



# iHAB-10 Flight Data

Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Metric			Imperial				
										Ascent Rate (m/min)	AVG Ascent Rate (m/min)	Ascent Rate (m/sec)	Ascent Rate (ft/min)	AVG Ascent Rate (ft/min)	Ascent Rate (ft/sec)		
14:03:05		41.661170	-91.488000	24	28	176	344	1128	12.5V 19C HDOP00.8 SATS10								
14:03:21	16	41.660000	-91.488670	19	22	206	413	1356	12.5V 19C HDOP00.8 SATS10	261	261	4.34	4.34	855	855.07	14.25	14.25
14:03:39	18	41.659000	-91.489170	28	32	215	501	1643	12.5V 21C HDOP00.8 SATS10	292	262	4.86	4.36	957	905.88	15.94	15.10
14:03:53	14	41.658000	-91.489500	33	38	203	576	1891	12.5V 21C HDOP00.8 SATS10	324	332	5.40	5.54	1063	958.20	17.71	15.97
14:04:09	16	41.656830	-91.490000	33	38	188	644	2114	12.5V 21C HDOP00.8 SATS10	255	282	4.25	4.70	836	927.71	13.94	15.46
14:04:25	16	41.655670	-91.490670	28	32	215	733	2404	12.5V 21C HDOP00.9 SATS09	331	292	5.52	4.86	1087	959.67	18.12	15.99
14:04:41	16	41.654330	-91.491000	37	43	202	820	2691	12.5V 21C HDOP00.8 SATS10	328	298	5.47	4.96	1076	979.10	17.94	16.32
14:04:57	16	41.653170	-91.491500	35	40	179	901	2956	12.4V 21C HDOP00.8 SATS11	303	298	5.05	4.97	994	981.19	16.56	16.35
14:05:14	17	41.652000	-91.491670	31	36	191	981	3219	12.4V 21C HDOP00.8 SATS10	283	281	4.72	4.69	928	974.57	15.47	16.24
14:05:29	15	41.650500	-91.492000	37	43	176	1073	3519	12.4V 21C HDOP00.7 SATS11	366	324	6.10	5.40	1200	999.62	20.00	16.66
14:05:46	17	41.649170	-91.491830	37	43	176	1138	3735	12.4V 21C HDOP00.7 SATS11	232	280	3.87	4.67	762	975.89	12.71	16.26
14:06:02	16	41.647500	-91.491830	37	43	172	1208	3964	12.5V 23C HDOP00.8 SATS10	262	295	4.36	4.91	859	965.25	14.31	16.09
14:06:34	32	41.644830	-91.492670	28	32	193	1353	4438	12.5V 23C HDOP00.8 SATS10	271	158	4.51	2.63	889	958.87	14.81	15.98
14:06:50	16	41.643670	-91.493170	35	40	186	1403	4602	12.5V 23C HDOP00.8 SATS10	187	305	3.12	5.09	615	932.42	10.25	15.54
14:07:22	32	41.641000	-91.494170	35	40	202	1515	4972	12.4V 23C HDOP00.8 SATS10	211	157	3.52	2.62	694	915.37	11.56	15.26
14:07:38	16	41.639830	-91.494500	33	38	202	1576	5170	12.4V 23C HDOP00.8 SATS10	226	308	3.77	5.13	742	903.85	12.37	15.06
14:07:57	19	41.638670	-91.494670	33	38	205	1629	5344	12.4V 23C HDOP00.8 SATS10	167	254	2.79	4.23	549	881.70	9.16	14.69
14:08:10	13	41.637170	-91.495170	30	35	175	1713	5619	12.4V 23C HDOP00.8 SATS10	387	372	6.45	6.19	1269	904.49	21.15	15.07
14:08:30	20	41.635830	-91.495500	43	49	200	1806	5924	12.4V 23C HDOP00.8 SATS10	279	244	4.65	4.06	915	905.08	15.25	15.08
14:08:42	12	41.634500	-91.496170	30	35	215	1882	6174	12.4V 23C HDOP00.8 SATS10	381	405	6.35	6.75	1250	923.23	20.83	15.39
14:08:59	17	41.633330	-91.496670	35	40	193	1964	6445	12.4V 23C HDOP00.8 SATS10	292	286	4.86	4.77	956	924.89	15.94	15.41
14:09:15	16	41.632170	-91.497170	20	23	191	2046	6712	12.4V 23C HDOP00.8 SATS10	305	304	5.09	5.07	1001	928.53	16.69	15.48
14:09:31	16	41.631330	-91.497670	19	22	182	2123	6963	12.4V 23C HDOP00.8 SATS10	288	303	4.80	5.05	945	929.28	15.75	15.49
14:09:47	16	41.630170	-91.497830	24	28	173	2173	7129	12.4V 23C HDOP00.8 SATS10	189	298	3.14	4.97	619	915.78	10.31	15.26
14:10:03	16	41.629000	-91.497830	31	36	170	2226	7302	12.4V 23C HDOP00.8 SATS10	198	294	3.30	4.90	649	904.65	10.81	15.08
14:10:19	16	41.627830	-91.497500	28	32	175	2319	7608	12.4V 25C HDOP00.8 SATS10	350	296	5.83	4.94	1148	914.36	19.13	15.24
14:10:35	16	41.626670	-91.497170	26	30	189	2405	7890	12.4V 25C HDOP00.8 SATS10	322	297	5.37	4.95	1057	919.87	17.62	15.33
14:10:51	16	41.625500	-91.497000	22	25	190	2506	8223	12.4V 25C HDOP00.8 SATS10	381	300	6.34	5.01	1249	932.05	20.81	15.53
14:11:07	16	41.624170	-91.496830	31	36	161	2587	8487	12.4V 25C HDOP00.8 SATS10	302	300	5.03	5.01	990	934.12	16.50	15.57
14:11:23	16	41.623170	-91.496500	24	28	184	2661	8729	12.4V 25C HDOP00.8 SATS10	277	300	4.61	4.99	907	933.20	15.12	15.55
14:11:44	21	41.622170	-91.496170	20	23	184	2734	8969	12.4V 25C HDOP00.9 SATS09	209	228	3.48	3.79	686	924.95	11.43	15.42
14:11:55	11	41.621500	-91.495670	28	32	133	2820	9251	12.4V 25C HDOP00.9 SATS09	469	436	7.81	7.26	1538	944.73	25.64	15.75
14:12:15	20	41.621000	-91.495330	11	13	102	2886	9469	12.4V 25C HDOP00.9 SATS09	199	238	3.32	3.97	654	935.65	10.90	15.59
14:12:30	15	41.620670	-91.494830	11	13	148	2937	9637	12.4V 25C HDOP00.9 SATS09	205	314	3.41	5.24	672	927.66	11.20	15.46
14:12:44	14	41.620170	-91.494330	15	17	141	2990	9809	12.4V 25C HDOP00.9 SATS09	225	334	3.74	5.56	737	922.05	12.28	15.37
14:13:00	16	41.619670	-91.493670	22	25	132	3081	10107	12.4V 25C HDOP00.9 SATS09	341	293	5.68	4.89	1117	927.64	18.62	15.46
14:13:16	16	41.619000	-91.493170	15	17	107	3166	10386	12.4V 25C HDOP00.9 SATS09	319	294	5.32	4.90	1046	930.93	17.44	15.52
14:13:32	16	41.618170	-91.492500	13	15	168	3241	10633	12.4V 25C HDOP00.9 SATS09	282	294	4.71	4.89	926	930.81	15.44	15.51
14:13:48	16	41.617330	-91.492170	26	30	134	3310	10858	12.4V 25C HDOP00.9 SATS09	257	293	4.29	4.88	844	928.52	14.06	15.48
14:14:04	16	41.616330	-91.491670	30	35	163	3382	11096	12.4V 25C HDOP00.9 SATS09	272	292	4.53	4.87	892	927.59	14.87	15.46
14:14:21	17	41.615330	-91.491500	26	30	185	3446	11306	12.4V 25C HDOP00.9 SATS09	226	274	3.77	4.56	741	922.93	12.35	15.38
14:14:36	15	41.614500	-91.491500	26	30	155	3505	11500	12.4V 25C HDOP00.9 SATS09	237	308	3.94	5.14	776	919.35	12.93	15.32
14:14:53	17	41.613000	-91.491170	46	53	179	3579	11742	12.4V 25C HDOP00.9 SATS09	260	272	4.34	4.53	854	917.79	14.23	15.30
14:15:09	16	41.611500	-91.490670	41	47	170	3627	11901	12.4V 25C HDOP00.9 SATS09	182	286	3.03	4.77	596	910.32	9.94	15.17
14:15:29	20	41.610170	-91.490330	28	32	171	3672	12048	12.4V 25C HDOP00.9 SATS09	134	227	2.24	3.78	441	899.65	7.35	14.99
14:15:41	12	41.608670	-91.489830	31	36	173	3726	12226	12.4V 25C HDOP00.9 SATS09	271	376	4.52	6.26	890	899.43	14.83	14.99
14:15:57	16	41.607330	-91.489500	33	38	150	3776	12389	12.4V 25C HDOP00.9 SATS09	186	280	3.11	4.66	611	893.17	10.19	14.89
14:16:13	16	41.606000	-91.489170	30	35	156	3831	12570	12.4V 25C HDOP00.9 SATS09	207	278	3.45	4.64	679	888.61	11.31	14.81
14:16:29	16	41.604830	-91.488830	39	45	181	3883	12738	12.4V 25C HDOP00.9 SATS09	192	276	3.20	4.61	630	883.22	10.50	14.72
14:16:45	16	41.603670	-91.488330	19	22	176	3943	12935	12.4V 25C HDOP00.9 SATS09	225	275	3.75	4.59	739	880.27	12.31	14.67
14:17:01	16	41.602830	-91.488000	20	23	136	3991	13094	12.4V 25C HDOP00.9 SATS09	182	274	3.03	4.56	596	874.59	9.94	14.58
14:17:17	16	41.601830	-91.487500	30	35	163	4040	13253	12.4V 25C HDOP00.9 SATS09	182	272	3.03	4.53	596	869.13	9.94	14.49
14:17:33	16	41.600830	-91.487000	30	35	155	4088	13412	12.4V 25C HDOP00.9 SATS09	182	270	3.03	4.50	596	863.89	9.94	14.40
14:17:50	17	41.599830	-91.486330	30	35	162	4133	13559	12.4V 25C HDOP00.9 SATS09	158	252	2.64	4.21	519	857.38	8.65	14.29
14:18:06	16	41.598670	-91.485670	28	32	169	4181	13716	12.4V 25C HDOP00.9 SATS09	179	266	2.99	4.44	589	852.40	9.81	14.21
14:18:21	15	41.597330	-91.484830	31	36	148	4228	13870	12.4V 25C HDOP00.9 SATS09	188	282	3.13	4.71	616	848.10	10.27	14.14
14:18:38	17	41.596330	-91.484000	35	40	150	4275	14025	12.4V 25C HDOP00.9 SATS09	167	248	2.78	4.13	547	842.73	9.12	14.05
14:18:54	16	41.595000	-91.483000	43	49	150	4325	14189	12.4V 25C HDOP00.9 SATS09	187	262	3.12	4.37	615	838.73	10.25	13.98
14:19:10	16	41.593670	-91.482000	46	53	159	4376	14357	12.4V 25C HDOP00.9 SATS09	192	261	3.20	4.35	630	835.13	10.50	13.92
14:19:26	16	41.592500	-91.481170	26	30	146	4467	14655	12.4V 25C HDOP00.9 SATS10	341	262	5.68	4.37	1117	839.92	18.62	14.00
14:19:42	16	41.591000	-91.480170	31	36	148	4515	14812	12.4V 25C HDOP00.9 SATS10	179	261	2.99	4.34	589	835.73	9.81	13.93
14:19:58	16	41.589670	-91.479170	41	47	147	4561	14964	12.4V 25C HDOP00.9 SATS10	174	259	2.90	4.32	570	831.38	9.50	13.86
14:20:14	16	41.588330	-91.478330	41	47	136	4614	15137	12.4V 25C HDOP00.9 SATS10	198	258	3.30	4.30	649	828.43	10.81	13.81

Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate
										(m/min)	(m/min)	(m/sec)	(m/sec)	(ft/min)	(ft/min)	(ft/sec)	(ft/sec)
14:20:30	16	41.587330	-91.477330	33	38	155	4666	15308	12.4V 25C HDOP00.9 SATS10	195	257	3.26	4.29	641	825.46	10.69	13.76
14:20:47	17	41.586330	-91.476000	28	32	156	4722	15493	12.4V 25C HDOP00.9 SATS10	199	241	3.32	4.02	653	822.77	10.88	13.71
14:21:02	15	41.585330	-91.474830	28	32	122	4773	15659	12.4V 25C HDOP00.9 SATS10	202	273	3.37	4.54	664	820.32	11.07	13.67
14:21:19	17	41.584330	-91.473500	28	32	123	4822	15821	12.4V 25C HDOP00.9 SATS10	174	239	2.90	3.99	572	816.56	9.53	13.61
14:21:35	16	41.583500	-91.472170	24	28	125	4875	15994	12.4V 25C HDOP00.9 SATS10	198	254	3.30	4.23	649	814.05	10.81	13.57
14:21:51	16	41.582670	-91.471000	33	38	130	4924	16154	12.4V 25C HDOP00.9 SATS10	183	253	3.05	4.21	600	810.90	10.00	13.52
14:22:07	16	41.581830	-91.469830	35	40	144	4976	16324	12.4V 25C HDOP00.9 SATS10	194	252	3.24	4.20	638	808.39	10.63	13.47
14:22:23	16	41.581000	-91.468670	33	38	140	5021	16473	12.4V 25C HDOP00.9 SATS09	170	251	2.84	4.18	559	804.82	9.31	13.41
14:22:39	16	41.580170	-91.467670	30	35	147	5071	16636	12.4V 25C HDOP00.9 SATS10	186	250	3.10	4.16	611	802.10	10.19	13.37
14:22:55	16	41.579500	-91.466670	20	23	152	5118	16790	12.4V 25C HDOP00.9 SATS10	176	249	2.93	4.14	578	798.98	9.63	13.32
14:23:11	16	41.578670	-91.465670	19	22	135	5164	16942	12.4V 25C HDOP00.9 SATS10	174	248	2.90	4.13	570	795.84	9.50	13.26
14:23:27	16	41.577830	-91.464670	28	32	146	5212	17099	12.4V 25C HDOP00.9 SATS10	179	247	2.99	4.11	589	793.04	9.81	13.22
14:23:43	16	41.576830	-91.463830	30	35	133	5261	17260	12.4V 25C HDOP00.9 SATS10	184	246	3.07	4.10	604	790.52	10.06	13.18
14:23:59	16	41.575830	-91.463000	33	38	138	5307	17412	12.4V 25C HDOP00.9 SATS10	174	245	2.90	4.08	570	787.62	9.50	13.13
14:24:15	16	41.574830	-91.462000	30	35	133	5355	17569	12.4V 25C HDOP00.9 SATS10	179	244	2.99	4.07	589	785.03	9.81	13.08
14:24:32	17	41.574000	-91.461170	31	36	145	5402	17722	12.4V 25C HDOP00.9 SATS10	165	229	2.74	3.81	540	781.89	9.00	13.03
14:24:48	16	41.573170	-91.460000	35	40	146	5454	17893	12.4V 25C HDOP00.9 SATS10	195	243	3.26	4.04	641	780.11	10.69	13.00
14:25:04	16	41.572330	-91.459000	22	25	153	5502	18051	12.4V 25C HDOP00.9 SATS10	181	242	3.01	4.03	592	777.77	9.87	12.96
14:25:20	16	41.571500	-91.458000	26	30	143	5557	18232	12.4V 25C HDOP00.9 SATS10	207	241	3.45	4.02	679	776.55	11.31	12.94
14:25:37	17	41.570670	-91.457000	22	25	118	5609	18401	12.4V 25C HDOP00.9 SATS10	182	227	3.03	3.78	596	774.35	9.94	12.91
14:25:52	15	41.569830	-91.456000	37	43	123	5660	18571	12.4V 25C HDOP00.9 SATS10	207	256	3.45	4.27	680	773.21	11.33	12.89
14:26:08	16	41.569170	-91.454830	35	40	128	5711	18737	12.4V 25C HDOP00.9 SATS10	190	240	3.16	3.99	623	771.42	10.38	12.86
14:26:24	16	41.568330	-91.453830	33	38	142	5765	18913	12.4V 25C HDOP00.9 SATS10	201	239	3.35	3.99	660	770.11	11.00	12.84
14:26:40	16	41.567670	-91.452830	28	32	135	5816	19082	12.4V 25C HDOP00.9 SATS10	193	239	3.22	3.98	634	768.52	10.56	12.81
14:26:56	16	41.567000	-91.451830	24	28	140	5867	19250	12.4V 25C HDOP00.9 SATS10	192	238	3.20	3.97	630	766.93	10.50	12.78
14:27:13	17	41.566330	-91.450830	22	25	144	5920	19421	12.4V 25C HDOP00.9 SATS10	184	224	3.07	3.73	604	765.07	10.06	12.75
14:27:29	16	41.565670	-91.449830	20	23	148	5971	19590	12.4V 25C HDOP00.9 SATS10	193	237	3.22	3.95	634	763.60	10.56	12.73
14:27:45	16	41.565000	-91.449000	20	23	95	6022	19758	12.4V 25C HDOP00.9 SATS10	192	237	3.20	3.94	630	762.11	10.50	12.70
14:28:01	16	41.564500	-91.448000	17	20	96	6078	19940	12.4V 25C HDOP00.9 SATS10	208	236	3.47	3.94	682	761.24	11.37	12.69
14:28:17	16	41.564000	-91.447000	19	22	102	6129	20107	12.4V 25C HDOP00.9 SATS10	191	236	3.18	3.93	626	759.77	10.44	12.66
14:28:33	16	41.563500	-91.446000	26	30	102	6184	20288	12.4V 25C HDOP00.9 SATS10	207	235	3.45	3.92	679	758.90	11.31	12.65
14:28:49	16	41.563000	-91.444670	35	40	119	6230	20438	12.4V 25C HDOP00.9 SATS10	171	235	2.86	3.91	563	756.81	9.38	12.61
14:29:05	16	41.562330	-91.443330	33	38	131	6277	20595	12.4V 25C HDOP00.9 SATS10	179	234	2.99	3.90	589	755.04	9.81	12.58
14:29:21	16	41.561830	-91.442170	28	32	129	6327	20759	12.4V 25C HDOP00.9 SATS10	187	234	3.12	3.90	615	753.58	10.25	12.56
14:29:34	33	41.560500	-91.439330	24	28	110	6432	21103	12.4V 25C HDOP00.9 SATS10	191	114	3.18	1.90	625	752.26	10.42	12.54
14:30:09	15	41.560000	-91.437830	35	40	111	6484	21272	12.4V 25C HDOP00.9 SATS10	206	251	3.43	4.18	676	751.48	11.27	12.52
14:30:26	17	41.559330	-91.436500	33	38	107	6536	21442	12.4V 23C HDOP00.9 SATS10	183	221	3.05	3.68	600	749.95	10.00	12.50
14:30:41	15	41.558830	-91.435000	31	36	111	6589	21617	12.4V 23C HDOP00.9 SATS10	213	250	3.56	4.16	700	749.45	11.67	12.49
14:30:58	17	41.558170	-91.433670	33	38	130	6640	21785	12.4V 23C HDOP00.9 SATS10	181	220	3.01	3.67	593	747.90	9.88	12.47
14:31:30	32	41.557000	-91.430830	33	38	124	6739	22110	12.4V 23C HDOP00.9 SATS10	186	118	3.10	1.96	609	746.55	10.16	12.44
14:32:02	32	41.555670	-91.428000	20	23	107	6852	22479	12.4V 23C HDOP00.9 SATS10	211	118	3.51	1.97	692	746.02	11.53	12.43
14:32:34	32	41.554670	-91.425170	33	38	98	6949	22800	12.4V 23C HDOP00.9 SATS10	183	119	3.06	1.98	602	744.63	10.03	12.41
14:33:07	33	41.553670	-91.422000	33	38	97	7047	23119	12.4V 23C HDOP00.9 SATS10	177	116	2.95	1.93	580	743.06	9.67	12.38
14:33:23	16	41.553330	-91.420330	37	43	118	7095	23279	12.4V 23C HDOP00.9 SATS10	183	239	3.05	3.98	600	741.71	10.00	12.36
14:33:39	16	41.553000	-91.418670	31	36	115	7145	23441	12.4V 23C HDOP00.9 SATS10	185	238	3.09	3.97	608	740.46	10.13	12.34
14:34:11	32	41.552170	-91.415330	31	36	108	7240	23753	12.4V 23C HDOP00.9 SATS10	178	120	2.97	2.00	585	739.02	9.75	12.32
14:34:27	16	41.551830	-91.413670	33	38	119	7289	23915	12.4V 23C HDOP00.9 SATS10	185	239	3.09	3.98	608	737.81	10.13	12.30
14:34:43	16	41.551500	-91.412000	26	30	122	7337	24072	12.4V 23C HDOP01.0 SATS09	179	238	2.99	3.97	589	736.46	9.81	12.27
14:34:59	16	41.551170	-91.410330	24	28	108	7384	24226	12.4V 23C HDOP01.0 SATS09	176	238	2.93	3.96	577	735.02	9.62	12.25
14:35:15	16	41.550830	-91.408500	33	38	97	7432	24384	12.4V 23C HDOP00.9 SATS10	181	237	3.01	3.96	593	733.75	9.88	12.23
14:35:47	32	41.550000	-91.404830	37	43	102	7526	24691	12.4V 23C HDOP00.9 SATS10	175	119	2.92	1.99	576	732.35	9.59	12.21
14:36:20	33	41.549500	-91.401170	35	40	118	7615	24983	12.4V 23C HDOP00.9 SATS10	162	116	2.70	1.93	531	730.59	8.85	12.18
14:36:35	15	41.549170	-91.399330	43	49	110	7662	25139	12.4V 23C HDOP01.0 SATS09	190	255	3.17	4.24	624	729.66	10.40	12.16
14:36:52	17	41.548830	-91.397500	33	38	107	7709	25291	12.4V 23C HDOP00.9 SATS10	164	224	2.73	3.73	536	727.99	8.94	12.13
14:37:26	34	41.548830	-91.393830	28	32	90	7799	25588	12.4V 21C HDOP00.9 SATS10	160	112	2.66	1.87	524	726.25	8.73	12.10
14:37:40	14	41.548830	-91.392000	26	30	84	7848	25749	12.4V 21C HDOP00.9 SATS10	210	273	3.51	4.54	690	725.94	11.50	12.10
14:37:56	16	41.548830	-91.390000	37	43	78	7895	25903	12.4V 21C HDOP00.9 SATS10	176	238	2.93	3.97	577	724.70	9.62	12.08
14:38:12	16	41.548670	-91.388170	33	38	76	7940	26051	12.4V 21C HDOP00.9 SATS10	169	237	2.82	3.96	555	723.28	9.25	12.05
14:38:28	16	41.548670	-91.386330	39	45	74	7989	26210	12.4V 21C HDOP00.9 SATS10	182	237	3.03	3.95	596	722.23	9.94	12.04
14:39:00	32	41.548830	-91.382330	39	45	81	8089	26540	12.4V 21C HDOP00.9 SATS10	189	119	3.14	1.98	619	721.38	10.31	12.02
14:39:33	33	41.549000	-91.378170	35	40	92	8192	26878	12.4V 21C HDOP00.9 SATS10	187	116	3.12	1.93	615	720.52	10.24	12.01
14:39:49	16	41.549170	-91.375830	39	45	103	8247	27057	12.4V 21C HDOP00.9 SATS10	205	239	3.41	3.98	671	720.12	11.19	12.00
14:40:06	17	41.549170	-91.373670	33	38	86	8301	27235	12.4V 21C HDOP00.9 SATS10	192	225	3.19	3.74	628	719.38	10.47	11.99
14:40:21	15	41.549000	-91.371170	39	45	97											

Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate
										(m/min)	(m/min)	(m/sec)	(m/sec)	(ft/min)	(ft/min)	(ft/sec)	(ft/sec)
14:41:57	15	41.549500	-91.355670	52	60	78	8668	28437	12.3V 21C HDOP00.9 SATS10	218	252	3.64	4.20	716	715.97	11.93	11.93
14:42:14	17	41.550000	-91.353000	61	70	78	8721	28611	12.4V 21C HDOP00.9 SATS10	187	222	3.12	3.70	614	715.20	10.23	11.92
14:42:29	15	41.550500	-91.350330	52	60	85	8774	28786	12.3V 21C HDOP00.9 SATS10	213	252	3.56	4.19	700	715.09	11.67	11.92
14:42:46	17	41.551170	-91.347500	43	49	75	8828	28964	12.4V 19C HBOP00.9 SARS10	192	222	3.19	3.70	628	714.45	10.47	11.91
14:43:02	16	41.551670	-91.344670	43	49	81	8886	29154	12.3V 19C HDOP00.9 SATS10	217	236	3.62	3.93	712	714.43	11.87	11.91
14:43:19	17	41.552170	-91.342000	43	49	74	8935	29315	12.4V 19C HDOP00.9 SATS10	173	221	2.89	3.69	568	713.36	9.47	11.89
14:43:35	16	41.552670	-91.339330	48	55	68	8989	29490	12.3V 19C HDOP01.0 SATS10	200	235	3.33	3.92	656	712.95	10.94	11.88
14:43:50	15	41.553170	-91.336670	57	66	71	9041	29663	12.3V 19C HDOP01.0 SATS10	211	250	3.52	4.17	692	712.80	11.53	11.88
14:44:06	16	41.553670	-91.334000	56	64	69	9091	29827	12.3V 19C HDOP01.0 SATS10	187	234	3.12	3.91	615	712.10	10.25	11.87
14:44:23	17	41.554170	-91.331330	59	68	69	9140	29987	12.3V 19C HDOP01.0 SATS10	172	220	2.87	3.67	565	711.06	9.41	11.85
14:44:55	32	41.555000	-91.325830	59	68	80	9240	30316	12.3V 19C HDOP01.0 SATS10	188	117	3.13	1.96	617	710.39	10.28	11.84
14:45:10	15	41.555500	-91.323000	52	60	85	9288	30471	12.3V 19C HDOP01.0 SATS10	189	250	3.15	4.17	620	709.76	10.33	11.83
14:45:27	17	41.555830	-91.320500	48	55	92	9338	30638	12.3V 19C HDOP01.0 SATS10	180	220	2.99	3.67	589	708.92	9.82	11.82
14:45:42	15	41.556170	-91.317830	52	60	87	9386	30795	12.3V 19C HDOP01.0 SATS10	191	249	3.19	4.16	628	708.37	10.47	11.81
14:45:59	17	41.556330	-91.315500	41	47	103	9436	30959	12.3V 19C HDOP01.0 SATS10	176	220	2.94	3.66	579	707.48	9.65	11.79
14:46:15	16	41.556330	-91.312830	44	51	99	9487	31124	12.3V 19C HDOP01.0 SATS10	189	233	3.14	3.89	619	706.88	10.31	11.78
14:46:31	16	41.556330	-91.310500	46	53	102	9532	31272	12.3V 19C HDOP01.0 SATSQ0	169	233	2.82	3.88	555	705.85	9.25	11.76
14:46:47	16	41.556330	-91.308170	44	51	99	9583	31441	12.3V 19C HDOP01.0 SATS10	193	233	3.22	3.88	634	705.37	10.56	11.76
14:47:03	16	41.556170	-91.305830	39	45	94	9628	31589	12.3V 19C HDOP01.0 SATS10	169	232	2.82	3.87	555	704.36	9.25	11.74
14:47:19	16	41.556170	-91.303330	33	38	89	9677	31750	12.3V 19C HDOP01.0 SATS10	184	232	2.87	3.86	604	703.70	10.06	11.73
14:47:37	18	41.556000	-91.301170	35	40	90	9725	31906	12.3V 19C HDOP01.0 SATS10	159	206	2.64	3.43	520	702.49	8.67	11.71
14:48:07	30	41.555670	-91.296330	43	49	80	9821	32222	12.3V 17C HDOP01.0 SATS10	193	124	3.21	2.06	632	702.03	10.53	11.70
14:48:23	16	41.555500	-91.294000	48	55	94	9868	32374	12.3V 17C HDOP01.0 SATS10	174	232	2.90	3.87	570	701.17	9.50	11.69
14:48:40	17	41.555330	-91.291500	48	55	103	9916	32532	12.3V 17C HDOP01.0 SATS10	170	218	2.83	3.63	558	700.24	9.29	11.67
14:48:56	16	41.555330	-91.288830	50	58	93	9963	32687	12.3V 17C HDOP01.0 SATS10	177	231	2.95	3.85	581	699.48	9.69	11.66
14:49:13	17	41.555330	-91.286500	41	47	89	10008	32834	12.3V 17C HDOP01.0 SATS10	158	217	2.64	3.62	519	698.33	8.65	11.64
14:49:28	15	41.555500	-91.284000	39	45	99	10061	33008	12.3V 17C HDOP01.0 SATS10	212	246	3.54	4.10	696	698.32	11.60	11.64
14:49:44	16	41.555500	-91.281500	37	43	80	10104	33151	12.3V 17C HDOP01.0 SATS10	163	230	2.72	3.84	536	697.30	8.94	11.62
14:50:00	16	41.555670	-91.279000	54	62	77	10154	33313	12.3V 17C HDOP01.0 SATS10	185	230	3.09	3.83	608	696.74	10.13	11.61
14:50:16	16	41.555830	-91.276670	35	40	92	10201	33467	12.3V 17C HDOP01.0 SATS10	176	230	2.93	3.83	578	695.99	9.63	11.60
14:50:32	16	41.555830	-91.274170	50	58	97	10244	33609	12.3V 17C HDOP01.0 SATS10	162	229	2.71	3.82	532	694.99	8.87	11.58
14:50:48	16	41.555830	-91.271670	52	60	90	10291	33763	12.3V 17C HDOP01.0 SATS10	176	229	2.93	3.81	578	694.26	9.63	11.57
14:51:04	16	41.555830	-91.269170	57	66	87	10339	33922	12.3V 17C HDOP01.0 SATS10	182	229	3.03	3.81	596	693.67	9.94	11.56
14:51:21	17	41.555830	-91.266830	44	51	78	10388	34080	12.3V 17C HDOP01.0 SATS10	170	215	2.83	3.58	558	692.84	9.29	11.55
14:51:37	16	41.556000	-91.264330	44	51	75	10438	34246	12.3V 17C HDOP01.0 SATS10	190	228	3.16	3.80	623	692.42	10.38	11.54
14:52:09	32	41.556500	-91.258500	57	66	70	10540	34581	12.3V 17C HDOP01.0 SATS10	191	114	3.19	1.91	628	692.03	10.47	11.53
14:52:25	16	41.556830	-91.255170	57	66	69	10592	34750	12.3V 17C HDOP01.0 SATS10	193	229	3.22	3.81	634	691.69	10.56	11.53
14:52:41	16	41.557500	-91.251830	57	66	84	10644	34921	12.3V 15C HDOP01.0 SATS10	195	229	3.26	3.81	641	691.39	10.69	11.52
14:52:57	16	41.558000	-91.248830	59	68	86	10702	35110	12.3V 15C HDOP01.0 SATS10	216	228	3.60	3.81	709	691.49	11.81	11.52
14:53:13	16	41.558500	-91.246170	57	66	81	10758	35295	12.3V 15C HDOP01.0 SATS10	211	228	3.52	3.81	694	691.50	11.56	11.53
14:53:29	16	41.559170	-91.243830	59	68	76	10819	35494	12.3V 15C HDOP01.0 SATS09	227	228	3.79	3.81	746	691.82	12.44	11.53
14:53:46	17	41.559670	-91.241500	52	60	79	10872	35670	12.3V 15C HDOP01.0 SATS10	189	215	3.16	3.58	621	691.41	10.35	11.52
14:54:02	16	41.560170	-91.239500	52	60	73	10926	35848	12.3V 15C HDOP01.0 SATS10	203	228	3.39	3.80	667	691.28	11.12	11.52
14:54:17	15	41.560500	-91.237500	46	53	70	10982	36029	12.3V 15C HDOP01.0 SATS10	221	243	3.68	4.05	724	691.46	12.07	11.52
14:54:34	17	41.560830	-91.235500	39	45	65	11032	36195	12.3V 15C HDOP01.0 SATS10	179	214	2.98	3.57	586	690.86	9.77	11.51
14:55:06	32	41.561670	-91.231670	39	45	53	11165	36630	12.3V 15C HDOP01.0 SATS10	249	115	4.14	1.91	816	691.57	13.59	11.53
14:55:22	16	41.562670	-91.229670	44	51	35	11242	36883	12.3V 15C HDOP01.0 SATS10	289	230	4.82	3.83	949	693.01	15.81	11.55
14:55:38	16	41.563830	-91.227500	48	55	43	11291	37043	12.3V 15C HDOP01.0 SATS10	183	229	3.05	3.82	600	692.49	10.00	11.54
14:55:54	16	41.564830	-91.225170	52	60	51	11355	37253	12.3V 15C HDOP01.0 SATS10	240	229	4.00	3.82	787	693.02	13.12	11.55
14:56:26	32	41.567170	-91.219500	59	68	58	11460	37600	12.3V 15C HDOP01.0 SATS10	198	115	3.31	1.92	651	692.79	10.84	11.55
14:56:43	17	41.568330	-91.216500	56	64	72	11519	37793	12.3V 15C HDOP01.0 SATS09	208	217	3.46	3.61	681	692.72	11.35	11.55
14:56:58	15	41.569500	-91.213170	63	72	71	11581	37997	12.3V 15C HDOP01.0 SATS09	249	246	4.15	4.09	816	693.40	13.60	11.56
14:57:14	16	41.570670	-91.209500	65	75	80	11652	38229	12.3V 13C HDOP01.0 SATS09	265	230	4.42	3.84	870	694.36	14.50	11.57
14:57:30	16	41.571500	-91.205170	80	92	80	11722	38457	12.3V 13C HDOP01.0 SATS09	261	231	4.34	3.84	855	695.23	14.25	11.59
14:57:47	17	41.572170	-91.200670	85	98	83	11766	38603	12.3V 13C HDOP01.0 SATS09	157	217	2.62	3.61	515	694.26	8.59	11.57
14:58:02	15	41.572830	-91.196000	78	90	81	11814	38759	12.3V 13C HDOP01.0 SATS09	190	245	3.17	4.09	624	693.88	10.40	11.56
14:58:19	17	41.573500	-91.191830	94	108	84	11865	38927	12.3V 13C HDOP01.0 SATS09	181	216	3.01	3.60	593	693.35	9.88	11.56
14:58:35	16	41.574170	-91.186830	81	93	81	11916	39093	12.3V 13C HDOP01.0 SATS09	190	230	3.16	3.83	623	692.97	10.38	11.55
14:58:51	16	41.575000	-91.182330	87	100	79	11963	39248	12.3V 13C HDOP01.0 SATS09	177	229	2.95	3.82	581	692.38	9.69	11.54
14:59:23	32	41.576330	-91.173830	91	105	78	12069	39598	12.3V 13C HDOP01.0 SATS09	200	115	3.33	1.92	656	692.19	10.94	11.54
14:59:39	16	41.577170	-91.169500	94	108	76	12122	39771	12.3V 13C HDOP01.0 SATS09	198	230	3.30	3.83	649	691.97	10.81	11.53
14:59:55	16	41.577830	-91.165170	89	102	72	12177	39951	12.3V 13C HDOP01.0 SATS09	206	230	3.43	3.83	675	691.88	11.25	11.53
15:00:28	33	41.579330	-91.157170	72	83	66	12283	40297	12.3V 13C HDOP01.0 SATS09	192	117	3.20	1.86	629	691.56	10.49	11.53
15:00:46	18	41.580330	-91.152830	81	93	71											

Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate
										(m/min)	(m/min)	(m/sec)	(m/sec)	(ft/min)	(ft/min)	(ft/sec)	(ft/sec)
15:02:21	17	41.585670	-91.128330	63	72	63	12652	41510	12.3V 13C HDOP01.0 SATS09	196	216	3.26	3.60	642	690.02	10.71	11.50
15:02:37	16	41.586670	-91.124830	69	79	58	12702	41673	12.3V 13C HDOP01.0 SATS09	186	229	3.11	3.82	611	689.63	10.19	11.49
15:02:52	15	41.588000	-91.121670	65	75	53	12754	41843	12.3V 13C HDOP01.0 SATS09	207	245	3.45	4.08	680	689.59	11.33	11.49
15:03:09	17	41.589500	-91.118330	69	79	51	12807	42018	12.3V 11C HDOP01.0 SATS09	188	216	3.14	3.59	618	689.23	10.29	11.49
15:03:24	15	41.591000	-91.115000	63	72	65	12859	42188	12.3V 11C HDOP01.0 SATS09	207	244	3.45	4.07	680	689.19	11.33	11.49
15:03:42	18	41.592500	-91.111500	70	81	67	12911	42360	12.3V 11C HDOP01.0 SATS09	175	203	2.91	3.39	573	688.63	9.56	11.48
15:04:13	31	41.595170	-91.104000	87	100	68	13020	42718	12.3V 11C HDOP01.0 SATS09	211	119	3.52	1.98	693	688.65	11.55	11.48
15:04:29	16	41.596500	-91.100170	78	90	64	13070	42881	12.3V 11C HDOP01.1 SATS08	186	229	3.10	3.82	611	688.27	10.19	11.47
15:04:45	16	41.597830	-91.096170	81	93	71	13117	43036	12.3V 11C HDOP01.0 SATS09	177	229	2.95	3.82	581	687.76	9.69	11.46
15:05:01	16	41.599170	-91.092330	87	100	64	13174	43223	12.3V 11C HDOP01.0 SATS09	214	229	3.56	3.82	701	687.83	11.69	11.46
15:05:17	16	41.600670	-91.088330	70	81	61	13237	43429	12.3V 11C HDOP01.0 SATS09	235	229	3.92	3.82	773	688.23	12.88	11.47
15:05:33	16	41.602000	-91.084170	78	90	63	13299	43631	12.3V 11C HDOP01.0 SATS09	231	229	3.85	3.82	758	688.55	12.63	11.48
15:05:49	16	41.603000	-91.080170	80	92	64	13355	43815	12.3V 11C HDOP01.0 SATS09	210	229	3.51	3.82	690	688.56	11.50	11.48
15:06:05	16	41.603830	-91.076170	76	87	68	13413	44006	12.3V 11C HDOP01.0 SATS09	218	229	3.64	3.82	716	688.69	11.94	11.48
15:06:22	17	41.604670	-91.072330	85	98	69	13469	44190	12.3V 11C HDOP01.0 SATS09	198	215	3.30	3.59	649	688.51	10.82	11.48
15:06:37	15	41.605500	-91.068330	89	102	74	13523	44368	12.3V 11C HDOP01.0 SATS09	217	244	3.62	4.07	712	688.62	11.87	11.48
15:06:54	17	41.606170	-91.064330	87	100	82	13576	44540	12.3V 11C HDOP01.0 SATS09	185	215	3.08	3.59	607	688.24	10.12	11.47
15:07:09	15	41.607000	-91.059670	85	98	79	13629	44716	12.3V 11C HDOP01.0 SATS09	215	244	3.58	4.06	704	688.31	11.73	11.47
15:07:26	17	41.607670	-91.055670	65	75	83	13682	44890	12.3V 11C HDOP01.0 SATS09	187	215	3.12	3.58	614	687.97	10.23	11.47
15:07:42	16	41.608000	-91.051500	74	85	93	13737	45069	12.3V 11C HDOP01.0 SATS09	205	228	3.41	3.80	671	687.90	11.19	11.46
15:07:58	16	41.608000	-91.047670	63	72	94	13787	45234	12.3V 11C HDOP01.0 SATS09	189	228	3.14	3.80	619	687.59	10.31	11.46
15:08:33	35	41.608000	-91.040000	67	77	81	13878	45532	12.3V 11C HDOP01.0 SATS09	156	105	2.60	1.74	511	686.79	8.51	11.45
15:08:46	13	41.608170	-91.036170	69	79	92	13929	45698	12.2V 11C HDOP01.0 SATS09	234	281	3.89	4.69	766	687.15	12.77	11.45
15:09:02	16	41.608170	-91.032330	61	70	92	13976	45853	12.3V 11C HDOP01.0 SATS09	177	228	2.95	3.80	581	686.67	9.69	11.44
15:09:18	16	41.608000	-91.028670	70	81	90	14027	46021	12.3V 11C HDOP01.0 SATS09	192	228	3.20	3.80	630	686.42	10.50	11.44
15:09:35	17	41.608170	-91.025000	72	83	91	14080	46195	12.3V 11C HDOP01.0 SATS09	187	215	3.12	3.58	614	686.10	10.24	11.44
15:09:51	16	41.608330	-91.021000	59	68	84	14132	46365	12.2V 11C HDOP01.0 SATS09	194	228	3.24	3.80	637	685.89	10.62	11.43
15:10:07	16	41.608500	-91.017670	78	90	83	14190	46554	12.2V 11C HDOP01.0 SATS09	216	228	3.60	3.80	709	685.99	11.81	11.43
15:10:23	16	41.608830	-91.014000	63	72	94	14251	46754	12.3V 11C HDOP01.0 SATS09	229	228	3.81	3.80	750	686.27	12.50	11.44
15:10:39	16	41.609330	-91.010670	69	79	81	14303	46927	12.2V 11C HDOP01.0 SATS09	198	228	3.30	3.79	649	686.10	10.81	11.44
15:10:55	16	41.609670	-91.007000	65	75	75	14367	47136	12.2V 11C HDOP01.0 SATS09	239	228	3.98	3.79	784	686.53	13.06	11.44
15:11:11	16	41.610000	-91.003330	76	87	76	14428	47336	12.2V 11C HDOP01.0 SATS09	229	228	3.81	3.79	750	686.80	12.50	11.45
15:11:27	16	41.610330	-90.999500	74	85	85	14484	47521	12.2V 11C HDOP01.0 SATS09	211	228	3.52	3.79	694	686.83	11.56	11.45
15:11:43	16	41.610500	-90.995670	67	77	85	14544	47715	12.2V 11C HDOP01.0 SATS09	222	228	3.70	3.79	727	687.00	12.12	11.45
15:12:01	18	41.610670	-90.992170	78	90	91	14601	47902	12.2V 11C HDOP01.0 SATS09	190	202	3.17	3.37	623	686.73	10.39	11.45
15:12:16	15	41.610500	-90.988500	70	81	87	14655	48081	12.2V 11C HDOP01.0 SATS09	218	243	3.64	4.04	716	686.86	11.93	11.45
15:12:32	16	41.610500	-90.984830	65	75	84	14708	48255	12.2V 11C HDOP01.0 SATS09	199	227	3.31	3.79	652	686.71	10.87	11.45
15:12:48	16	41.610330	-90.981330	59	68	88	14761	48429	12.2V 11C HDOP01.0 SATS09	199	227	3.31	3.79	653	686.57	10.88	11.44
15:13:04	16	41.610330	-90.977670	57	66	81	14811	48594	12.2V 11C HDOP01.0 SATS09	189	227	3.14	3.78	619	686.28	10.31	11.44
15:13:20	16	41.610170	-90.974670	54	62	97	14865	48769	12.2V 11C HDOP01.0 SATS09	200	227	3.33	3.78	656	686.16	10.94	11.44
15:13:35	32	41.610170	-90.968330	54	62	100	14961	49086	12.2V 11C HDOP01.0 SATS09	181	114	3.02	1.90	594	685.78	9.91	11.43
15:14:10	18	41.610330	-90.965170	59	68	92	15015	49261	12.2V 11C HDOP01.0 SATS09	178	202	2.96	3.37	583	685.35	9.72	11.42
15:14:24	14	41.610500	-90.962170	70	81	80	15062	49417	12.2V 11C HDOP01.0 SATS09	204	260	3.40	4.33	669	685.29	11.14	11.42
15:14:40	16	41.610670	-90.959000	57	66	73	15112	49580	12.2V 11C HDOP01.0 SATS09	186	227	3.11	3.78	611	684.98	10.19	11.42
15:14:57	17	41.611000	-90.955670	61	70	90	15165	49754	12.2V 11C HDOP01.0 SATS09	187	214	3.12	3.56	614	684.69	10.24	11.41
15:15:29	32	41.610500	-90.948830	59	68	108	15272	50105	12.2V 11C HDOP01.0 SATS09	201	114	3.34	1.90	658	684.59	10.97	11.41
15:16:01	32	41.609670	-90.942500	52	60	105	15393	50501	12.2V 11C HDOP01.0 SATS09	226	114	3.77	1.90	742	684.82	12.37	11.41
15:16:33	32	41.609170	-90.936830	48	55	104	15524	50933	12.2V 11C HDOP01.0 SATS09	247	115	4.11	1.91	810	685.32	13.50	11.42
15:17:05	32	41.608830	-90.931000	61	70	89	15665	51393	12.2V 11C HDOP01.0 SATS09	263	115	4.38	1.92	863	686.04	14.38	11.43
15:17:22	17	41.608670	-90.928170	52	60	96	15729	51603	12.2V 11C HDOP01.0 SATS09	226	217	3.76	3.62	741	686.26	12.35	11.44
15:17:37	15	41.608500	-90.925330	57	66	91	15791	51809	12.2V 09C HDOP01.0 SATS09	251	246	4.19	4.10	824	686.81	13.73	11.45
15:18:09	32	41.608500	-90.919830	57	66	79	15914	52212	12.2V 09C HDOP00.9 SATS09	230	116	3.84	1.93	756	687.08	12.59	11.45
15:18:25	16	41.608670	-90.916830	50	58	89	15975	52411	12.2V 09C HDOP00.9 SATS09	227	232	3.79	3.86	746	687.31	12.44	11.46
15:18:42	17	41.609000	-90.913670	72	83	78	16032	52598	12.2V 09C HDOP00.9 SATS09	201	218	3.35	3.63	660	687.20	11.00	11.45
15:18:58	16	41.609500	-90.910330	54	62	77	16086	52774	12.2V 09C HDOP00.9 SATS09	201	231	3.35	3.86	660	687.10	11.00	11.45
15:19:46	48	41.610670	-90.900830	54	62	91	16233	53258	12.2V 09C HDOP00.9 SATS09	184	78	3.07	1.29	605	686.78	10.08	11.45
15:20:02	16	41.610830	-90.897830	54	62	85	16281	53416	12.2V 09C HDOP00.9 SATS09	181	233	3.01	3.88	593	686.41	9.88	11.44
15:20:18	16	41.610830	-90.895000	46	53	86	16329	53574	12.2V 09C HDOP00.9 SATS09	181	232	3.01	3.87	593	686.05	9.88	11.43
15:20:34	16	41.610830	-90.892170	48	55	86	16377	53729	12.2V 09C HDOP00.9 SATS09	177	232	2.95	3.87	581	685.64	9.69	11.43
15:20:50	16	41.610830	-90.888830	65	75	103	16427	53894	12.2V 09C HDOP00.9 SATS09	189	232	3.14	3.87	619	685.38	10.31	11.42
15:21:06	16	41.610500	-90.885670	63	72	97	16478	54063	12.2V 09C HDOP00.9 SATS09	193	232	3.22	3.86	634	685.19	10.56	11.42
15:21:22	16	41.610170	-90.882830	48	55	110	16534	54247	12.2V 09C HDOP00.9 SATS09	210	232	3.51	3.86	690	685.21	11.50	11.42
15:21:38	16	41.609500	-90.880170	54	62	110	16592	54437	12.2V 09C HDOP00.9 SATS09	217	232	3.62	3.86	712	685.31	11.87	11.42
15:21:55	17	41.60867															

Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate
										(m/min)	(m/min)	(m/sec)	(m/sec)	(ft/min)	(ft/min)	(ft/sec)	(ft/sec)
15:23:31	16	41.604330	-90.863170	59	68	97	17023	55850	12.2V 09C HDOP00.9 SATS09	221	232	3.68	3.86	724	687.00	12.06	11.45
15:23:47	16	41.603830	-90.860670	48	55	103	17076	56024	12.2V 09C HDOP00.9 SATS09	199	232	3.31	3.86	653	686.88	10.88	11.45
15:24:03	16	41.603500	-90.858000	39	45	95	17130	56200	12.2V 09C HDOP00.9 SATS09	201	231	3.35	3.86	660	686.78	11.00	11.45
15:24:19	16	41.603170	-90.855670	31	36	96	17182	56373	12.2V 09C HDOP00.9 SATS09	198	231	3.30	3.86	649	686.64	10.81	11.44
15:24:36	17	41.602830	-90.853000	54	62	112	17235	56545	12.2V 09C HDOP00.9 SATS09	185	218	3.08	3.63	607	686.35	10.12	11.44
15:24:54	18	41.602330	-90.850500	46	53	101	17284	56707	12.2V 09C HDOP00.9 SATS09	165	205	2.74	3.42	540	685.82	9.00	11.43
15:25:08	14	41.601830	-90.848170	46	53	98	17336	56875	12.2V 09C HDOP00.9 SATS09	219	264	3.66	4.40	720	685.94	12.00	11.43
15:25:24	16	41.601170	-90.845670	46	53	97	17391	57057	12.2V 09C HDOP00.9 SATS09	208	231	3.47	3.85	682	685.93	11.37	11.43
15:25:40	16	41.600830	-90.843500	39	45	115	17447	57241	12.2V 09C HDOP00.9 SATS09	210	231	3.51	3.85	690	685.94	11.50	11.43
15:25:56	16	41.600330	-90.841000	50	58	95	17509	57443	12.2V 09C HDOP00.9 SATS09	231	231	3.85	3.85	758	686.20	12.63	11.44
15:26:12	16	41.599830	-90.838830	44	51	96	17567	57636	12.2V 09C HDOP00.9 SATS09	221	231	3.68	3.84	724	686.33	12.06	11.44
15:26:28	16	41.599500	-90.836670	44	51	109	17628	57834	12.2V 09C HDOP00.9 SATS09	226	231	3.77	3.84	742	686.53	12.37	11.44
15:26:44	16	41.599330	-90.834330	39	45	84	17690	58038	12.2V 09C HDOP00.9 SATS09	233	231	3.89	3.84	765	686.81	12.75	11.45
15:27:01	17	41.599170	-90.832170	46	53	96	17752	58243	12.2V 09C HDOP00.9 SATS09	221	217	3.68	3.62	724	686.94	12.06	11.45
15:27:17	16	41.599170	-90.830000	46	53	102	17816	58450	12.2V 09C HDOP00.9 SATS09	237	231	3.94	3.85	776	687.26	12.94	11.45
15:27:33	16	41.599170	-90.827670	43	49	100	17882	58668	12.2V 09C HDOP00.9 SATS09	249	231	4.15	3.85	818	687.71	13.63	11.46
15:27:48	15	41.598830	-90.825670	31	36	88	17947	58881	12.2V 09C HDOP00.9 SATS09	260	246	4.33	4.10	852	688.29	14.20	11.47
15:28:04	16	41.598830	-90.824000	35	40	101	18014	59101	12.2V 09C HDOP00.9 SATS09	251	231	4.19	3.85	825	688.76	13.75	11.48
15:28:21	17	41.598670	-90.822000	31	36	101	18077	59307	12.2V 09C HDOP00.9 SATS09	222	217	3.69	3.62	727	688.90	12.12	11.48
15:28:37	16	41.598330	-90.819670	35	40	94	18145	59531	12.2V 09C HDOP00.9 SATS09	256	231	4.27	3.85	840	689.42	14.00	11.49
15:28:53	16	41.598000	-90.817330	50	58	94	18202	59718	12.2V 09C HDOP00.9 SATS09	214	231	3.56	3.85	701	689.46	11.69	11.49
15:29:09	16	41.597830	-90.815000	44	51	108	18267	59932	12.2V 09C HDOP00.9 SATS09	245	231	4.08	3.85	802	689.85	13.37	11.50
15:29:26	17	41.597170	-90.812830	52	60	100	18330	60138	12.2V 09C HDOP00.9 SATS09	222	217	3.69	3.62	727	689.98	12.12	11.50
15:29:42	16	41.596500	-90.810170	43	49	117	18394	60349	12.2V 09C HDOP00.9 SATS09	241	231	4.02	3.85	791	690.32	13.19	11.51
15:29:57	15	41.596000	-90.808000	35	40	96	18456	60550	12.2V 09C HDOP00.9 SATS09	245	246	4.08	4.11	804	690.71	13.40	11.51
15:30:30	33	41.595500	-90.804000	43	49	122	18571	60927	12.2V 09C HDOP00.9 SATS09	209	112	3.48	1.87	685	690.69	11.42	11.51
15:30:46	16	41.595000	-90.802170	26	30	110	18625	61107	12.2V 09C HDOP00.9 SATS09	206	232	3.43	3.86	675	690.64	11.25	11.51
15:31:02	16	41.594830	-90.800170	37	43	97	18682	61294	12.2V 09C HDOP00.9 SATS09	214	232	3.56	3.86	701	690.67	11.69	11.51
15:31:34	32	41.594330	-90.796670	24	28	101	18796	61667	12.2V 09C HDOP00.9 SATS10	213	116	3.55	1.94	699	690.70	11.66	11.51
15:32:06	32	41.594330	-90.793170	41	47	90	18915	62056	12.2V 09C HDOP00.9 SATS10	222	116	3.71	1.94	729	690.83	12.16	11.51
15:32:22	16	41.594500	-90.791170	37	43	96	18981	62275	12.2V 09C HDOP00.9 SATS10	250	233	4.17	3.88	821	691.27	13.69	11.52
15:32:39	17	41.594330	-90.789500	19	22	75	19045	62484	12.2V 09C HDOP00.9 SATS10	225	219	3.75	3.65	738	691.42	12.29	11.52
15:32:54	15	41.594330	-90.788500	24	28	127	19105	62682	12.2V 09C HDOP00.9 SATS10	241	248	4.02	4.14	792	691.75	13.20	11.53
15:33:11	17	41.594330	-90.787170	28	32	90	19167	62883	12.2V 09C HDOP00.9 SATS10	216	219	3.60	3.65	709	691.81	11.82	11.53
15:33:26	15	41.594170	-90.785500	35	40	110	19231	63093	12.2V 09C HDOP00.9 SATS10	256	249	4.27	4.14	840	692.30	14.00	11.54
15:33:42	16	41.594000	-90.784000	31	36	99	19296	63307	12.2V 09C HDOP00.9 SATS10	245	233	4.08	3.88	802	692.66	13.37	11.54
15:33:58	16	41.593830	-90.782330	22	25	89	19358	63510	12.2V 09C HDOP00.9 SATS10	232	233	3.87	3.88	761	692.88	12.69	11.55
15:34:15	17	41.593670	-90.780830	28	32	95	19420	63715	12.2V 09C HDOP00.9 SATS10	221	219	3.68	3.66	723	692.98	12.06	11.55
15:34:31	16	41.593670	-90.779500	33	38	99	19480	63910	12.2V 09C HDOP00.9 SATS10	223	233	3.71	3.88	731	693.11	12.19	11.55
15:34:47	16	41.593670	-90.778500	15	17	74	19540	64107	12.2V 09C HDOP00.9 SATS10	225	233	3.75	3.88	739	693.26	12.31	11.55
15:35:03	16	41.593830	-90.777330	19	22	80	19602	64312	12.2V 09C HDOP00.9 SATS10	234	233	3.91	3.88	769	693.50	12.81	11.56
15:35:19	16	41.594000	-90.776330	28	32	86	19657	64492	12.2V 09C HDOP00.9 SATS10	206	233	3.43	3.88	675	693.44	11.25	11.56
15:35:35	16	41.594000	-90.775000	20	23	56	19719	64696	12.2V 09C HDOP00.9 SATS10	233	233	3.89	3.88	765	693.67	12.75	11.56
15:35:51	16	41.594330	-90.774000	17	20	72	19780	64894	12.2V 09C HDOP00.9 SATS10	226	233	3.77	3.88	742	693.83	12.37	11.56
15:36:07	16	41.594670	-90.772830	22	25	68	19842	65099	12.2V 09C HDOP00.9 SATS10	234	233	3.91	3.88	769	694.06	12.81	11.57
15:36:23	16	41.595000	-90.771500	30	35	80	19906	65308	12.2V 09C HDOP00.9 SATS10	239	233	3.98	3.88	784	694.35	13.06	11.57
15:36:39	16	41.595330	-90.770000	28	32	49	19971	65523	12.2V 09C HDOP00.9 SATS10	246	233	4.10	3.88	806	694.70	13.44	11.58
15:36:56	17	41.595830	-90.768830	31	36	78	20035	65733	12.2V 09C HDOP00.9 SATS10	226	219	3.77	3.65	741	694.85	12.35	11.58
15:37:11	15	41.596500	-90.767330	31	36	51	20105	65962	12.2V 09C HDOP00.9 SATS10	279	249	4.65	4.14	916	695.55	15.27	11.59
15:37:28	17	41.596830	-90.766330	20	23	49	20175	66191	12.2V 09C HDOP00.9 SATS10	246	219	4.11	3.66	808	695.90	13.47	11.60
15:37:44	16	41.597330	-90.765500	22	25	63	20241	66407	12.2V 09C HDOP00.9 SATS10	247	233	4.11	3.89	810	696.25	13.50	11.60
15:38:00	16	41.597500	-90.764670	15	17	72	20308	66628	12.2V 09C HDOP00.9 SATS10	253	233	4.21	3.89	829	696.67	13.81	11.61
15:38:16	16	41.597830	-90.764000	6	7	38	20378	66858	12.2V 09C HDOP00.9 SATS10	263	233	4.38	3.89	863	697.18	14.38	11.62
15:38:33	17	41.598330	-90.763670	15	17	42	20440	67059	12.2V 09C HDOP00.9 SATS10	216	220	3.60	3.66	709	697.22	11.82	11.62
15:38:48	15	41.598670	-90.763330	6	7	327	20503	67266	12.2V 09C HDOP00.8 SATS10	252	249	4.21	4.15	828	697.62	13.80	11.63
15:39:05	17	41.599170	-90.763000	15	17	20	20566	67475	12.2V 09C HDOP00.8 SATS10	225	220	3.75	3.66	738	697.75	12.29	11.63
15:39:20	15	41.599670	-90.762830	20	23	39	20631	67688	12.2V 09C HDOP00.8 SATS10	260	249	4.33	4.15	852	698.22	14.20	11.64
15:39:36	16	41.600000	-90.762670	4	5	300	20695	67896	12.2V 09C HDOP00.8 SATS10	238	233	3.96	3.89	780	698.47	13.00	11.64
15:39:52	16	41.600170	-90.762170	7	8	62	20757	68101	12.2V 09C HDOP00.8 SATS10	234	233	3.90	3.89	769	698.68	12.81	11.64
15:40:09	17	41.600670	-90.761500	26	30	56	20818	68302	12.2V 09C HDOP00.8 SATS10	216	220	3.60	3.66	709	698.72	11.82	11.65
15:40:24	15	41.601330	-90.761000	11	13	23	20882	68512	12.2V 09C HDOP00.8 SATS10	256	249	4.27	4.15	840	699.15	14.00	11.65
15:40:41	17	41.601830	-90.760330	26	30	35	20945	68716	12.2V 09C HDOP00.8 SATS10	219	220	3.66	3.66	720	699.21	12.00	11.65
15:40:57	16	41.602330	-90.759170	20	23	42	21013	68939	12.2V 09C HDOP00.8 SATS10	255	233	4.25	3.89	836	699.62	13.94	11.66
15:41:13	16																

Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate
										(m/min)	(m/min)	(m/sec)	(m/sec)	(ft/min)	(ft/min)	(ft/sec)	(ft/sec)
15:43:05	32	41.602670	-90.755170	11	13	310	21531	70640	12.2V 09C HDOP00.8 SATS10	125	117	2.08	1.95	409	702.79	6.81	11.71
15:43:22	17	41.603000	-90.755170	7	8	17	21599	70863	12.2V 09C HDOP00.8 SATS10	240	221	4.00	3.68	787	703.03	13.12	11.72
15:43:38	16	41.603670	-90.755500	11	13	342	21665	71081	12.2V 09C HDOP00.8 SATS10	249	234	4.15	3.91	818	703.37	13.63	11.72
15:43:54	16	41.604330	-90.755330	19	22	14	21730	71293	12.2V 09C HDOP00.8 SATS10	242	234	4.04	3.91	795	703.64	13.25	11.73
15:44:10	16	41.605000	-90.754830	11	13	31	21797	71512	12.2V 09C HDOP00.8 SATS10	250	235	4.17	3.91	821	703.98	13.69	11.73
15:44:26	16	41.605670	-90.754170	13	15	18	21851	71691	12.2V 09C HDOP00.8 SATS10	205	234	3.41	3.91	671	703.88	11.19	11.73
15:44:42	16	41.606000	-90.753830	13	15	68	21911	71888	12.2V 09C HDOP00.8 SATS10	225	234	3.75	3.91	739	703.99	12.31	11.73
15:44:59	17	41.606500	-90.753830	9	10	336	21971	72083	12.2V 09C HDOP00.8 SATS10	210	221	3.50	3.68	688	703.94	11.47	11.73
15:45:14	15	41.606670	-90.754000	15	17	302	22028	72270	12.2V 09C HDOP00.8 SATS10	228	250	3.80	4.17	748	704.07	12.47	11.73
15:45:31	17	41.607170	-90.754330	11	13	359	22086	72460	12.2V 09C HDOP00.8 SATS10	204	221	3.41	3.68	671	703.97	11.18	11.73
15:45:47	16	41.607830	-90.754670	22	25	334	22148	72665	12.2V 09C HDOP00.8 SATS10	234	234	3.90	3.90	769	704.16	12.81	11.74
15:46:03	16	41.608330	-90.754670	9	10	325	22210	72869	12.2V 09C HDOP00.8 SATS10	233	234	3.89	3.90	765	704.33	12.75	11.74
15:46:19	16	41.608500	-90.754830	2	2	332	22270	73063	12.2V 09C HDOP00.8 SATS10	222	234	3.70	3.90	727	704.40	12.12	11.74
15:46:35	16	41.608500	-90.755000	7	8	302	22329	73259	12.2V 09C HDOP00.8 SATS10	224	234	3.73	3.90	735	704.48	12.25	11.74
15:46:50	15	41.608500	-90.755170	7	8	126	22388	73452	12.2V 09C HDOP00.8 SATS10	235	250	3.92	4.16	772	704.67	12.87	11.74
15:47:07	17	41.608830	-90.755330	19	22	326	22449	73652	12.2V 09C HDOP00.8 SATS10	215	220	3.59	3.67	706	704.68	11.76	11.74
15:47:23	16	41.609330	-90.755500	9	10	43	22518	73878	12.2V 09C HDOP00.8 SATS10	258	234	4.30	3.90	847	705.08	14.12	11.75
15:47:40	17	41.609830	-90.755670	19	22	338	22583	74091	12.2V 09C HDOP00.8 SATS10	229	220	3.82	3.67	752	705.21	12.53	11.75
15:47:55	15	41.610000	-90.755670	7	8	28	22648	74304	12.2V 09C HDOP00.8 SATS10	260	250	4.33	4.17	852	705.62	14.20	11.76
15:48:11	16	41.610500	-90.755670	15	17	318	22716	74529	12.2V 09C HDOP00.8 SATS10	257	234	4.29	3.91	844	706.01	14.06	11.77
15:48:27	16	41.610830	-90.755330	19	22	51	22787	74762	12.2V 09C HDOP00.8 SATS10	266	234	4.44	3.91	874	706.48	14.56	11.77
15:48:44	17	41.611330	-90.754830	11	13	17	22856	74988	12.2V 09C HDOP00.8 SATS10	243	221	4.05	3.68	798	706.73	13.29	11.78
15:48:59	15	41.611830	-90.754670	6	7	18	22925	75214	12.2V 09C HDOP00.8 SATS10	276	250	4.59	4.17	904	707.28	15.07	11.79
15:49:16	17	41.612330	-90.754670	19	22	352	22993	75437	12.2V 09C HDOP00.8 SATS10	240	221	4.00	3.68	787	707.50	13.12	11.79
15:49:31	15	41.612670	-90.754330	13	15	56	23066	75676	12.2V 09C HDOP00.8 SATS10	291	250	4.86	4.17	956	708.18	15.93	11.80
15:49:48	17	41.613170	-90.754000	13	15	22	23139	75916	12.2V 09C HDOP00.8 SATS10	258	221	4.30	3.68	847	708.56	14.12	11.81
15:50:04	16	41.613500	-90.753670	11	13	339	23217	76172	12.2V 09C HDOP00.8 SATS10	293	235	4.88	3.92	960	709.25	16.00	11.82
15:50:20	16	41.613670	-90.754000	0	0	324	23288	76403	12.2V 09C HDOP00.8 SATS10	264	235	4.40	3.92	866	709.68	14.44	11.83
15:50:36	16	41.613670	-90.754170	13	15	301	23364	76654	12.2V 09C HDOP00.8 SATS10	237	235	4.78	3.92	941	710.31	15.69	11.84
15:50:52	16	41.614170	-90.754670	13	15	349	23440	76904	12.2V 11C HDOP00.8 SATS10	286	235	4.76	3.92	938	710.93	15.63	11.85
15:51:08	16	41.614500	-90.755000	9	10	284	23513	77144	12.2V 09C HDOP00.8 SATS10	274	235	4.57	3.92	900	711.44	15.00	11.86
15:51:24	16	41.614330	-90.755500	9	10	250	23579	77360	12.2V 09C HDOP01.0 SATS09	247	235	4.12	3.92	810	711.71	13.50	11.86
15:51:40	16	41.614170	-90.755670	4	5	175	23642	77566	12.2V 09C HDOP00.9 SATS09	235	235	3.92	3.92	773	711.87	12.88	11.86
15:51:57	17	41.614330	-90.755830	6	7	287	23700	77755	12.2V 09C HDOP00.9 SATS09	203	222	3.39	3.69	667	711.75	11.12	11.86
15:52:13	16	41.614670	-90.755670	17	20	27	23761	77955	12.2V 09C HDOP01.0 SATS09	229	235	3.81	3.92	750	711.85	12.50	11.86
15:52:29	16	41.614830	-90.755670	9	10	206	23818	78144	12.2V 09C HDOP01.0 SATS09	216	235	3.60	3.92	709	711.84	11.81	11.86
15:52:44	15	41.614830	-90.756170	19	22	311	23877	78338	12.2V 11C HDOP01.0 SATS09	237	251	3.94	4.18	776	712.02	12.93	11.87
15:53:01	17	41.615000	-90.756830	0	0	324	23934	78522	12.2V 11C HDOP01.0 SATS09	198	221	3.30	3.69	649	711.85	10.82	11.86
15:53:17	16	41.615170	-90.757330	15	17	317	23994	78721	12.2V 11C HDOP01.0 SATS09	227	235	3.79	3.92	746	711.94	12.44	11.87
15:53:33	16	41.615170	-90.757500	0	0	282	24052	78910	12.2V 09C HDOP00.9 SATS09	216	235	3.60	3.92	709	711.93	11.81	11.87
15:53:49	16	41.615170	-90.757830	9	10	298	24119	79130	12.2V 11C HDOP01.0 SATS09	251	235	4.19	3.92	825	712.23	13.75	11.87
15:54:06	17	41.615330	-90.758000	7	8	269	24186	79351	12.2V 11C HDOP00.9 SATS09	238	221	3.96	3.69	780	712.41	13.00	11.87
15:54:21	15	41.615330	-90.758500	4	5	287	24256	79579	12.2V 11C HDOP01.0 SATS09	278	251	4.63	4.18	912	712.93	15.20	11.88
15:54:38	17	41.615500	-90.759000	19	22	297	24326	79811	12.2V 11C HDOP01.0 SATS09	250	222	4.16	3.69	819	713.21	13.65	11.89
15:54:54	16	41.616000	-90.760000	22	25	309	24398	80047	12.2V 11C HDOP01.0 SATS09	270	236	4.50	3.93	885	713.66	14.75	11.89
15:55:10	16	41.616670	-90.760830	17	20	322	24467	80273	12.2V 11C HDOP01.0 SATS09	258	236	4.30	3.93	847	714.01	14.12	11.90
15:55:25	15	41.617000	-90.761670	20	23	299	24539	80509	12.2V 11C HDOP01.0 SATS09	288	251	4.80	4.19	944	714.60	15.73	11.91
15:55:42	17	41.617170	-90.762000	7	8	41	24611	80744	12.2V 11C HDOP01.0 SATS09	253	222	4.21	3.70	829	714.90	13.82	11.92
15:55:58	16	41.617670	-90.762170	19	22	338	24685	80987	12.2V 11C HDOP01.0 SATS09	278	236	4.63	3.93	911	715.41	15.19	11.92
15:56:14	16	41.618170	-90.762000	13	15	28	24752	81206	12.2V 11C HDOP01.0 SATS09	250	236	4.17	3.93	821	715.68	13.69	11.93
15:56:30	16	41.618670	-90.761670	17	20	6	24822	81437	12.2V 11C HDOP01.0 SATS09	264	236	4.40	3.93	866	716.07	14.44	11.93
15:56:46	16	41.619330	-90.761170	15	17	44	24892	81666	12.2V 11C HDOP01.0 SATS09	262	236	4.36	3.93	859	716.43	14.31	11.94
15:57:02	16	41.619670	-90.760830	9	10	347	24959	81886	12.2V 11C HDOP01.0 SATS09	251	236	4.19	3.93	825	716.71	13.75	11.95
15:57:19	17	41.619830	-90.760500	11	13	77	25024	82101	12.2V 11C HDOP01.0 SATS09	231	222	3.85	3.70	759	716.82	12.65	11.95
15:57:35	16	41.619830	-90.760000	6	7	115	25092	82324	12.2V 11C HDOP01.0 SATS09	255	236	4.25	3.94	836	717.12	13.94	11.95
15:57:51	16	41.619670	-90.759830	4	5	178	25156	82534	12.2V 11C HDOP00.9 SATS09	240	236	4.00	3.94	787	717.30	13.12	11.96
15:58:06	15	41.619500	-90.759500	4	5	124	25228	82769	12.2V 11C HDOP01.0 SATS09	287	252	4.78	4.20	940	717.87	15.67	11.96
15:58:23	17	41.619170	-90.759830	11	13	234	25298	82999	12.2V 11C HDOP01.0 SATS09	247	222	4.12	3.71	812	718.10	13.53	11.97
15:58:38	15	41.619000	-90.760170	11	13	257	25369	83230	12.2V 11C HDOP00.9 SATS09	282	252	4.69	4.20	924	718.62	15.40	11.98
15:58:56	18	41.619170	-90.760830	15	17	295	25442	83470	12.2V 11C HDOP01.0 SATS09	244	210	4.06	3.50	800	718.83	13.33	11.98
15:59:11	15	41.619330	-90.761170	2	2	305	25518	83720	12.2V 11C HDOP00.9 SATS09	305	252	5.08	4.21	1000	719.53	16.67	11.99
15:59:27	16	41.619670	-90.761500	13	15	317	25589	83953	12.2V 11C HDOP00.9 SATS09	266	237	4.44	3.94	874	719.92	14.56	12.00
15:59:43	16	41.620000	-90.761830	7	8	17	25667	84209	12.2V 11C HDOP00.9 SATS09	2563	237	4.88	3.95	960	720.52	16.00	12.01
15:59:59	16	41.620330															

Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate
										(m/min)	(m/min)	(m/sec)	(m/sec)	(ft/min)	(ft/min)	(ft/sec)	(ft/sec)
16:01:36	16	41.622000	-90.767830	24	28	312	26178	85885	12.2V 11C HDOP00.9 SATS09	259	237	4.32	3.96	851	723.45	14.19	12.06
16:01:52	16	41.622670	-90.768830	19	22	333	26245	86104	12.2V 11C HDOP00.9 SATS09	250	237	4.17	3.96	821	723.69	13.69	12.06
16:02:08	16	41.623500	-90.769830	37	43	308	26314	86331	12.2V 11C HDOP00.9 SATS09	259	238	4.32	3.96	851	724.00	14.19	12.07
16:02:24	16	41.624500	-90.770830	19	22	337	26386	86569	12.2V 11C HDOP00.9 SATS09	272	238	4.53	3.96	892	724.41	14.87	12.07
16:02:40	16	41.625170	-90.771670	20	23	302	26453	86788	12.2V 11C HDOP00.9 SATS09	250	238	4.17	3.96	821	724.65	13.69	12.08
16:02:56	16	41.625500	-90.772500	19	22	293	26522	87015	12.2V 11C HDOP00.9 SATS09	259	238	4.32	3.96	851	724.95	14.19	12.08
16:03:12	16	41.625670	-90.773170	13	15	261	26593	87248	12.2V 11C HDOP00.9 SATS09	266	238	4.44	3.96	874	725.31	14.56	12.09
16:03:28	16	41.625500	-90.774000	17	20	254	26660	87467	12.2V 11C HDOP00.9 SATS09	250	238	4.17	3.96	821	725.54	13.69	12.09
16:03:45	17	41.625170	-90.775000	20	23	256	26732	87702	12.2V 11C HDOP00.9 SATS09	253	224	4.21	3.73	829	725.79	13.82	12.10
16:04:01	16	41.624830	-90.775830	15	17	223	26804	87938	12.2V 11C HDOP00.9 SATS09	270	238	4.50	3.97	885	726.18	14.75	12.10
16:04:17	16	41.624670	-90.776670	19	22	271	26878	88182	12.2V 11C HDOP00.9 SATS09	279	238	4.65	3.97	915	726.63	15.25	12.11
16:04:33	16	41.624500	-90.778000	28	32	271	26951	88422	12.2V 11C HDOP00.9 SATS09	274	238	4.57	3.97	900	727.04	15.00	12.12
16:04:49	16	41.624330	-90.779330	20	23	248	27025	88664	12.2V 11C HDOP00.9 SATS09	277	238	4.61	3.97	907	727.47	15.12	12.12
16:05:05	16	41.624330	-90.780330	15	17	275	27103	88922	12.2V 11C HDOP00.9 SATS09	295	238	4.91	3.97	968	728.04	16.13	12.13
16:05:21	16	41.624170	-90.780830	11	13	226	27171	89145	12.2V 11C HDOP00.9 SATS09	255	238	4.25	3.97	836	728.30	13.94	12.14
16:05:53	32	41.623000	-90.782170	17	20	260	27319	89630	12.2V 11C HDOP00.9 SATS09	277	120	4.62	1.99	909	728.73	15.16	12.15
16:06:09	16	41.622670	-90.783000	17	20	232	27390	89862	12.2V 11C HDOP00.9 SATS09	265	239	4.42	3.99	870	729.06	14.50	12.15
16:06:26	17	41.622330	-90.784000	13	15	204	27458	90086	12.2V 11C HDOP00.9 SATS09	241	225	4.02	3.75	791	729.20	13.18	12.15
16:06:41	15	41.621830	-90.784500	22	25	198	27523	90298	12.2V 11C HDOP00.9 SATS09	258	255	4.31	4.25	848	729.48	14.13	12.16
16:06:58	17	41.621000	-90.784830	22	25	216	27585	90503	12.2V 11C HDOP00.9 SATS09	221	225	3.68	3.75	723	729.47	12.06	12.16
16:07:13	15	41.620170	-90.785500	22	25	201	27649	90713	12.2V 11C HDOP00.9 SATS09	256	255	4.27	4.25	840	729.73	14.00	12.16
16:07:31	18	41.619670	-90.786330	20	23	230	27712	90918	12.2V 11C HDOP00.9 SATS09	208	213	3.47	3.54	683	729.62	11.39	12.16
16:07:46	15	41.619000	-90.787500	33	38	220	27774	91121	12.2V 11C HDOP00.9 SATS09	247	255	4.12	4.25	812	729.81	13.53	12.16
16:08:02	16	41.618000	-90.788330	33	38	216	27834	91320	12.2V 11C HDOP00.9 SATS09	227	239	3.79	3.99	746	729.85	12.44	12.16
16:08:18	16	41.616830	-90.789170	31	36	199	27898	91530	12.2V 11C HDOP00.9 SATS09	240	239	4.00	3.99	787	729.98	13.12	12.17
16:08:34	16	41.616000	-90.789830	15	17	204	27956	91720	12.2V 13C HDOP00.9 SATS09	217	239	3.62	3.99	713	729.94	11.88	12.17
16:09:06	32	41.615170	-90.791670	22	25	240	28086	92145	12.2V 13C HDOP00.9 SATS09	243	120	4.05	2.00	797	730.10	13.28	12.17
16:09:22	16	41.614330	-90.792500	28	32	213	28153	92367	12.2V 13C HDOP00.9 SATS09	254	240	4.23	4.00	832	730.33	13.87	12.17
16:09:38	16	41.613330	-90.793000	33	38	198	28225	92602	12.2V 13C HDOP00.9 SATS09	269	240	4.48	4.00	881	730.68	14.69	12.18
16:09:54	16	41.612330	-90.793830	35	40	198	28295	92830	12.2V 13C HDOP00.9 SATS09	261	240	4.34	4.00	855	730.96	14.25	12.18
16:10:11	17	41.611000	-90.795000	35	40	199	28367	93067	12.2V 13C HDOP00.9 SATS09	255	226	4.25	3.76	836	731.20	13.94	12.19
16:10:26	15	41.609670	-90.796000	37	43	197	28439	93303	12.2V 13C HDOP00.9 SATS09	288	256	4.80	4.27	944	731.69	15.73	12.19
16:10:43	17	41.608330	-90.797000	33	38	197	28515	93553	12.2V 13C HDOP00.9 SATS09	269	226	4.48	3.77	882	732.03	14.71	12.20
16:10:58	15	41.607000	-90.797830	37	43	215	28588	93793	12.2V 13C HDOP00.9 SATS09	293	256	4.88	4.27	960	732.55	16.00	12.21
16:11:15	17	41.605830	-90.798830	31	36	225	28658	94022	12.2V 13C HDOP00.9 SATS09	246	226	4.11	3.77	808	732.72	13.47	12.21
16:11:31	16	41.604500	-90.800000	37	43	211	28730	94258	12.2V 13C HDOP00.9 SATS09	270	240	4.50	4.00	885	733.06	14.75	12.22
16:11:47	16	41.603670	-90.801330	39	45	222	28789	94452	12.2V 13C HDOP00.9 SATS09	222	240	3.70	4.00	727	733.05	12.12	12.22
16:12:03	16	41.602670	-90.802830	46	53	230	28854	94666	12.2V 13C HDOP00.9 SATS09	245	240	4.08	4.00	803	733.20	13.38	12.22
16:12:19	16	41.601500	-90.804670	37	43	237	28913	94859	12.2V 13C HDOP00.9 SATS09	221	240	3.68	4.00	724	733.18	12.06	12.22
16:12:35	16	41.600500	-90.806830	48	55	232	28970	95047	12.2V 13C HDOP00.9 SATS09	215	240	3.58	4.00	705	733.12	11.75	12.22
16:13:09	34	41.598500	-90.810330	37	43	240	29078	95400	12.2V 13C HDOP00.9 SATS09	190	113	3.16	1.89	623	732.87	10.38	12.21
16:13:24	15	41.597830	-90.812330	37	43	254	29133	95581	12.2V 13C HDOP00.9 SATS09	221	256	3.68	4.27	724	732.86	12.07	12.21
16:13:40	16	41.597170	-90.814330	37	43	248	28830	94585	12.2V 13C HDOP00.9 SATS09	-1138	237	-18.97	3.96	-3735	722.93	-62.25	12.05
16:13:56	16	41.596170	-90.815670	28	32	213	28140	92324	12.2V 13C HDOP00.9 SATS09	-2584	231	-43.07	3.85	-8479	702.52	-141.31	11.71
16:14:13	17	41.595670	-90.816500	22	25	242	27437	90018	12.2V 13C HDOP00.9 SATS09	-2481	212	-41.35	3.53	-8139	682.96	-135.65	11.38
16:14:29	16	41.595500	-90.817330	20	23	257	28651	88095	12.2V 13C HDOP00.9 SATS09	-2198	219	-36.63	3.66	-7211	665.54	-120.19	11.09
16:14:44	15	41.595330	-90.818170	15	17	222	26220	86022	12.2V 13C HDOP00.9 SATS09	-2527	228	-42.12	3.80	-8292	645.81	-138.20	10.76
16:15:01	17	41.595170	-90.819500	28	32	248	25650	84152	12.2V 13C HDOP00.9 SATS09	-2012	196	-33.53	3.27	-6600	629.88	-110.00	10.50
16:15:32	31	41.595330	-90.820000	22	25	354	24579	80640	12.2V 13C HDOP00.9 SATS09	-2072	103	-34.53	1.71	-6797	613.59	-113.29	10.23
16:15:50	18	41.596170	-90.820500	15	17	290	24065	78952	12.2V 13C HDOP00.9 SATS09	-1715	173	-28.58	2.88	-5627	599.94	-93.78	10.00
16:16:05	15	41.596670	-90.821000	13	15	309	23574	77343	12.2V 13C HDOP00.9 SATS09	-1962	203	-32.69	3.38	-6436	584.58	-107.27	9.74
16:16:37	32	41.597000	-90.820830	6	7	4	22641	74283	12.2V 13C HDOP00.9 SATS09	-1749	91	-29.15	1.52	-5738	570.80	-95.63	9.51
16:17:09	32	41.597670	-90.820670	13	15	62	21793	71498	12.2V 13C HDOP00.9 SATS09	-1592	87	-26.53	1.46	-5222	558.21	-87.03	9.30
16:17:25	16	41.598000	-90.820170	0	0	19	21355	70062	12.1V 13C HDOP00.9 SATS09	-1641	171	-27.36	2.85	-5385	545.32	-89.75	9.09
16:17:41	16	41.598170	-90.819500	20	23	58	20975	68815	12.1V 13C HDOP00.9 SATS09	-1425	167	-23.76	2.79	-4676	534.02	-77.94	8.90
16:17:57	16	41.598670	-90.819330	15	17	54	20567	67476	12.2V 13C HDOP00.9 SATS09	-1530	164	-25.51	2.73	-5021	522.02	-83.69	8.70
16:18:13	16	41.598670	-90.818000	28	32	88	20198	66265	12.2V 13C HDOP00.9 SATS09	-1384	160	-23.07	2.67	-4541	511.11	-75.69	8.52
16:18:29	16	41.598830	-90.816670	28	32	54	19832	65066	12.1V 13C HDOP00.9 SATS09	-1370	157	-22.84	2.62	-4496	500.34	-74.94	8.34
16:18:45	16	41.599330	-90.815170	26	30	68	19482	63916	12.2V 13C HDOP00.9 SATS09	-1314	154	-21.91	2.57	-4313	490.01	-71.88	8.17
16:19:18	33	41.600670	-90.811830	44	51	63	18601	61682	12.2V 13C HDOP00.9 SATS09	-1238	172	-20.63	1.20	-4062	480.26	-67.70	8.00
16:19:34	16	41.601000	-90.810000	41	47	67	18477	60619	12.1V 13C HDOP00.9 SATS09	-1215	145	-20.25	2.42	-3986	470.72	-66.44	7.85
16:19:51	17	41.601000	-90.808000	35	40	75	18162	59587	12.1V 13C HDOP00.9 SATS09	-1110	134	-18.50	2.23	-3642	461.95	-60.71	7.70
16:20:06	15	41.601500	-90.806000	28	32	93	17854	58576	12.1V 13C HDOP00.9 SATS09	-1233							



Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate
										(m/min)	(m/min)	(m/sec)	(m/sec)	(ft/min)	(ft/min)	(ft/sec)	(ft/sec)
16:22:30	31	41.601330	-90.782170	67	77	87	15308	50223	12.1V 11C HDOP00.9 SATS09	-993	61	-16.55	1.01	-3257	394.85	-54.29	6.58
16:23:06	36	41.601330	-90.775830	44	51	86	14816	48609	12.1V 11C HDOP00.9 SATS09	-820	50	-13.67	0.84	-2690	388.40	-44.83	6.47
16:23:19	13	41.601500	-90.772330	72	83	93	14573	47813	12.1V 11C HDOP00.9 SATS09	-1120	137	-18.66	2.29	-3674	379.92	-61.23	6.33
16:23:35	16	41.601670	-90.769000	78	90	88	14339	47043	12.1V 11C HDOP00.9 SATS09	-880	109	-14.67	1.82	-2887	373.11	-48.12	6.22
16:23:51	16	41.602170	-90.765170	61	70	72	14091	46229	12.1V 11C HDOP00.9 SATS09	-930	107	-15.51	1.79	-3053	365.99	-50.88	6.10
16:24:07	16	41.602170	-90.761670	65	75	94	13860	45474	12.1V 11C HDOP00.9 SATS09	-863	105	-14.38	1.75	-2831	359.35	-47.19	5.99
16:24:23	16	41.602170	-90.758000	78	90	96	13635	44733	12.1V 11C HDOP00.9 SATS09	-847	103	-14.12	1.72	-2779	352.86	-46.31	5.88
16:24:40	17	41.602500	-90.753830	87	100	89	13414	44009	12.1V 11C HDOP00.9 SATS09	-779	95	-12.98	1.59	-2555	346.85	-42.59	5.78
16:24:55	15	41.603330	-90.750000	61	70	66	13198	43299	12.1V 11C HDOP00.9 SATS09	-866	106	-14.43	1.77	-2840	340.28	-47.33	5.67
16:25:11	16	41.604330	-90.746000	80	92	71	12986	42604	12.1V 11C HDOP00.9 SATS09	-794	98	-13.24	1.63	-2606	334.21	-43.44	5.57
16:25:28	17	41.605170	-90.742000	85	98	67	12774	41908	12.1V 09C HDOP00.9 SATS09	-749	90	-12.48	1.50	-2456	328.48	-40.94	5.47
16:25:44	16	41.606170	-90.738500	78	90	70	12565	41225	12.1V 09C HDOP00.9 SATS09	-781	94	-13.01	1.57	-2561	322.56	-42.69	5.38
16:26:00	16	41.607330	-90.734000	81	93	75	12360	40551	12.1V 09C HDOP00.9 SATS09	-770	92	-12.84	1.54	-2528	316.73	-42.13	5.28
16:26:16	16	41.608170	-90.729670	83	96	62	12156	39883	12.1V 09C HDOP00.9 SATS09	-764	90	-12.73	1.51	-2505	310.98	-41.75	5.18
16:26:32	16	41.609000	-90.724670	78	90	71	11950	39207	12.1V 09C HDOP00.9 SATS09	-773	89	-12.88	1.48	-2535	305.18	-42.25	5.09
16:26:48	16	41.609830	-90.721000	83	96	75	11767	38605	12.1V 09C HDOP00.9 SATS09	-688	87	-11.47	1.45	-2258	299.97	-37.63	5.00
16:27:04	16	41.610670	-90.716330	91	105	67	11570	37958	12.1V 09C HDOP00.9 SATS09	-739	85	-12.32	1.42	-2426	294.44	-40.44	4.91
16:27:21	17	41.612500	-90.712500	67	77	52	11382	37341	12.1V 09C HDOP00.9 SATS09	-664	79	-11.06	1.31	-2178	289.44	-36.29	4.82
16:27:36	15	41.613830	-90.709170	67	77	60	11196	36731	12.1V 09C HDOP00.9 SATS09	-744	88	-12.40	1.46	-2440	283.92	-40.67	4.73
16:27:56	20	41.614830	-90.706500	37	43	59	11012	36127	12.1V 09C HDOP00.9 SATS09	-552	65	-9.21	1.08	-1812	279.70	-30.20	4.66
16:28:08	12	41.615670	-90.704000	61	70	53	10837	35555	12.1V 09C HDOP00.9 SATS09	-872	106	-14.53	1.76	-2860	273.38	-47.67	4.56
16:28:25	17	41.616170	-90.701330	65	75	89	10664	34988	12.1V 09C HDOP00.9 SATS09	-610	73	-10.17	1.22	-2001	268.81	-33.35	4.48
16:28:43	18	41.616670	-90.698000	46	53	90	10491	34420	12.1V 09C HDOP00.9 SATS09	-577	68	-9.62	1.13	-1893	264.48	-31.55	4.41
16:28:57	14	41.616670	-90.695170	43	49	85	10320	33858	12.1V 07C HDOP00.9 SATS09	-734	86	-12.24	1.43	-2409	259.13	-40.14	4.32
16:29:12	15	41.616830	-90.692330	65	75	76	10154	33312	12.1V 07C HDOP01.0 SATS09	-666	78	-11.09	1.31	-2184	254.26	-36.40	4.24
16:29:29	17	41.617330	-90.689330	39	45	77	9937	32767	12.1V 07C HDOP01.0 SATS09	-586	68	-9.77	1.13	-1924	249.92	-32.06	4.17
16:29:45	16	41.617670	-90.686500	44	51	74	9808	32180	12.1V 07C HDOP01.0 SATS09	-671	71	-11.18	1.18	-2201	245.04	-36.69	4.08
16:30:01	16	41.618000	-90.684170	50	58	94	9651	31665	12.1V 07C HDOP01.0 SATS09	-589	69	-9.81	1.15	-1931	240.73	-32.19	4.01
16:30:17	16	41.618330	-90.681170	65	75	74	9481	31104	12.1V 07C HDOP01.0 SATS09	-641	68	-10.69	1.13	-2104	236.08	-35.06	3.93
16:30:33	16	41.618670	-90.678330	59	68	92	9318	30572	12.1V 07C HDOP01.0 SATS09	-608	67	-10.13	1.11	-1995	231.68	-33.25	3.86
16:30:49	16	41.618830	-90.675330	54	62	66	9156	30039	12.1V 07C HDOP01.0 SATS09	-609	65	-10.15	1.09	-1999	227.28	-33.31	3.79
16:31:06	17	41.619500	-90.672170	70	81	78	8997	29517	12.1V 07C HDOP01.0 SATS09	-562	60	-9.36	1.00	-1842	223.20	-30.71	3.72
16:31:22	16	41.619830	-90.668830	67	77	86	8836	28990	12.1V 07C HDOP01.0 SATS09	-602	63	-10.04	1.04	-1976	218.88	-32.94	3.65
16:31:37	15	41.620330	-90.665670	57	66	93	8680	28478	12.1V 07C HDOP01.0 SATS09	-624	65	-10.40	1.09	-2048	214.44	-34.13	3.57
16:31:54	17	41.620170	-90.662670	67	77	86	8523	27963	12.1V 07C HDOP01.0 SATS09	-554	56	-9.23	0.94	-1818	210.46	-30.29	3.51
16:32:10	16	41.620330	-90.659670	56	64	94	8368	27453	12.1V 07C HDOP01.0 SATS09	-583	59	-9.72	0.98	-1913	206.31	-31.88	3.44
16:32:25	15	41.620670	-90.656830	41	47	68	8210	26936	12.1V 07C HDOP01.0 SATS09	-630	61	-10.51	1.02	-2068	201.88	-34.47	3.36
16:32:42	17	41.621000	-90.654830	33	38	94	8058	26438	12.1V 07C HDOP01.0 SATS09	-536	53	-8.93	0.88	-1758	198.07	-29.29	3.30
16:32:58	16	41.621000	-90.652500	41	47	69	7896	25904	12.1V 07C HDOP01.0 SATS09	-610	55	-10.17	0.92	-2002	193.79	-33.37	3.23
16:33:14	16	41.621500	-90.650500	33	38	76	7756	25446	12.1V 07C HDOP01.0 SATS09	-524	54	-8.73	0.90	-1718	190.09	-28.63	3.17
16:33:30	16	41.621500	-90.648330	43	49	77	7597	24926	12.1V 05C HDOP01.0 SATS09	-594	53	-9.91	0.88	-1950	185.95	-32.50	3.10
16:33:46	16	41.621330	-90.646500	39	45	106	7449	24438	12.1V 05C HDOP01.0 SATS09	-558	51	-9.30	0.86	-1830	182.06	-30.50	3.03
16:34:03	17	41.621330	-90.644330	33	38	78	7304	23962	12.1V 05C HDOP01.0 SATS09	-512	47	-8.53	0.79	-1680	178.47	-28.00	2.97
16:34:19	16	41.621170	-90.642500	41	47	87	7156	23478	12.1V 05C HDOP01.0 SATS09	-553	49	-9.22	0.82	-1815	174.64	-30.25	2.91
16:34:35	16	41.621330	-90.640830	37	43	102	7012	23006	12.1V 05C HDOP01.0 SATS09	-539	48	-8.99	0.80	-1770	170.90	-29.50	2.85
16:34:51	16	41.621000	-90.638830	31	36	93	6870	22540	12.1V 05C HDOP01.0 SATS09	-533	47	-8.88	0.78	-1748	167.23	-29.13	2.79
16:35:09	18	41.620670	-90.637170	46	53	118	6726	22066	12.1V 05C HDOP01.0 SATS09	-482	41	-8.03	0.68	-1580	163.89	-26.33	2.73
16:35:23	14	41.620000	-90.635500	22	25	132	6583	21598	12.1V 05C HDOP01.0 SATS09	-611	51	-10.19	0.85	-2006	159.75	-33.43	2.66
16:35:39	16	41.619330	-90.634000	30	35	92	6438	21121	12.0V 07C HDOP01.0 SATS09	-545	44	-9.09	0.73	-1789	156.04	-29.81	2.60
16:35:55	16	41.619170	-90.632500	20	23	115	6309	20698	12.0V 07C HDOP01.0 SATS08	-483	43	-8.06	0.71	-1586	152.72	-26.44	2.55
16:36:11	16	41.618500	-90.631330	24	28	130	6167	20232	12.0V 07C HDOP01.0 SATS09	-533	41	-8.88	0.69	-1748	149.12	-29.13	2.49
16:36:28	17	41.617830	-90.629830	41	47	113	6034	19795	12.0V 07C HDOP01.0 SATS09	-470	38	-7.83	0.63	-1542	145.92	-25.70	2.43
16:36:43	15	41.617330	-90.628000	28	32	108	5904	19371	12.0V 07C HDOP01.0 SATS09	-517	42	-8.62	0.70	-1696	142.43	-28.27	2.37
16:37:00	17	41.616830	-90.626670	28	32	127	5774	18943	12.0V 07C HDOP01.0 SATS09	-460	36	-7.67	0.60	-1511	139.31	-25.18	2.32
16:37:15	15	41.615830	-90.625670	39	45	147	5647	18528	12.0V 07C HDOP01.0 SATS09	-506	40	-8.43	0.67	-1660	135.93	-27.67	2.27
16:37:32	17	41.615000	-90.624500	24	28	139	5522	18116	12.0V 07C HDOP01.0 SATS09	-443	34	-7.39	0.57	-1454	132.94	-24.23	2.22
16:37:47	15	41.613830	-90.623830	31	36	144	5396	17702	12.0V 07C HDOP01.0 SATS09	-505	38	-8.41	0.63	-1656	129.58	-27.60	2.16
16:38:04	17	41.612830	-90.622670	22	25	128	5269	17287	12.0V 07C HDOP00.9 SATS10	-446	33	-7.44	0.54	-1465	126.60	-24.41	2.11
16:38:19	15	41.612170	-90.621500	28	32	150	5144	16875	12.0V 07C HDOP00.9 SATS10	-502	36	-8.37	0.60	-1648	123.28	-27.47	2.05
16:38:36	17	41.611500	-90.620500	20	23	126	5017	16460	12.0V 07C HDOP00.9 SATS10	-446	31	-7.44	0.51	-1465	120.32	-24.41	2.01
16:38:52	16	41.610830	-90.619670	19	22	154	4878	16004	12.0V 07C HDOP00.9 SATS10	-521	32	-8.69	0.53	-1710	116.91	-28.50	1.95
16:39:08	16	41.609830	-90.619000	33	38	150	4760	15616	12.0V 07C HDOP00.9 SATS10	-443	31	-7.39	0.51	-1455	113.99	-24.25	1.90
16:39:26	18	41.608830	-90.618000	28	32	129	4628	15185	12.0V 07C HDOP01.0 SATS08	-438	26	-7.30	0.44	-1437	111.11	-23.94	1.85
16:39:40	14	41.608000	-90.617330	22	25	127											



Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate	Ascent Rate	AVG Ascent Rate
										(m/min)	(m/min)	(m/sec)	(m/sec)	(ft/min)	(ft/min)	(ft/sec)	(ft/sec)
16:41:17	16	41.602330	-90.613170	26	30	175	3751	12305	12.1V 09C HDOP01.0 SATS08	-445	23	-7.41	0.39	-1459	89.63	-24.31	1.49
16:41:32	15	41.601500	-90.612330	28	32	108	3631	11914	12.1V 09C HDOP00.9 SATS09	-477	24	-7.94	0.40	-1564	86.61	-26.07	1.44
16:41:49	17	41.601000	-90.611670	26	30	109	3512	11521	12.0V 09C HDOP00.9 SATS09	-423	20	-7.05	0.34	-1387	83.92	-23.12	1.40
16:42:21	32	41.600170	-90.609500	33	38	117	3279	10757	12.0V 09C HDOP00.9 SATS09	-437	10	-7.28	0.17	-1433	81.16	-23.88	1.35
16:42:37	16	41.599670	-90.608330	22	25	138	3162	10375	12.1V 09C HDOP00.9 SATS09	-437	19	-7.28	0.32	-1432	78.40	-23.87	1.31
16:42:54	17	41.599330	-90.607170	28	32	124	3052	10014	12.1V 09C HDOP00.9 SATS09	-388	17	-6.47	0.29	-1274	75.95	-21.23	1.27
16:43:11	17	41.598830	-90.606670	20	23	198	2938	9638	12.1V 09C HDOP01.0 SATS08	-405	17	-6.74	0.28	-1327	73.41	-22.12	1.22
16:43:26	15	41.598170	-90.606500	15	17	207	2828	9279	12.1V 09C HDOP00.9 SATS09	-438	18	-7.29	0.30	-1436	70.68	-23.93	1.18
16:43:42	16	41.597500	-90.606170	28	32	185	2719	8920	12.0V 09C HDOP00.9 SATS09	-410	16	-6.84	0.27	-1346	68.12	-22.44	1.14
16:43:58	16	41.596670	-90.606000	31	36	147	2612	8568	12.1V 09C HDOP00.9 SATS09	-402	15	-6.71	0.26	-1320	65.62	-22.00	1.09
16:44:30	32	41.595000	-90.605170	30	35	166	2391	7844	12.1V 09C HDOP00.9 SATS09	-414	7	-6.90	0.12	-1358	63.06	-22.63	1.05
16:45:03	33	41.594000	-90.605170	24	28	212	2188	7177	12.1V 11C HDOP00.9 SATS09	-370	6	-6.16	0.10	-1213	60.77	-20.21	1.01
16:45:18	15	41.593500	-90.605500	15	17	172	2080	6824	12.1V 11C HDOP00.9 SATS09	-430	12	-7.17	0.21	-1412	58.13	-23.53	0.97
16:45:35	17	41.592830	-90.606170	33	38	224	1974	6475	12.1V 11C HDOP00.9 SATS09	-375	10	-6.26	0.17	-1232	55.82	-20.53	0.93
16:45:50	15	41.592000	-90.607000	26	30	195	1861	6107	12.0V 11C HDOP00.9 SATS09	-449	11	-7.48	0.18	-1472	53.09	-24.53	0.88
16:46:06	16	41.591170	-90.608000	17	20	212	1746	5729	12.1V 11C HDOP01.0 SATS08	-432	9	-7.20	0.16	-1417	50.47	-23.62	0.84
16:46:39	33	41.589500	-90.610170	17	20	202	1519	4985	12.1V 11C HDOP00.9 SATS09	-412	4	-6.87	0.06	-1353	47.98	-22.55	0.80
16:46:55	16	41.588670	-90.611170	28	32	200	1404	4605	12.1V 11C HDOP01.0 SATS08	-434	7	-7.24	0.12	-1425	45.36	-23.75	0.76
16:47:11	16	41.587500	-90.612170	30	35	189	1291	4235	12.1V 11C HDOP00.9 SATS09	-423	6	-7.05	0.10	-1387	42.82	-23.12	0.71
16:47:27	16	41.586170	-90.613000	39	45	195	1175	3856	12.1V 11C HDOP00.9 SATS09	-433	6	-7.22	0.09	-1421	40.23	-23.69	0.67
16:47:43	16	41.585330	-90.613500	26	30	173	1064	3490	12.1V 11C HDOP00.9 SATS09	-418	5	-6.97	0.08	-1373	37.73	-22.88	0.63
16:47:59	16	41.584330	-90.613500	31	36	190	948	3109	12.1V 11C HDOP00.9 SATS09	-435	4	-7.26	0.07	-1429	35.15	-23.81	0.59
16:48:15	16	41.583330	-90.613500	19	22	159	847	2778	12.1V 13C HDOP00.9 SATS09	-378	3	-6.31	0.06	-1241	32.90	-20.69	0.55
16:48:31	16	41.582500	-90.613670	28	32	211	730	2396	12.1V 13C HDOP00.9 SATS09	-437	3	-7.28	0.04	-1432	30.32	-23.87	0.51
16:48:47	16	41.581670	-90.614170	24	28	178	629	2063	12.1V 13C HDOP00.9 SATS09	-381	2	-6.34	0.03	-1249	28.08	-20.81	0.47
16:49:03	16	41.580670	-90.614500	28	32	208	527	1730	12.0V 13C HDOP00.9 SATS09	-381	1	-6.34	0.02	-1249	25.84	-20.81	0.43
16:49:20	17	41.580000	-90.614830	28	32	198	425	1394	12.1V 13C HDOP00.9 SATS09	-361	1	-6.02	0.01	-1186	23.72	-19.76	0.40
16:54:44	324	41.578670	-90.616000	0	0	293	207	680	12.1V 17C HDOP01.0 SATS08	-40	0	-0.67	0.00	-132	23.45	-2.20	0.39