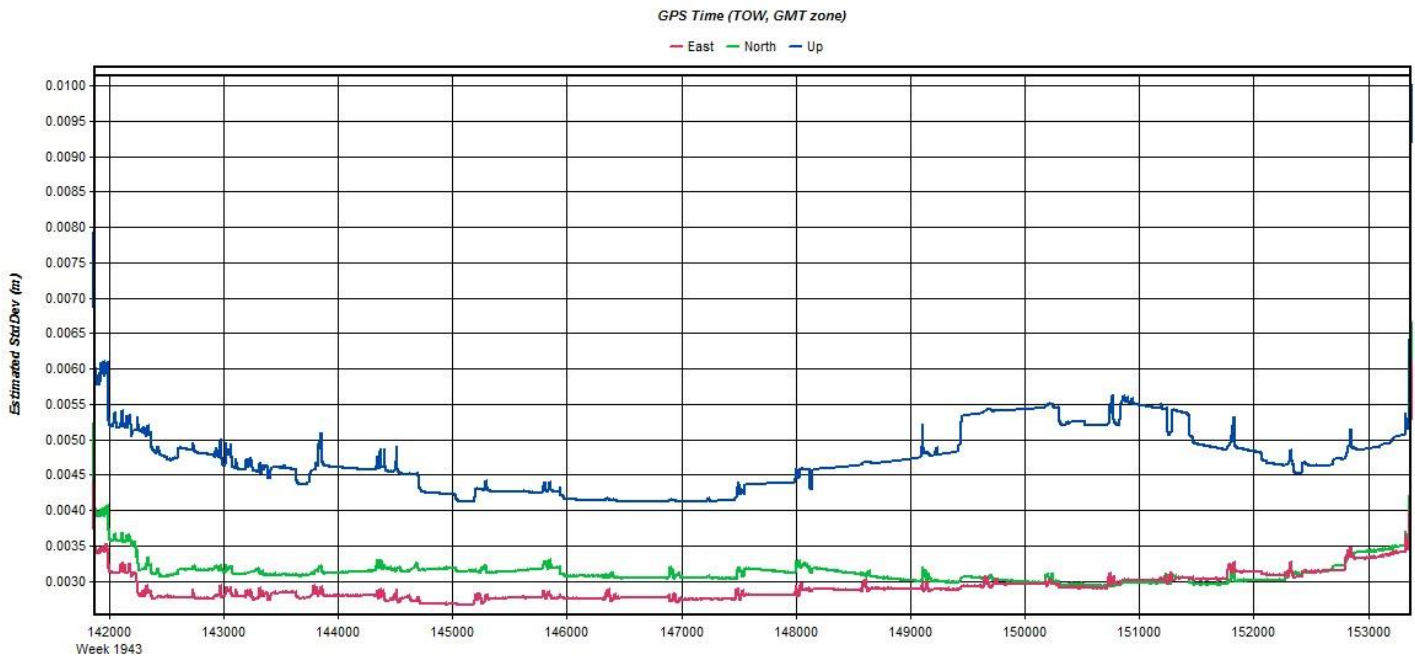
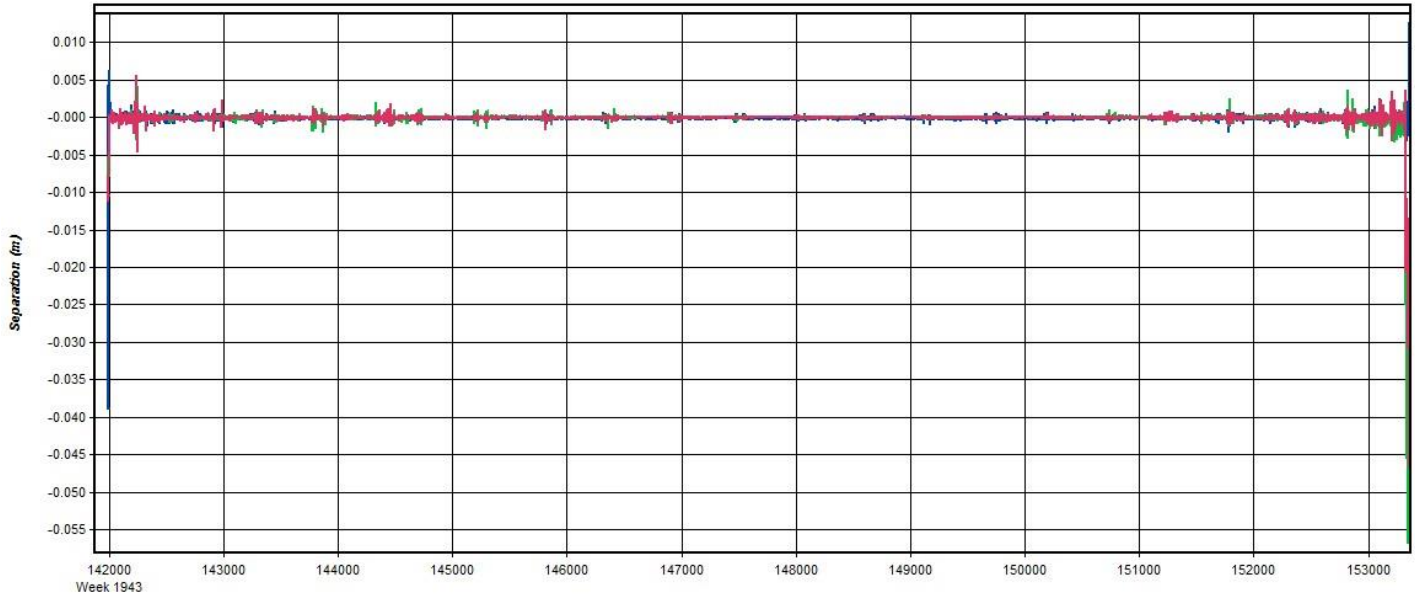


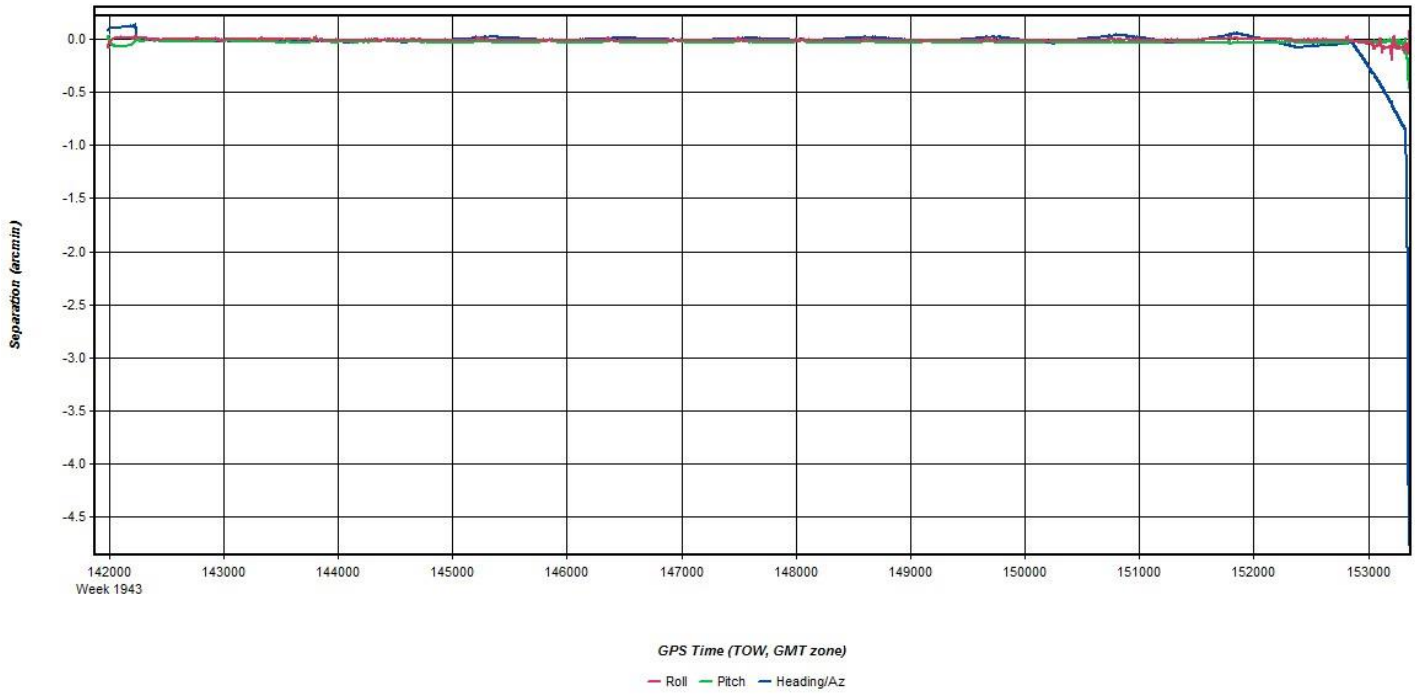
GPS Time (TOW, GMT zone)



GPS Time (TOW, GMT zone)

— Num Sats — GPS — GLONASS — BeiDou — Galileo — QZSS





Coordinate/Antenna Settings ? X

Master Remote

Base Station
 2: MENDO Name: MENDO Disabled
 File: E:\29724_Mendocino\29724_USGS_Mendocino\From_Andre_Samp

Coordinates
 Latitude: North 38 51 15.96981 Coord. options
 Longitude: West 123 39 03.95313 Save to Favorites
 Ellipsoidal height: -1.988 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 1.500 m
 ARP to L1 offset: 0.067 m
 Applied height: 1.567 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Coordinate/Antenna Settings ? X

Master Remote

Base Station
 1: P190 Name: P190 Disabled
 File: E:\29724_Mendocino\Aaron_Mallon_4-5-17\20170403_SN8121_Me

Coordinates
 Latitude: North 39 14 31.02597 Coord. options
 Longitude: West 123 12 14.51790 Save to Favorites
 Ellipsoidal height: 203.300 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TRM59800.80, NONE View STA File
 Antenna profile: TRM59800.80 Info
 Measured height: 0.008 m
 ARP to L1 offset: 0.090 m
 Applied height: 0.098 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 4/3/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Dave Wagner			Sensor Operator: Aaron Mallon		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up		3:10:00 PM			
Wheels Down		8:30:00 PM			
Begin Hobbs		1798.6			
End Hobbs		1804			
On-line Hobbs: 5			Mob Hobbs: 0.4		

Notes

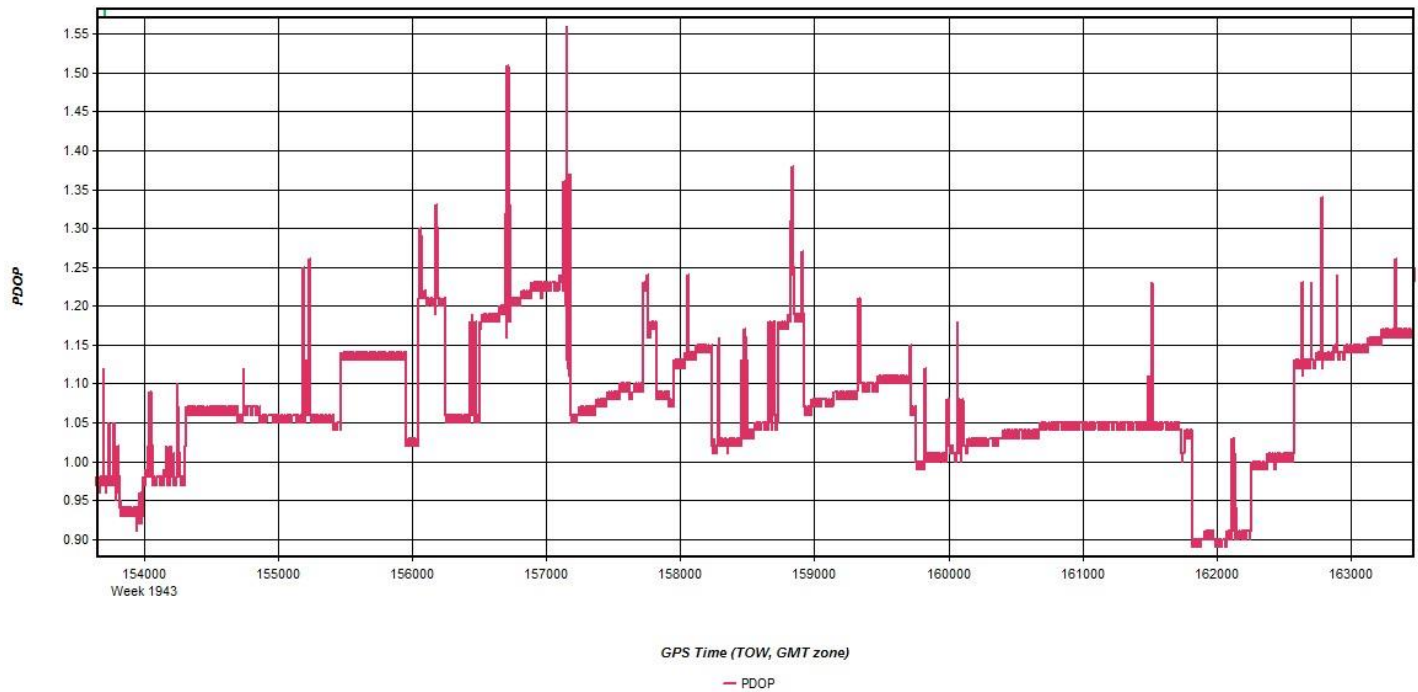
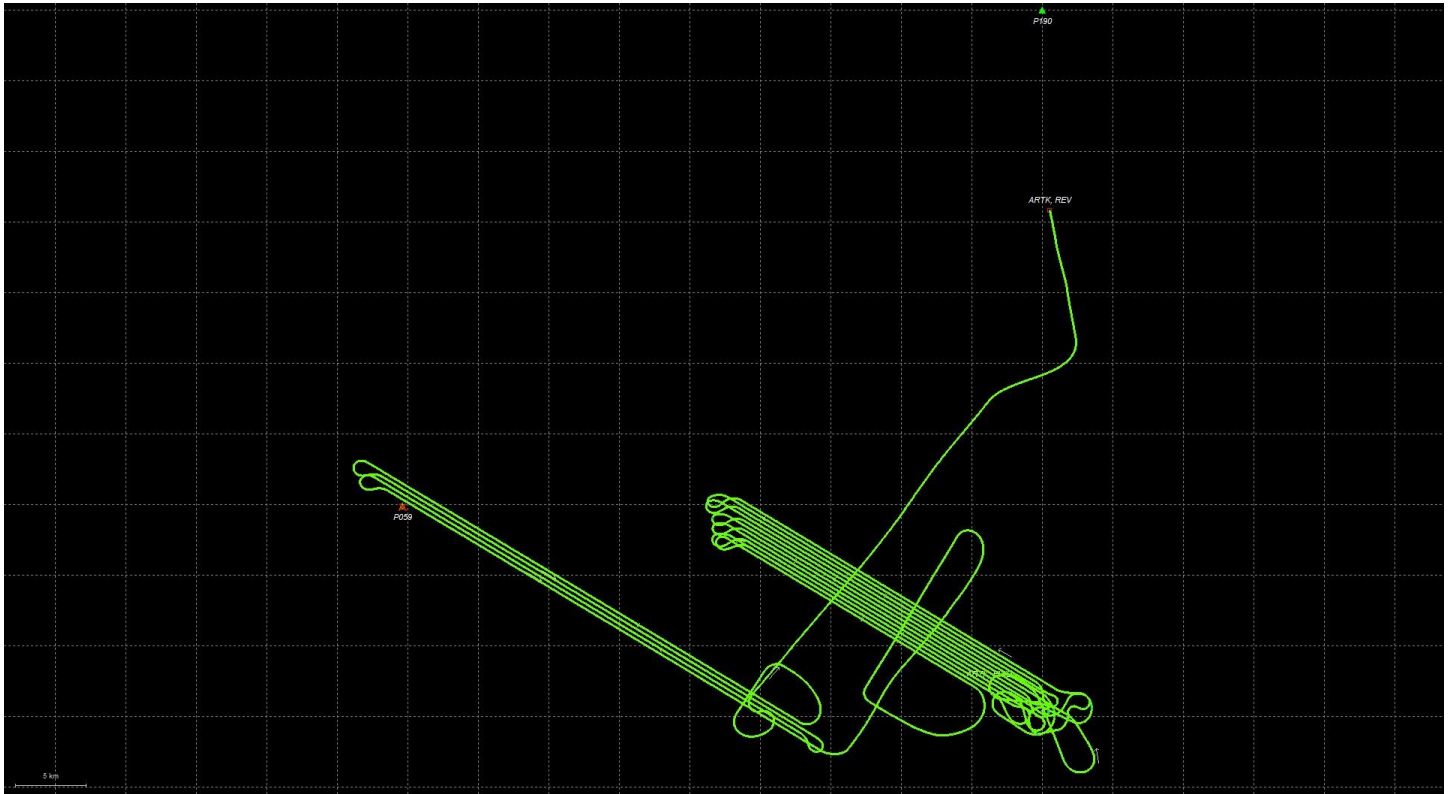
Today Dave Wagner and I had wheels up at 1510 and we completed the Mendocino project. Roughly three hours into our flight the sensor produced ALS errors.

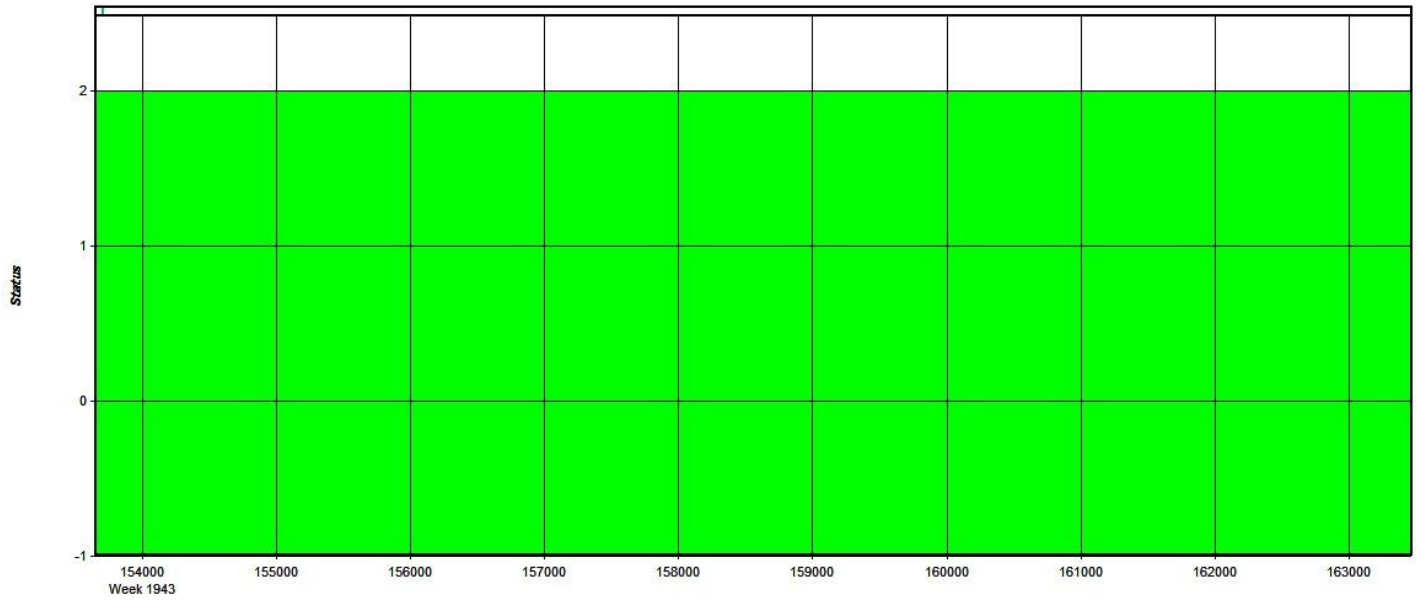
Flt Mgmt File: FAGL_Mendocino_SN8121

Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
443	1921.820 m	15:48:39	21.50703805	1872.973 m	15:56:04	22.68175775
444	1995.746 m	15:57:57	23.04086663	1886.674 m	16:05:15	24.66521699
445	1911.377 m	16:12:11	25.97297892	1898.346 m	16:19:36	27.12317053
446	1969.375 m	16:22:01	27.57554893	1912.172 m	16:29:30	29.20811408
447	1934.133 m	16:31:16	29.53685581	1988.787 m	16:38:41	30.65905712
448	1905.968 m	16:40:36	31.01179118	1904.547 m	16:47:50	32.57399636
449	1920.532 m	16:50:01	32.96963177	1987.608 m	16:57:36	34.08628751
450	1923.411 m	16:59:11	34.37064541	1993.170 m	17:06:19	35.87963573
451	1973.251 m	17:08:41	36.29406275	2101.396 m	17:16:03	37.33291174

452	2063.589 m	17:17:57	37.66272651	2012.516 m	17:24:45	39.06696668
453	2004.849 m	17:26:32	39.36519913	2097.392 m	17:33:45	40.33675228
454	2084.944 m	17:35:52	40.68966831	2028.242 m	17:42:29	42.00278655
455	1959.296 m	17:44:35	42.34160788	2046.365 m	17:51:45	43.25384729
456	2055.059 m	17:53:16	43.49490795	1931.333 m	18:00:08	44.78195837
457	1969.237 m	18:02:14	45.10113363	1962.451 m	18:09:14	45.92453577
458	2020.710 m	18:10:52	46.16698014	2024.020 m	18:17:37	47.35646094
459	2022.019 m	18:19:39	47.64300055	1959.847 m	18:26:21	48.35085897
460	1969.609 m	18:28:10	48.59842693	2068.615 m	18:34:38	49.65699114

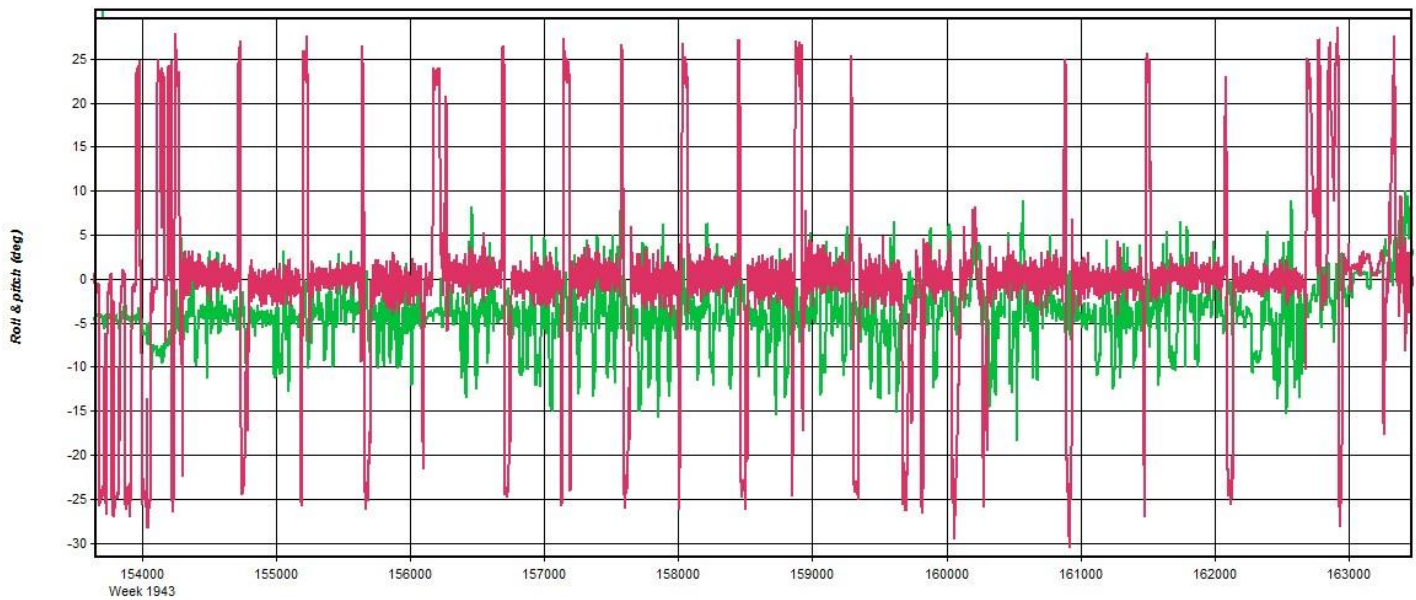
Apr 3, 2017-B (N704MD, SN8121)





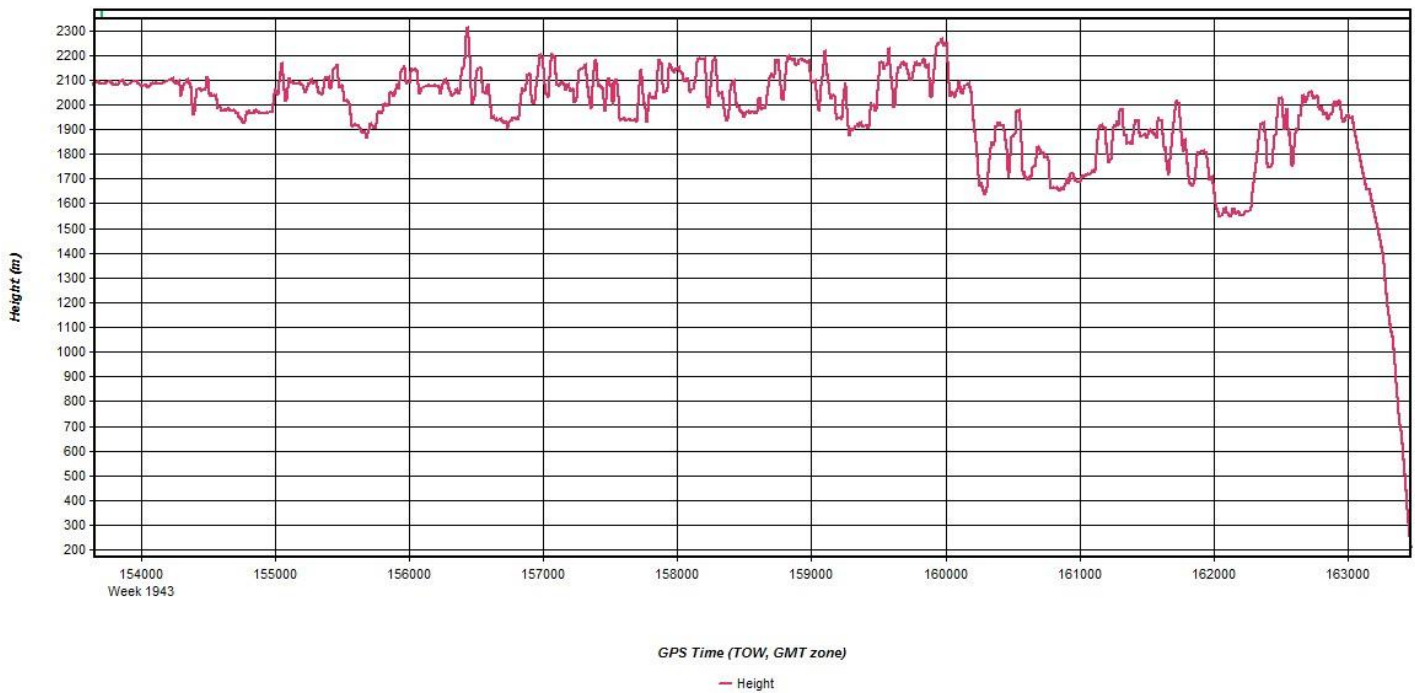
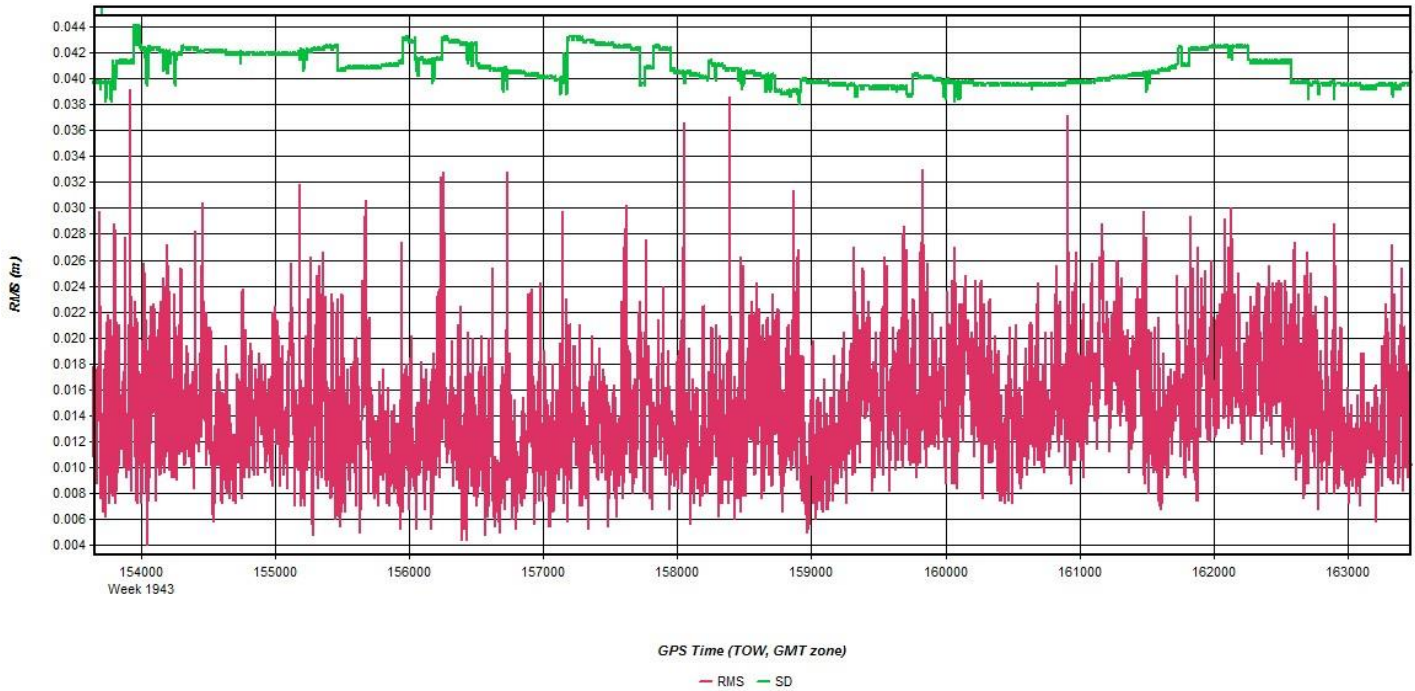
GPS Time (TOW, GMT zone)

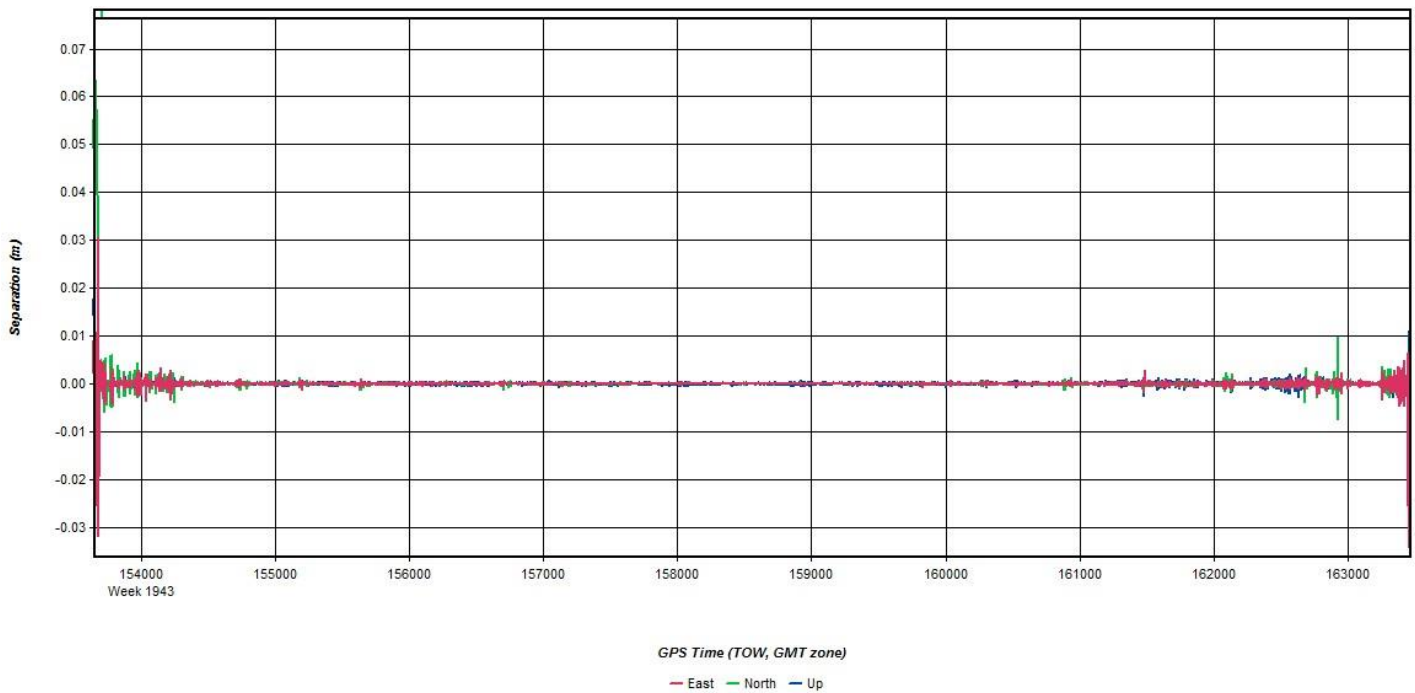
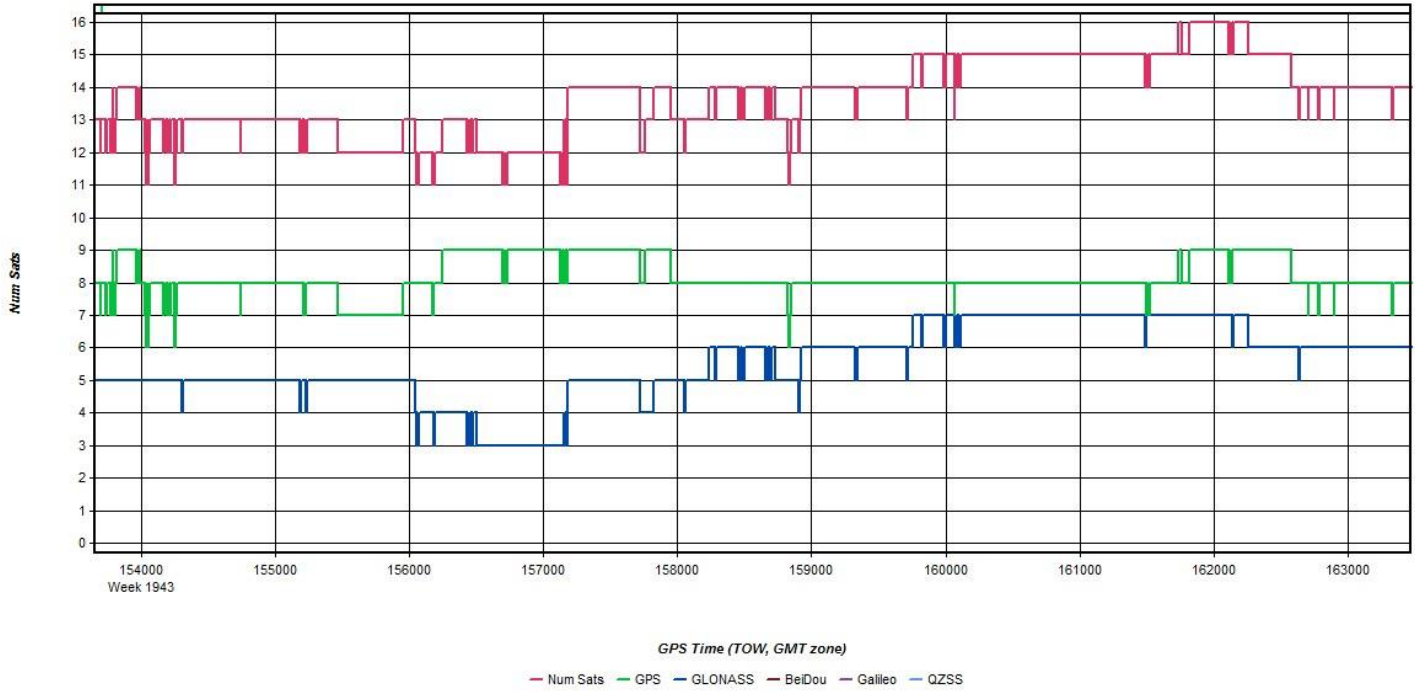
— Float — Forward Fixed — Reverse Fixed — Fixed (2 or more)

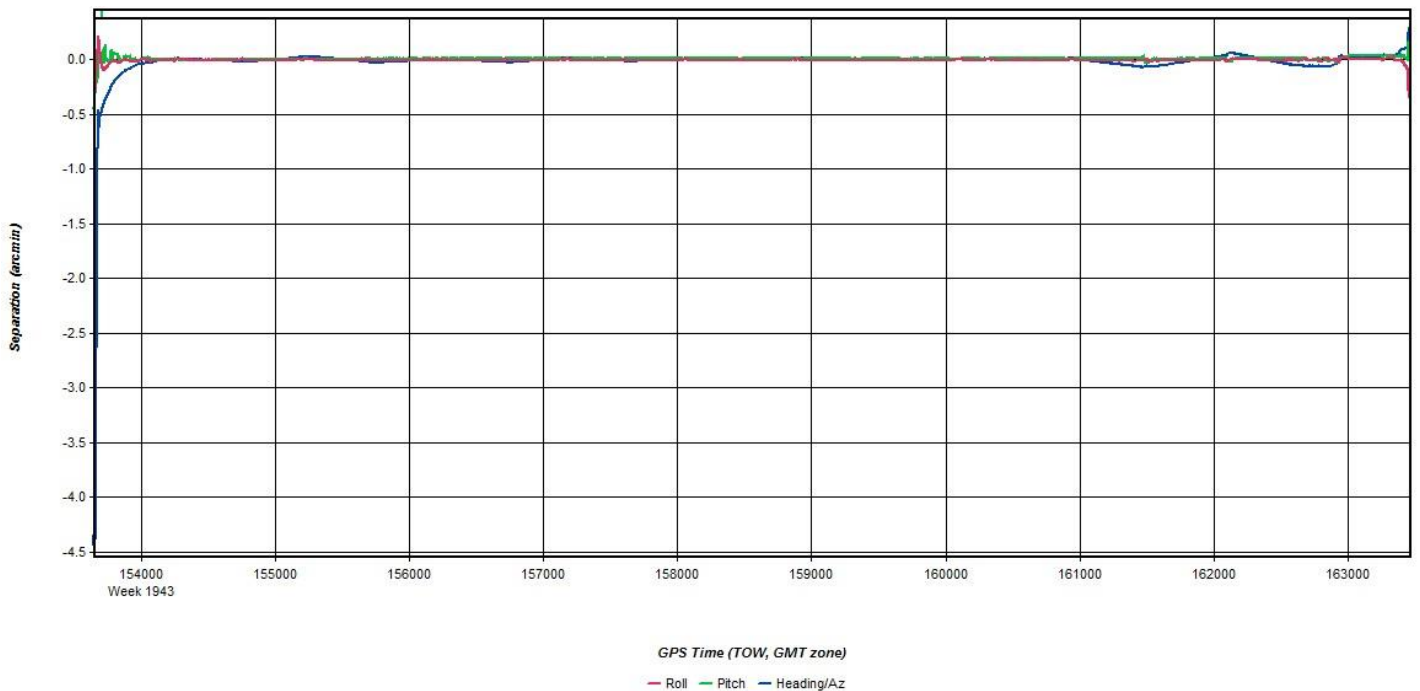
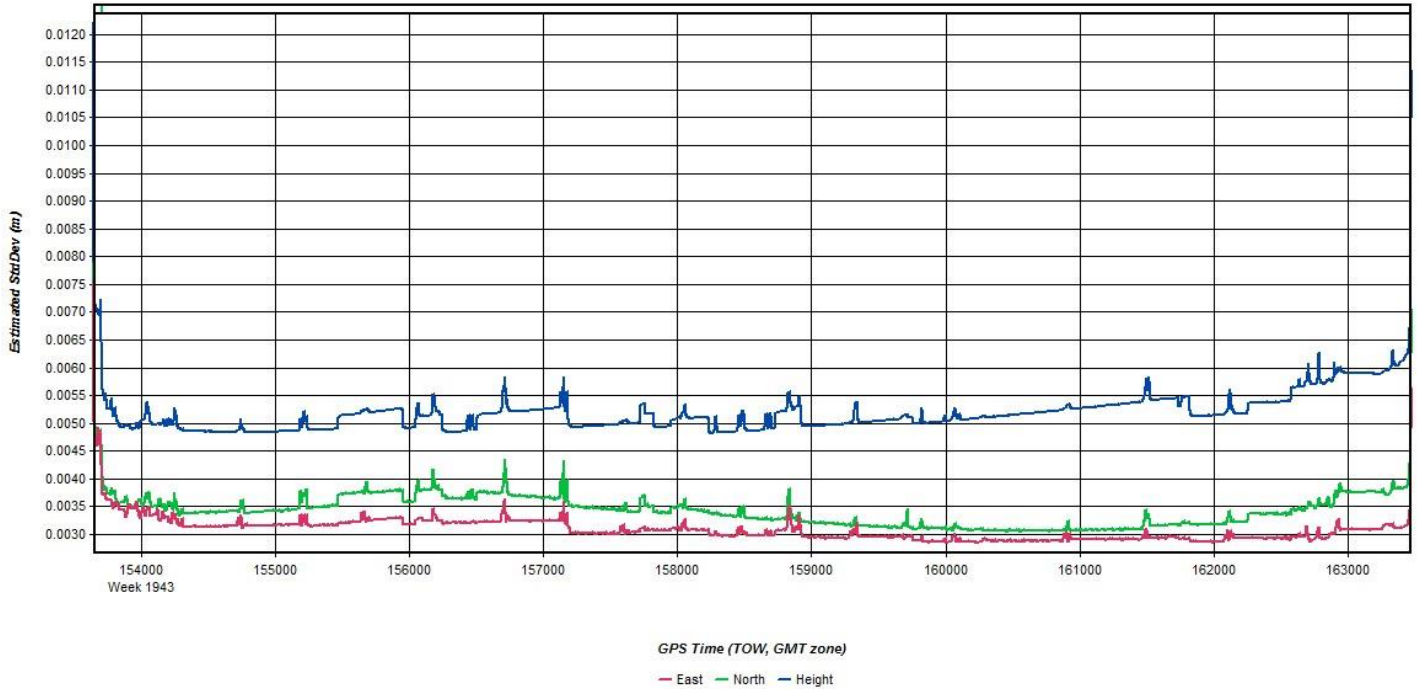


GPS Time (TOW, GMT zone)

— Roll — Pitch







Coordinate/Antenna Settings

Master Remote

Base Station

2: P190 Name: P190 Disabled

File: E:\29724_Mendocino\Aaron_Mallon_4-5-17\20170403_SN8121_Me

Coordinates

Latitude: North 39 14 31.02597 Coord. options

Longitude: West 123 12 14.51790 Save to Favorites

Ellipsoidal height: 203.300 m

Datum: WGS84 Proc Datum: WGS84

Epoch: year

Antenna Height

From station file: TRM59800.80, NONE View STA File

Antenna profile: TRM59800.80 Info

Measured height: 0.008 m

ARP to L1 offset: 0.090 m

Applied height: 0.098 m

Measured to

ARP

L1 Phase Centre

Compute From Slant

OK Cancel

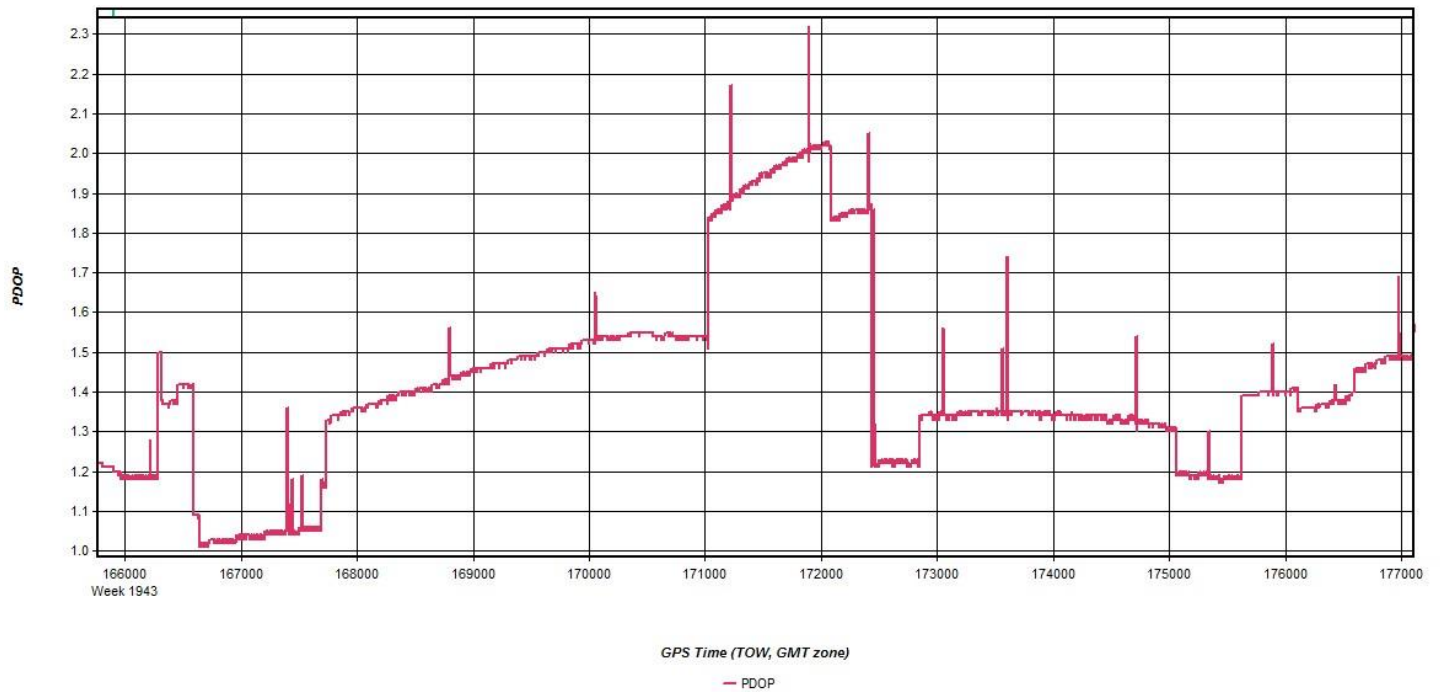
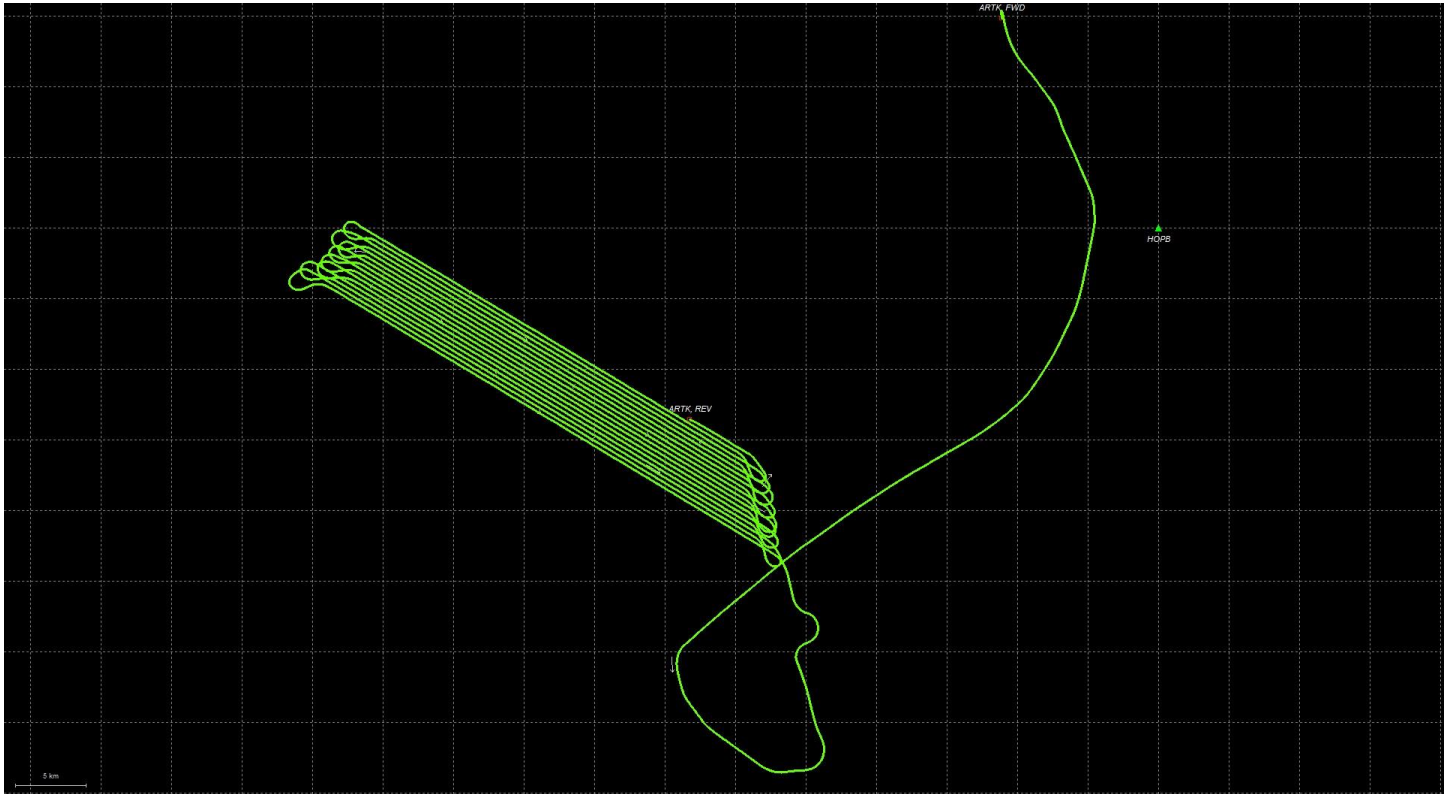
Flight Log

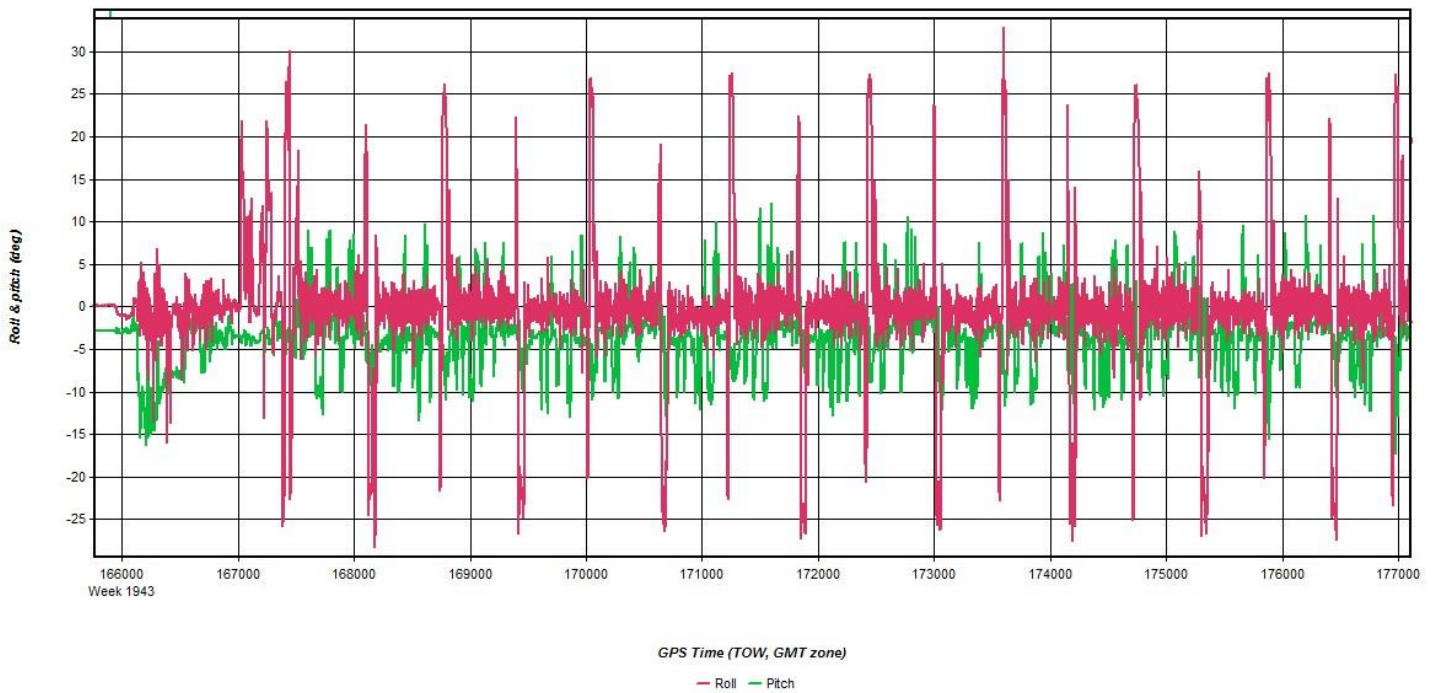
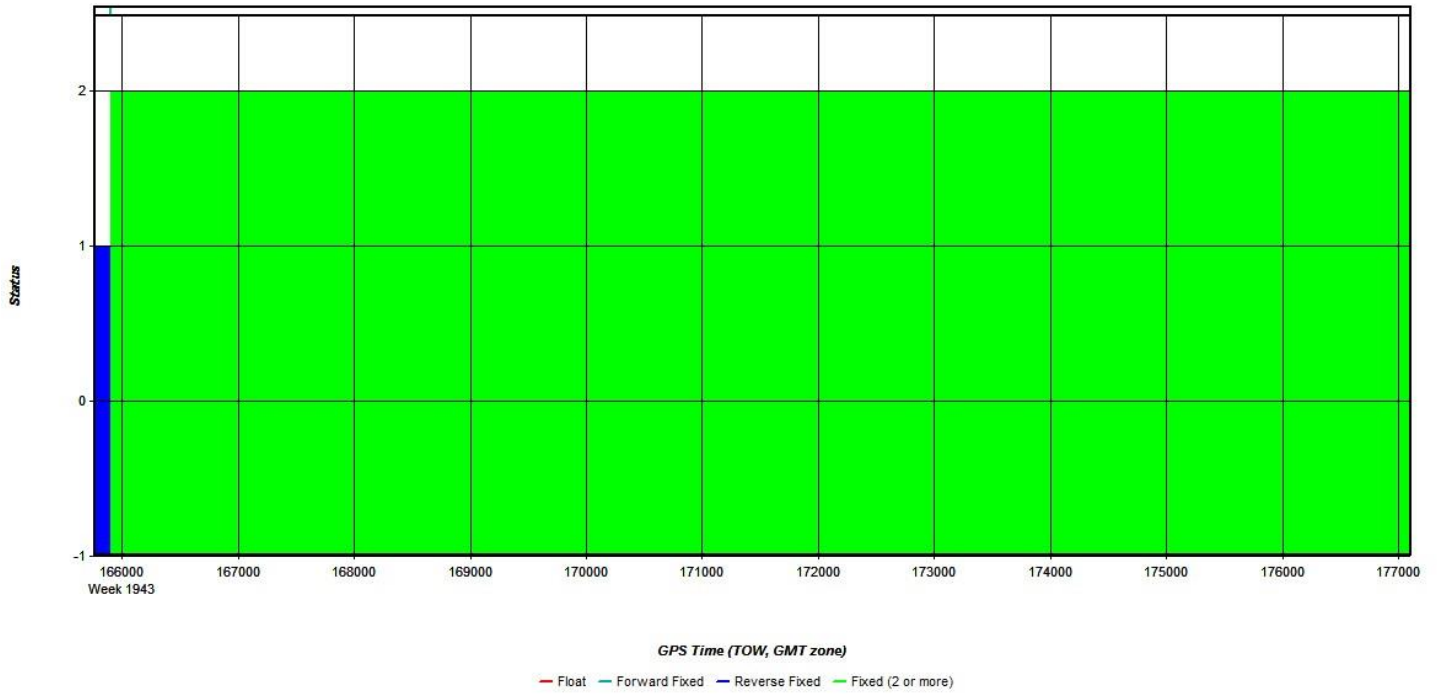
Date: 4/3/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Dave Wagner			Sensor Operator: Aaron Mallon		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

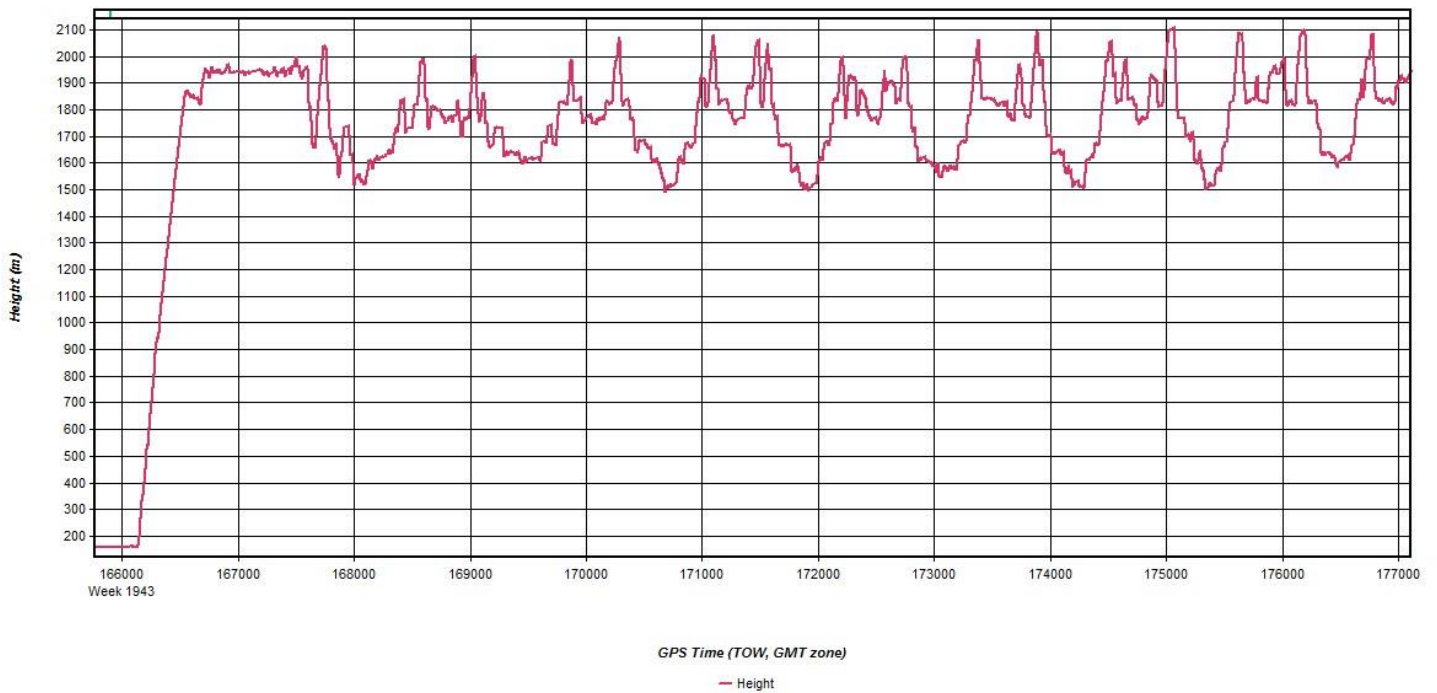
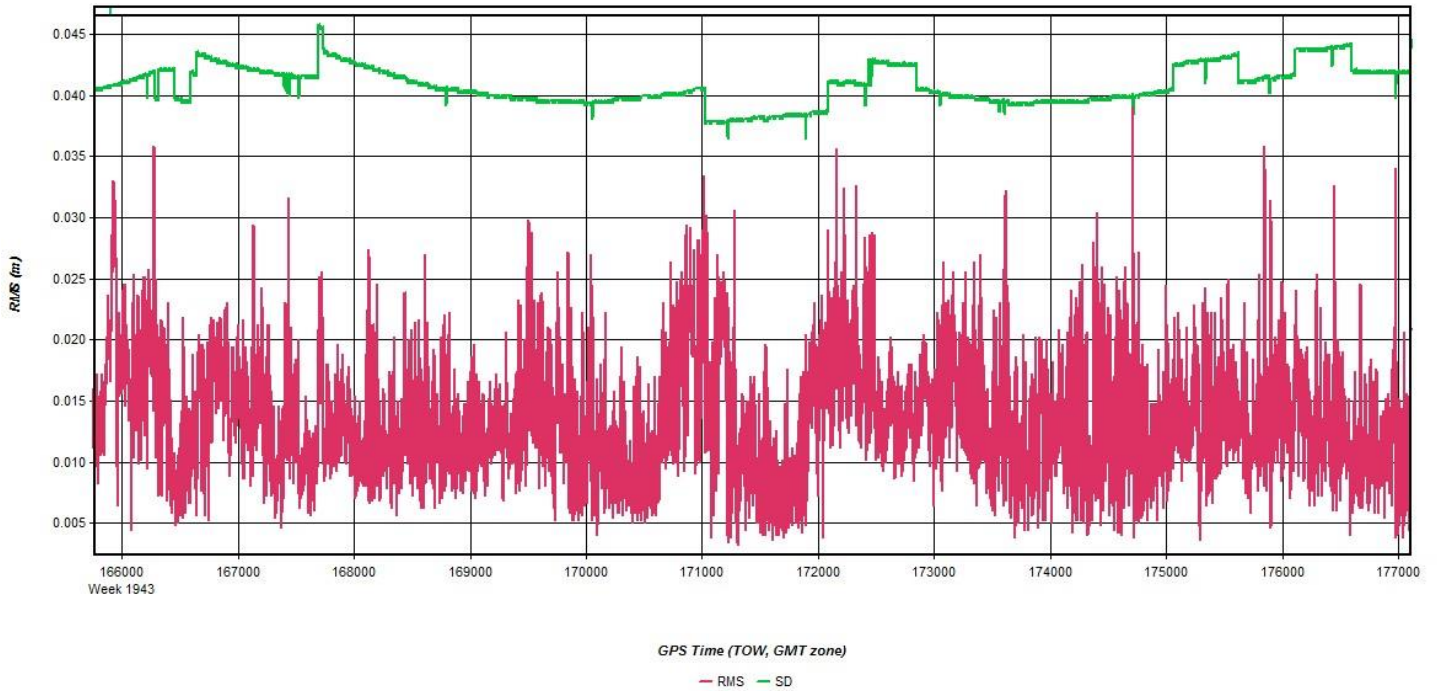
Flt Mgmt File: FAGL_Mendocino_SN8121

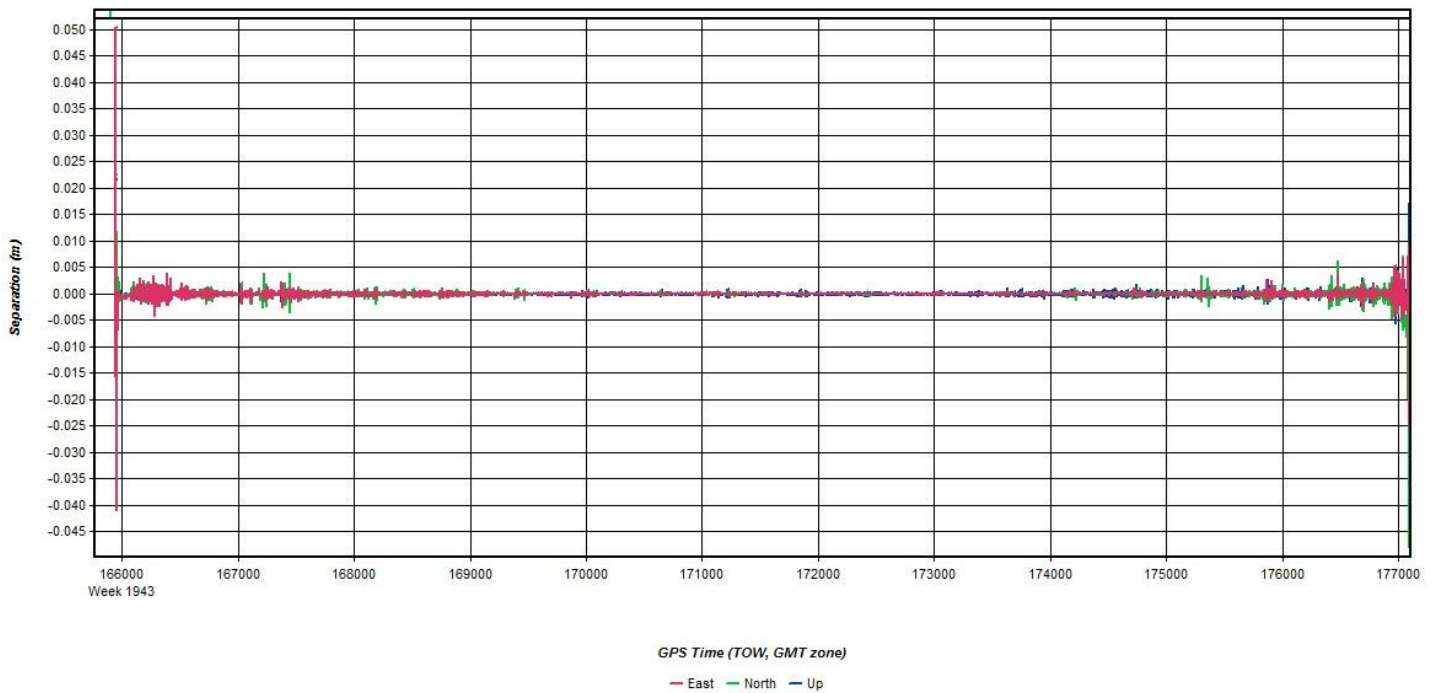
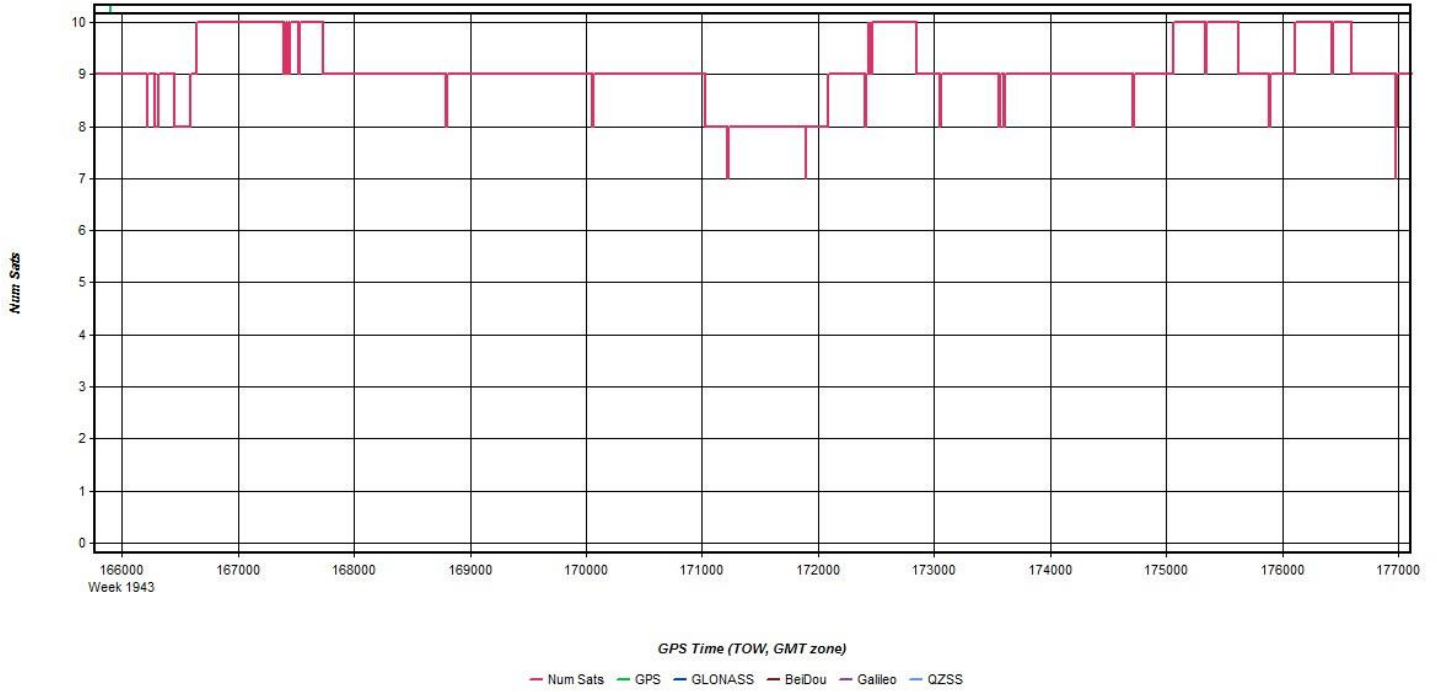
Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
459	2088.758 m	18:51:53	51.73430126	1970.100 m	18:58:21	52.24176563
460	1965.559 m	18:59:55	52.41029545	2084.786 m	19:06:08	53.23280362
461	2105.008 m	19:07:32	53.36726438	1901.165 m	19:13:41	53.75164542
462	1907.974 m	19:15:16	53.89496996	2055.484 m	19:21:12	54.56687810
463	2036.050 m	19:25:04	54.86523884	1941.859 m	19:31:09	55.13086078
464	1949.063 m	19:32:34	55.22833510	2082.999 m	19:38:30	55.74686098
465	2063.106 m	19:39:57	55.82783631	1938.825 m	19:45:55	55.98272336
466	1939.886 m	19:47:22	56.05250749	2143.746 m	19:53:05	56.41733080
467	2060.564 m	19:54:48	56.47589081	1988.570 m	20:00:28	56.51606184
468	1971.092 m	20:01:59	56.55622110	2186.564 m	20:07:11	56.76154937
468	2171.792 m	20:08:56	56.78327418	1883.521 m	20:14:29	56.72547691
469	1913.167 m	20:15:57	56.73283779	2162.836 m	20:20:51	56.80361641
215	1807.151 m	20:31:57	56.67712284	1654.939 m	20:41:00	56.29934012
214	1723.971 m	20:42:10	56.25412829	1873.148 m	20:50:52	55.96726652
213	1883.062 m	20:52:10	55.89592555	1578.557 m	21:00:59	55.31228105
212	1575.743 m	21:02:09	55.23393993	2011.256 m	21:11:04	54.64579268
UL001	2185.511 m	20:23:41	56.77821434	2039.409 m	20:27:03	56.63605394
UL003	1980.148 m	21:13:12	54.46815085	1959.815 m	21:14:20	54.40329147

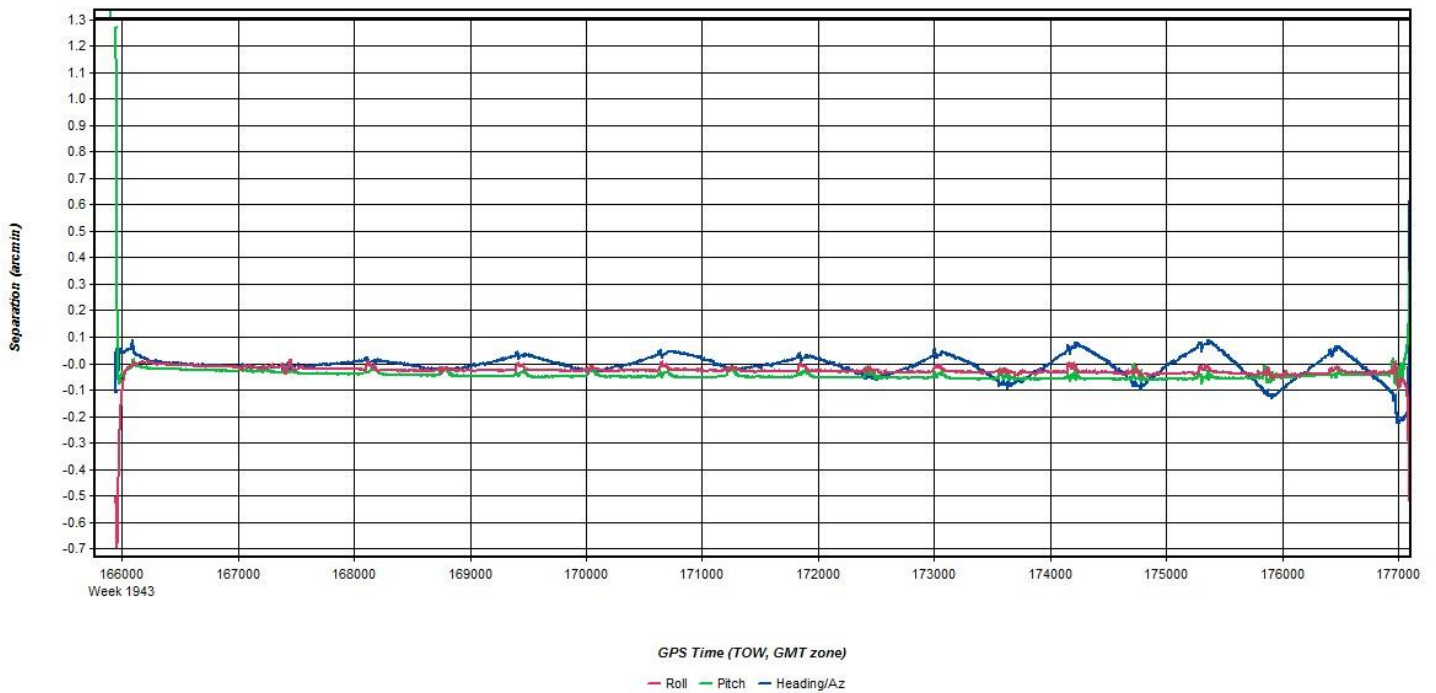
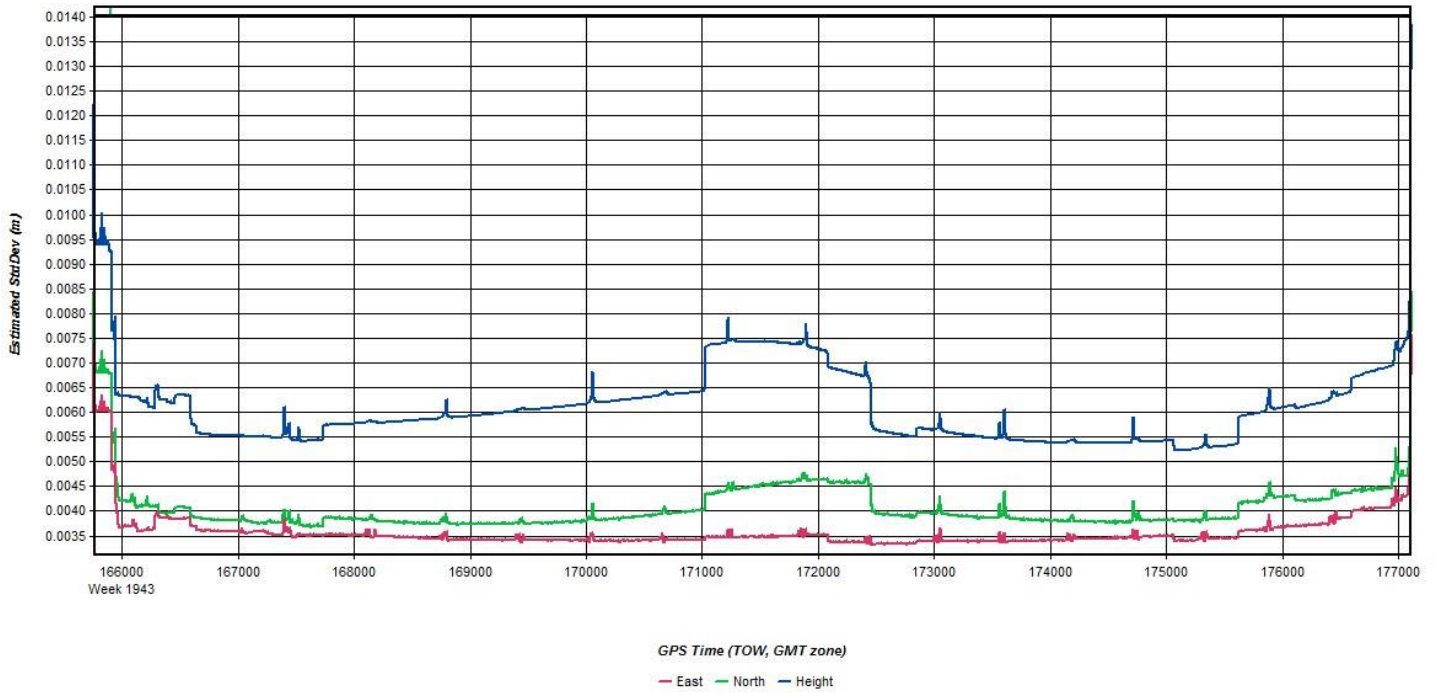
Apr 3, 2017-C (N704MD, SN8121)











Coordinate/Antenna Settings

Master Remote

Base Station
 5: HOPB Name: HOPB Disabled
 File: E:\29724_Mendocino\Aaron_Mallon_4-5-17\20170403_SN8121_Me

Coordinates
 Latitude: North 38 59 42.65284 Coord. options
 Longitude: West 123 04 28.96773 Save to Favorites
 Ellipsoidal height: 353.835 m
 Datum: WGS84 Proc Datum: WGS84
 Epoch: year

Antenna Height
 From station file: TPSCR.G3, SCIT View STA File
 Antenna profile: TPSCR.G3, SCIT Info
 Measured height: 0.133 m
 ARP to L1 offset: 0.087 m
 Applied height: 0.220 m
 Measured to
 ARP
 L1 Phase Centre
 Compute From Slant

OK Cancel

Flight Log

Date: 4/3/2017		Aircraft: 704MD		Sensor: 8121	
Project: Mendocino USGS				Project #: R029724	
Flight Mgmt File: FAGL_Mendocino_SN8121					
Pilot: Dave Wagner			Sensor Operator: Aaron Mallon		
	Flight 1	Flight 2	Flight 3	Flight 4	
Wheels Up					
Wheels Down					
Begin Hobbs					
End Hobbs					
On-line Hobbs:			Mob Hobbs:		
Notes					

Flt Mgmt File: FAGL_Mendocino_SN8121

Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
211	1921.727 m	22:32:09	44.90948334	1517.428 m	22:41:13	43.62735154
210	1613.847 m	22:43:20	43.29318876	1797.693 m	22:51:58	41.78361471
209	1753.593 m	22:53:54	41.46693396	1631.497 m	23:02:53	40.12568015
208	1617.325 m	23:04:47	39.80447716	1771.484 m	23:13:10	38.23505431
207	1758.812 m	23:14:56	37.93069191	1593.062 m	23:23:31	36.60104375
206	1511.011 m	23:25:15	36.29566908	1825.890 m	23:33:21	34.70318202
205	1766.752 m	23:35:09	34.38193115	1584.089 m	23:43:26	33.06764130
204	1509.536 m	23:45:11	32.74995261	1848.005 m	23:53:06	31.13412201
203	1749.667 m	23:55:02	30.77958659	1588.627 m	00:02:58	29.50319786
202	1582.413 m	00:04:39	29.19031473	1816.496 m	00:12:21	27.57212072
201	1757.041 m	00:14:16	27.21377566	1558.205 m	00:22:09	25.92904650
200	1531.221 m	00:23:40	25.64169443	1844.011 m	00:31:25	23.98231398
199	1768.304 m	00:33:22	23.61253138	1612.224 m	00:41:01	22.35919359
198	1511.406 m	00:42:52	22.00585124	1828.918 m	00:50:24	20.36340946
197	1934.867 m	00:52:17	20.00279658	1632.045 m	00:59:49	18.76503439
196	1609.598 m	01:01:25	18.45642002	1824.387 m	01:08:46	16.83332701
195	1907.318 m	01:10:38	16.47396210	1925.449 m	01:11:15	16.37278251

Apr 4, 2017-A (N704MD, SN8121)

Flight Log

Date: 4/3/2017	Aircraft: 704MD	Sensor: 8121
Project: Mendocino USGS		Project #: R029724

Flight Mgmt File: FAGL_Mendocino_SN8121				
Pilot:		Sensor Operator:		
	Flight 1	Flight 2	Flight 3	Flight 4
Wheels Up				
Wheels Down				
Begin Hobbs				
End Hobbs				
On-line Hobbs:		Mob Hobbs:		
Notes				

Flt Mgmt File: FAGL_Mendocino_SN8121

Name	AltStart	TimeStart	SunAngStrt	AltEnd	TimeEnd	SunAngEnd
195	1981.851 m	01:29:34	12.81799215	1638.640 m	01:36:56	11.61510026
194	1605.774 m	01:38:33	11.30211309	1913.289 m	01:45:51	9.67384569
193	1974.630 m	01:47:33	9.34694776	1638.553 m	01:54:56	8.14913145
192	1613.002 m	01:56:28	7.85416767	1833.930 m	02:03:37	6.26435563
191	1937.784 m	02:05:19	5.94123944	1629.116 m	02:12:28	4.80730906
190	1606.346 m	02:14:04	4.50546660	1777.218 m	02:21:09	2.96879848
189	1818.616 m	02:23:04	2.61887101	1608.946 m	02:30:09	1.56042034
188	1607.732 m	02:31:44	1.28337805	1749.937 m	02:38:47	-0.19033128
217	1819.431 m	02:51:23	-3.03124719	1602.838 m	02:59:55	-4.40833714
216	1619.397 m	03:02:02	-4.81907439	1790.081 m	03:10:27	-6.72790561
UL001	1713.065 m	02:42:26	-1.05143007	1819.116 m	02:45:13	-1.62081297