



iHAB-7 Flight Data

Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate (m/min)	AVG Ascent Rate (m/min)	Ascent Rate (m/sec)	AVG Ascent Rate (m/sec)	Ascent Rate (ft/min)	AVG Ascent Rate (ft/min)	Ascent Rate (ft/sec)	AVG Ascent Rate (ft/sec)
16:00:48		41.567830	-91.263500	19	22	117	589	1932	12.5V 19C HDOP01.2 SATS06								
16:01:04	16	41.567830	-91.263000	19	22	122	655	2148	12.4V 17C HDOP03.0 SATS04	247	247	4.12	4.12	810	810.44	13.50	13.50
16:02:10	66	41.567000	-91.261670	9	10	183	984	3227	12.5V 19C HDOP01.2 SATS02	299	179	4.98	2.99	981	895.48	16.35	14.92
16:02:26	16	41.567000	-91.261500	9	10	47	1093	3587	12.4V 19C HDOP01.2 SATS06	411	631	6.86	10.51	1350	1046.99	22.50	17.45
16:02:42	16	41.567000	-91.261330	6	7	310	1185	3888	12.5V 19C HDOP01.2 SATS00	344	559	5.73	9.32	1129	1067.42	18.81	17.79
16:03:00	18	41.566670	-91.261000	15	17	216	1295	4249	12.5V 19C HDOP01.2 SATS06	367	471	6.11	7.85	1203	1094.62	20.06	18.24
16:03:50	50	41.565000	-91.260670	30	35	167	1591	5220	12.5V 19C HDOP02.0 SATS05	355	200	5.92	3.34	1165	1106.38	19.42	18.44
16:04:35	45	41.563170	-91.261330	28	32	210	1875	6150	12.5V 19C HDOP01.2 SATS06	378	245	6.30	4.08	1240	1125.47	20.67	18.76
16:04:52	17	41.562500	-91.261670	37	43	211	1958	6423	12.5V 17C HDOP01.2 SATS06	294	604	4.89	10.07	964	1105.22	16.06	18.42
16:05:08	16	41.561330	-91.262000	30	35	199	2034	6674	12.4V 19C HDOP01.2 SATS06	287	602	4.78	10.04	941	1087.01	15.69	18.12
16:05:24	16	41.560330	-91.262170	33	38	182	2099	6886	12.5V 19C HDOP08.5 SATS00	242	566	4.04	9.44	795	1057.80	13.25	17.63
16:05:59	35	41.559000	-91.262670	26	30	224	2272	7453	12.5V 19C HDOP01.8 SATS00	296	262	4.94	4.37	972	1050.00	16.20	17.50
16:08:07	128	41.551170	-91.264170	31	36	185	2956	9697	12.5V 17C HDOP01.2 SATS06	321	92	5.34	1.54	1052	1050.16	17.53	17.50
16:08:23	16	41.550330	-91.264170	35	40	192	3039	9972	12.5V 19C HDOP01.8 SATS05	314	707	5.24	11.78	1031	1048.70	17.19	17.48
16:08:39	16	41.549500	-91.264170	30	35	185	3122	10242	12.5V 19C HDOP05.3 SATS02	309	678	5.14	11.31	1012	1046.11	16.87	17.44
16:08:57	18	41.548670	-91.264000	33	38	195	3226	10583	12.5V 17C HDOP01.2 SATS06	346	586	5.77	9.77	1137	1052.15	18.95	17.54
16:09:12	15	41.547670	-91.263670	17	20	181	3331	10929	12.5V 17C HDOP01.2 SATS02	422	686	7.03	11.43	1384	1072.89	23.07	17.88
16:09:28	16	41.546830	-91.263500	17	20	186	3417	11212	12.4V 17C HDOP01.2 SATS06	323	624	5.39	10.40	1061	1072.21	17.69	17.87
16:09:44	16	41.545670	-91.263330	20	23	206	3516	11537	12.5V 17C HDOP01.2 SATS06	371	610	6.19	10.17	1219	1080.35	20.31	18.01
16:10:20	36	41.543170	-91.263830	28	32	204	3689	12102	12.5V 17C HDOP01.2 SATS06	287	272	4.78	4.53	942	1073.05	15.69	17.88
16:10:36	16	41.541830	-91.264330	50	58	206	3780	12402	12.3V 17C HDOP01.2 SATS06	343	598	5.72	9.97	1125	1075.65	18.75	17.93
16:10:49	13	41.540500	-91.265000	24	28	185	3861	12666	12.6V 17C HDOP01.2 SATS06	371	719	6.19	11.98	1219	1082.45	20.31	18.04
16:11:06	17	41.539500	-91.265000	26	30	185	3937	12916	12.5V 17C HDOP01.1 SATS07	269	537	4.48	8.95	882	1073.35	14.71	17.89
16:11:22	16	41.538170	-91.265500	39	45	179	4012	13162	12.6V 17C HDOP01.1 SATS07	281	558	4.69	9.30	922	1066.79	15.37	17.78
16:11:38	16	41.537000	-91.265330	24	28	172	4079	13382	12.5V 17C HDOP01.1 SATS07	251	545	4.19	9.09	825	1056.72	13.75	17.61
16:11:58	20	41.535670	-91.265330	24	28	176	4171	13686	12.6V 19C HDOP01.1 SATS07	278	430	4.63	7.17	912	1050.93	15.20	17.52
16:12:11	13	41.534000	-91.265500	44	51	181	4250	13943	12.5V 17C HDOP01.1 SATS07	362	650	6.03	10.83	1186	1056.13	19.77	17.60
16:12:28	17	41.532500	-91.265000	52	60	157	4335	14222	12.5V 17C HDOP01.1 SATS07	300	490	5.00	8.16	985	1053.49	16.41	17.56
16:12:43	15	41.530670	-91.265000	48	55	171	4447	14591	12.6V 17C HDOP02.2 SATS02	450	551	7.50	9.19	1476	1068.58	24.60	17.81
16:13:00	17	41.528830	-91.265000	52	60	160	4567	14984	12.5V 17C HDOP01.4 SATS05	423	484	7.05	8.07	1387	1079.56	23.12	17.99
16:13:16	16	41.527000	-91.265330	44	51	196	4653	15265	12.5V 17C HDOP01.1 SATS07	321	508	5.35	8.47	1054	1078.70	17.56	17.98
16:13:32	16	41.525500	-91.265830	39	45	204	4745	15566	12.5V 17C HDOP01.1 SATS07	344	503	5.73	8.38	1129	1080.31	18.81	18.01
16:13:48	16	41.523670	-91.266170	37	43	203	4826	15834	12.3V 17C HDOP01.1 SATS07	306	497	5.10	8.28	1005	1077.96	16.75	17.97
16:14:21	33	41.520170	-91.267330	37	43	209	5004	16416	12.5V 17C HDOP01.1 SATS07	323	243	5.38	4.05	1058	1077.36	17.64	17.96
16:15:09	48	41.515330	-91.269330	46	53	205	5237	17183	12.4V 17C HDOP08.1 SATS02	292	171	4.87	2.85	959	1073.87	15.98	17.90
16:15:26	17	41.513330	-91.270500	52	60	206	5319	17450	12.5V 17C HDOP01.1 SATS00	287	477	4.79	7.95	942	1070.11	15.71	17.84
16:15:42	16	41.511670	-91.271500	54	62	227	5397	17708	12.5V 17C HDOP01.6 SATS05	295	501	4.91	8.35	968	1067.26	16.13	17.79
16:15:58	16	41.509830	-91.272330	52	60	189	5507	18067	12.5V 17C HDOP02.3 SATS00	410	498	6.84	8.31	1346	1074.80	22.44	17.91
16:16:14	16	41.508330	-91.272500	38	44	0	5585	18324	12.6V 17C HDOP02.2 SATS04	294	493	4.90	8.22	964	1071.88	16.06	17.86
16:16:31	17	41.506670	-91.273330	52	60	200	5692	18674	12.4V 17C HDOP01.2 SATS06	377	462	6.28	7.70	1235	1076.07	20.59	17.93
16:16:47	16	41.505170	-91.274330	52	60	215	5786	18984	12.5V 17C HDOP01.1 SATS07	354	487	5.90	8.12	1162	1078.23	19.37	17.97
16:17:04	17	41.503170	-91.275000	44	51	187	5890	19325	12.4V 17C HDOP01.1 SATS07	367	456	6.11	7.61	1204	1081.29	20.06	18.02
16:17:19	15	41.502000	-91.275500	39	45	182	5978	19613	12.5V 17C HDOP01.2 SATS06	351	513	5.85	8.55	1152	1082.97	19.20	18.05
16:17:36	17	41.500170	-91.276170	54	62	209	6061	19885	12.4V 17C HDOP01.1 SATS07	293	449	4.88	7.49	960	1080.11	16.00	18.00
16:17:52	16	41.498500	-91.277830	48	55	215	6137	20133	12.5V 17C HDOP08.0 SATS03	283	473	4.72	7.88	930	1076.70	15.50	17.94
16:18:09	17	41.497000	-91.279170	31	36	217	6219	20403	12.6V 17C HDOP01.1 SATS07	290	442	4.84	7.36	953	1073.95	15.88	17.90
16:18:25	16	41.495670	-91.280170	35	40	196	6297	20658	12.5V 17C HDOP01.1 SATS07	291	465	4.86	7.76	956	1071.39	15.94	17.86
16:18:43	18	41.494170	-91.280830	44	51	193	6364	20880	12.5V 17C HDOP01.2 SATS06	226	410	3.76	6.83	740	1064.34	12.33	17.74
16:18:57	14	41.492670	-91.282170	30	35	210	6456	21182	12.5V 17C HDOP01.1 SATS07	395	524	6.58	8.73	1294	1069.13	21.57	17.82
16:19:13	16	41.491500	-91.282670	35	40	187	6532	21430	12.5V 17C HDOP01.1 SATS07	283	455	4.72	7.58	930	1066.29	15.50	17.77
16:19:32	19	41.490170	-91.283500	43	49	195	6618	21713	12.5V 17C HDOP01.1 SATS07	272	381	4.54	6.35	894	1062.84	14.90	17.71
16:19:49	17	41.488830	-91.283830	46	53	187	6697	21971	12.5V 17C HDOP01.2 SATS06	278	423	4.63	7.04	911	1059.85	15.18	17.66
16:20:19	30	41.486170	-91.284830	28	32	184	6904	22652	12.5V 17C HDOP01.5 SATS04	415	243	6.92	4.05	1362	1065.66	22.70	17.76
16:20:53	34	41.483000	-91.285500	54	62	188	7077	23127	12.5V 17C HDOP01.1 SATS07	304	216	5.07	3.60	997	1064.37	16.62	17.74
16:21:08	15	41.481170	-91.285670	44	51	161	7173	23534	12.5V 17C HDOP01.1 SATS07	386	488	6.44	8.13	1268	1068.14	21.13	17.80
16:21:45	37	41.477000	-91.285670	52	60	174	7344	24095	12.5V 17C HDOP01.2 SATS06	277	199	4.62	3.32	910	1065.26	15.16	17.75
16:21:56	11	41.475170	-91.285500	43	49	183	7412	24317	12.5V 17C HDOP01.1 SATS07	369	665	6.15	11.08	1211	1067.86	20.18	17.80
16:22:12	16	41.473500	-91.285170	35	40	167	7502	24612	12.5V 17C HDOP01.2 SATS06	337	455	5.62	7.58	1106	1068.53	18.44	17.81
16:22:47	35	41.469500	-91.284670	37	43	181	7696	25248	12.3V 17C HDOP01.1 SATS07	332	210	5.54	3.50	1090	1068.91	18.17	17.82
16:23:04	17	41.467830	-91.284330	69	79	162	7786	25544	12.5V 17C HDOP01.3 SATS06	318	431	5.31	7.18	1045	1068.50	17.41	17.81
16:23:35	31	41.463330	-91.284330	57	66	165	7958	26110	12.4V 17C HDOP01.2 SATS06	334	238	5.57	3.96	1096	1068.95	18.26	17.82
16:23:51	16	41.461000	-91.284170	69	79	170	8035	26363	12.5V 17C HDOP01.1 SATS07	289	458	4.82	7.63	949	1066.98	15.81	17.78
16:24:39	48	41.455170	-91.284000	30	35	180	8276	27151	12.3V 17C HDOP01.1 SATS07	300	155	5.00	2.58	985	1065.65	16.4	

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)
16:24:55	16	41.453330	-91.284670	46	53	193	8353	27405	12.5V 17C HDOP01.4 SATS05	290	462	4.84	7.70	953	1063.86	15.88	17.73
16:25:28	33	41.449170	-91.284670	70	81	173	8499	27885	12.4V 17C HDOP01.1 SATS07	266	225	4.43	3.75	873	1060.87	14.55	17.68
16:26:03	35	41.444500	-91.285000	67	77	176	8643	28355	12.4V 16C HDOP01.1 SATS07	246	212	4.09	3.54	806	1056.95	13.43	17.62
16:26:18	15	41.442170	-91.285330	50	58	196	8718	28602	12.4V 16C HDOP01.1 SATS07	301	493	5.02	8.21	988	1055.90	16.47	17.60
16:26:33	15	41.440000	-91.285330	52	60	189	8786	28826	12.2V 16C HDOP01.1 SATS07	273	489	4.55	8.16	896	1053.52	14.93	17.56
16:26:51	18	41.437830	-91.284830	52	60	175	8872	29106	12.4V 16C HDOP01.1 SATS07	285	406	4.74	6.77	933	1051.75	15.56	17.53
16:27:07	16	41.435500	-91.284500	70	81	165	8972	29436	12.4V 16C HDOP01.2 SATS06	377	456	6.29	7.59	1237	1054.44	20.62	17.57
16:27:21	14	41.433170	-91.284330	69	79	161	9073	29768	12.5V 16C HDOP01.1 SATS07	434	519	7.23	8.66	1423	1059.70	23.72	17.66
16:27:37	16	41.431000	-91.283670	70	81	177	9176	30104	12.4V 16C HDOP01.1 SATS07	384	454	6.40	7.56	1260	1062.53	21.00	17.71
16:28:13	36	41.426170	-91.283830	59	68	171	9346	30662	12.4V 16C HDOP01.1 SATS07	283	203	4.72	3.38	930	1060.68	15.50	17.68
16:28:43	30	41.421830	-91.282830	67	77	184	9513	31209	12.4V 16C HDOP01.1 SATS07	333	244	5.56	4.07	1094	1061.14	18.23	17.69
16:29:00	17	41.419500	-91.282330	46	53	174	9586	31450	12.2V 16C HDOP01.1 SATS07	259	429	4.32	7.15	851	1058.30	14.18	17.64
16:29:18	18	41.417000	-91.282170	67	77	183	9661	31695	12.5V 16C HDOP01.1 SATS07	249	403	4.15	6.72	817	1055.07	13.61	17.58
16:29:31	13	41.414500	-91.281330	59	68	166	9734	31937	12.4V 16C HDOP01.1 SATS07	340	555	5.67	9.26	1117	1055.89	18.61	17.60
16:30:04	33	41.409670	-91.280000	50	58	164	9888	32440	12.4V 16C HDOP01.6 SATS05	279	220	4.65	3.66	915	1054.05	15.24	17.57
16:30:21	17	41.407330	-91.279670	56	64	177	9996	32795	12.5V 16C HDOP01.1 SATS07	382	426	6.37	7.09	1253	1056.60	20.88	17.61
16:30:36	15	41.404500	-91.279170	67	77	181	10095	33120	12.4V 16C HDOP01.1 SATS07	396	481	6.60	8.02	1300	1059.68	21.67	17.66
16:30:54	18	41.402000	-91.278830	59	68	179	10173	33376	12.2V 16C HDOP01.1 SATS07	260	399	4.33	6.66	853	1057.10	14.22	17.62
16:31:26	32	41.397330	-91.277670	54	62	173	10326	33878	12.4V 16C HDOP01.1 SATS07	287	225	4.78	3.76	941	1055.67	15.69	17.59
16:32:16	50	41.390000	-91.274670	65	75	164	10580	34712	12.4V 14C HDOP01.3 SATS06	305	146	5.08	2.44	1001	1055.00	16.68	17.58
16:32:46	30	41.385670	-91.272830	61	70	158	10732	35211	12.4V 14C HDOP01.1 SATS07	304	244	5.07	4.07	998	1054.32	16.63	17.57
16:33:38	52	41.378330	-91.269670	67	77	164	10961	35961	12.4V 14C HDOP01.2 SATS06	264	142	4.40	2.37	865	1052.07	14.42	17.53
16:34:08	30	41.373670	-91.267170	56	64	154	11120	36483	12.3V 14C HDOP01.1 SATS07	318	248	5.30	4.13	1044	1051.97	17.40	17.53
16:34:25	17	41.371330	-91.265830	56	64	152	11195	36728	12.4V 14C HDOP01.1 SATS07	264	435	4.39	7.25	865	1049.79	14.41	17.50
16:34:58	33	41.366500	-91.263170	67	77	156	11351	37242	12.4V 14C HDOP01.3 SATS06	285	225	4.75	3.75	935	1048.47	15.58	17.47
16:35:30	32	41.362170	-91.260500	69	79	157	11502	37736	12.4V 14C HDOP01.1 SATS07	282	233	4.71	3.88	926	1047.08	15.44	17.45
16:35:48	18	41.359670	-91.259330	61	70	164	11579	37990	12.4V 14C HDOP01.1 SATS07	258	412	4.30	6.86	847	1044.83	14.11	17.41
16:36:02	14	41.357000	-91.258170	61	70	161	11666	38273	12.4V 14C HDOP01.1 SATS07	370	527	6.16	8.79	1213	1046.70	20.21	17.44
16:36:52	50	41.348670	-91.255170	69	79	169	11898	39036	12.2V 14C HDOP01.3 SATS06	279	149	4.65	2.49	916	1045.26	15.26	17.42
16:37:07	15	41.345500	-91.254330	81	93	169	11975	39288	12.4V 14C HDOP01.1 SATS07	307	495	5.12	8.25	1008	1044.85	16.80	17.41
16:37:23	16	41.342830	-91.253330	57	66	170	12052	39541	12.3V 12C HDOP01.1 SATS07	289	462	4.82	7.70	949	1043.82	15.81	17.40
16:37:57	34	41.337500	-91.252000	89	102	171	12200	40025	12.3V 12C HDOP01.1 SATS07	260	218	4.34	3.63	854	1041.80	14.23	17.36
16:38:29	32	41.331500	-91.250830	72	83	173	12351	40523	12.5V 12C HDOP01.1 SATS07	285	232	4.74	3.87	934	1040.66	15.56	17.34
16:38:45	16	41.329170	-91.250170	54	62	164	12426	40768	12.5V 12C HDOP01.1 SATS07	280	462	4.67	7.71	919	1039.39	15.31	17.32
16:39:17	32	41.324670	-91.248000	52	60	161	12581	41277	12.4V 12C HDOP01.1 SATS06	291	232	4.85	3.86	954	1038.52	15.91	17.31
16:39:33	16	41.322500	-91.246330	72	83	152	12647	41493	12.3V 12C HDOP01.1 SATS07	247	461	4.12	7.69	810	1036.19	13.50	17.27
16:40:06	33	41.317500	-91.243830	50	58	171	12827	42084	12.3V 12C HDOP01.2 SATS06	328	225	5.46	3.75	1075	1036.57	17.91	17.28
16:40:23	17	41.315500	-91.243000	59	68	158	12902	42328	12.5V 12C HDOP01.2 SATS06	262	435	4.37	7.24	861	1034.82	14.35	17.25
16:40:38	15	41.313330	-91.242330	59	68	173	12982	42592	12.3V 12C HDOP01.1 SATS07	322	491	5.36	8.18	1056	1035.03	17.60	17.25
16:40:56	18	41.311170	-91.241500	52	60	156	13060	42847	12.3V 12C HDOP01.2 SATS06	259	408	4.32	6.79	850	1033.21	14.17	17.22
16:41:43	47	41.304830	-91.238670	41	47	166	13284	43583	12.3V 12C HDOP01.1 SATS07	286	157	4.77	2.62	940	1032.31	15.66	17.21
16:41:59	16	41.302830	-91.237500	70	81	156	13357	43821	12.3V 12C HDOP01.2 SATS06	272	460	4.53	7.67	892	1030.96	14.87	17.18
16:42:17	18	41.300670	-91.236170	52	60	152	13434	44075	12.3V 10C HDOP01.1 SATS07	258	408	4.30	6.80	847	1029.21	14.11	17.15
16:42:34	17	41.298670	-91.234830	61	70	146	13501	44295	12.3V 10C HDOP01.2 SATS06	237	430	3.94	7.17	777	1026.82	12.94	17.11
16:43:05	31	41.294170	-91.232000	44	51	156	13645	44767	12.3V 10C HDOP01.1 SATS07	278	236	4.64	3.94	914	1025.76	15.23	17.10
16:43:38	33	41.289500	-91.229830	57	66	154	13808	45303	12.3V 10C HDOP01.2 SATS06	297	223	4.95	3.71	975	1025.29	16.24	17.09
16:43:54	16	41.287000	-91.229000	61	70	169	13884	45551	12.3V 10C HDOP01.1 SATS07	283	457	4.72	7.62	930	1024.41	15.50	17.07
16:44:14	20	41.284500	-91.228330	74	85	175	13961	45804	12.3V 10C HDOP01.1 SATS07	231	365	3.86	6.08	759	1022.00	12.65	17.03
16:44:42	28	41.279330	-91.227330	67	77	176	14121	46328	12.3V 10C HDOP01.0 SATS07	342	261	5.70	4.35	1123	1022.91	18.71	17.05
16:44:59	17	41.277000	-91.227000	57	66	180	14203	46598	12.5V 10C HDOP01.2 SATS06	290	429	4.84	7.15	953	1022.29	15.88	17.04
16:45:34	35	41.272670	-91.226170	54	62	173	14366	47134	12.4V 10C HDOP01.0 SATS07	280	209	4.67	3.48	919	1021.37	15.31	17.02
16:45:50	16	41.270670	-91.226000	43	49	179	14444	47387	12.3V 10C HDOP01.0 SATS07	289	456	4.82	7.60	949	1020.73	15.81	17.01
16:46:04	14	41.268830	-91.225670	65	75	172	14527	47661	12.4V 10C HDOP01.0 SATS07	358	519	5.97	8.66	1174	1022.07	19.57	17.03
16:46:22	18	41.266670	-91.225330	33	38	170	14612	47940	12.2V 10C HDOP01.0 SATS07	283	403	4.72	6.72	930	1021.28	15.50	17.02
16:46:37	15	41.264670	-91.224670	65	75	169	14689	48191	12.3V 10C HDOP01.0 SATS07	306	482	5.10	8.03	1004	1021.13	16.73	17.02
16:46:53	16	41.262830	-91.224170	48	55	161	14765	48441	12.3V 10C HDOP01.0 SATS07	286	451	4.76	7.51	938	1020.42	15.63	17.01
16:47:08	15	41.261170	-91.223670	30	35	170	14850	48721	12.3V 10C HDOP01.0 SATS07	341	479	5.69	7.99	1120	1021.26	18.67	17.02
16:47:27	19	41.259170	-91.223000	54	62	155	14936	49004	12.3V 10C HDOP01.2 SATS06	272	378	4.54	6.29	894	1020.19	14.90	17.00
16:47:42	15	41.257000	-91.222670	48	55	185	15020	49278	12.2V 08C HDOP01.0 SATS07	334	477	5.57	7.95	1096	1020.82	18.27	17.01
16:47:57	15	41.255170	-91.222000	52	60	161	15098	49533	12.3V 10C HDOP01.2 SATS06	311	476	5.18	7.93	1020	1020.81	17.00	17.01
16:48:13	16	41.253170	-91.221330	61	70	172	15185	49820	12.3V 08C HDOP01.0 SATS07	328	445	5.47	7.42	1076	1021.26	17.94	17.02
16:48:29	16	41.250830	-91.220330	44	51	157	15264	50079	12.3V 08C HDOP01.0 SATS07	296	444	4.93	7.40	971	1020.86	16.19	17.01
16:48:47	18	41.248500	-91.219500	78	90	166	15348	50353	1								

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)
16:51:31	17	41.230000	-91.214500	50	58	148	16200	53148	12.3V 08C HDOP01.0 SATS07	350	417	5.83	6.96	1147	1021.85	19.12	17.03
16:51:47	16	41.228500	-91.213500	43	49	147	16278	53404	12.3V 08C HDOP01.2 SATS06	293	442	4.88	7.37	960	1021.39	16.00	17.02
16:52:01	14	41.226670	-91.212500	61	70	152	16350	53643	12.3V 08C HDOP01.0 SATS07	312	504	5.20	8.40	1024	1021.41	17.07	17.02
16:52:18	17	41.224830	-91.211670	63	72	169	16432	53911	12.2V 08C HDOP01.2 SATS06	288	414	4.80	6.90	946	1020.85	15.76	17.01
16:52:35	17	41.222500	-91.211500	43	49	180	16520	54200	12.3V 08C HDOP01.0 SATS07	311	413	5.18	6.89	1020	1020.85	17.00	17.01
16:52:51	16	41.220670	-91.211830	48	55	202	16604	54476	12.2V 08C HDOP01.0 SATS07	315	438	5.26	7.31	1035	1020.95	17.25	17.02
16:53:07	16	41.219000	-91.212170	35	40	191	16679	54720	12.2V 06C HDOP01.0 SATS07	279	437	4.65	7.29	915	1020.18	15.25	17.00
16:53:24	17	41.217330	-91.212330	28	32	197	16766	55005	12.2V 06C HDOP01.0 SATS07	307	411	5.11	6.85	1006	1020.08	16.76	17.00
16:53:38	14	41.216170	-91.212670	31	36	208	16862	55321	12.2V 08C HDOP01.0 SATS07	413	498	6.88	8.30	1354	1022.47	22.57	17.04
16:53:55	17	41.215170	-91.212830	19	22	165	16943	55588	12.3V 06C HDOP01.0 SATS07	287	409	4.79	6.82	942	1021.90	15.71	17.03
16:54:12	17	41.214500	-91.212670	31	36	150	17028	55866	12.2V 08C HDOP01.0 SATS07	299	409	4.98	6.81	981	1021.61	16.35	17.03
16:54:29	17	41.214000	-91.212000	17	20	130	17115	56153	12.2V 08C HDOP01.2 SATS06	309	408	5.15	6.80	1013	1021.55	16.88	17.03
16:54:45	16	41.213000	-91.211330	43	49	167	17210	56463	12.2V 08C HDOP01.0 SATS07	354	433	5.91	7.21	1163	1022.53	19.38	17.04
16:55:17	32	41.210670	-91.210830	13	15	182	17368	56982	12.1V 06C HDOP01.0 SATS07	297	217	4.94	3.62	973	1022.19	16.22	17.04
16:55:33	16	41.210000	-91.211000	15	17	209	17453	57262	12.2V 06C HDOP01.0 SATS07	320	433	5.33	7.22	1050	1022.38	17.50	17.04
16:55:49	16	41.209170	-91.211170	19	22	210	17539	57542	12.2V 06C HDOP01.2 SATS06	320	432	5.33	7.21	1050	1022.57	17.50	17.04
16:56:05	16	41.208500	-91.211000	15	17	176	17608	57768	12.2V 06C HDOP01.0 SATS07	258	431	4.31	7.19	848	1021.38	14.13	17.02
16:56:22	17	41.207830	-91.211170	26	30	197	17683	58016	12.3V 08C HDOP01.0 SATS07	267	405	4.45	6.75	875	1020.40	14.59	17.01
16:56:56	34	41.206170	-91.211330	22	25	223	17854	58576	12.4V 06C HDOP01.2 SATS06	301	203	5.02	3.39	988	1020.19	16.47	17.00
16:57:10	14	41.205500	-91.211500	17	20	180	17933	58835	12.2V 06C HDOP01.2 SATS06	338	492	5.64	8.20	1110	1020.78	18.50	17.01
16:57:44	34	41.203000	-91.211830	31	36	186	18103	59392	12.2V 06C HDOP01.2 SATS06	300	203	4.99	3.39	983	1020.54	16.38	17.01
16:58:16	32	41.200670	-91.213000	41	47	199	18276	59960	12.2V 06C HDOP01.2 SATS06	325	217	5.41	3.61	1065	1020.83	17.75	17.01
16:58:32	16	41.200000	-91.213670	21	24	0	18365	60253	12.2V 06C HDOP01.4 SATS05	335	403	5.58	7.21	1099	1021.33	18.31	17.02
16:58:49	17	41.199500	-91.214170	30	35	205	18452	60539	12.3V 06C HDOP01.2 SATS06	308	407	5.13	6.78	1009	1021.25	16.82	17.02
16:59:20	31	41.199000	-91.214830	15	17	8	18686	61307	12.4V 06C HDOP01.4 SATS05	453	225	7.55	3.74	1486	1024.24	24.77	17.07
16:59:54	34	41.199000	-91.215500	13	15	287	18772	61589	12.2V 06C HDOP01.4 SATS05	152	204	2.53	3.41	498	1020.88	8.29	17.01
17:00:10	16	41.199000	-91.215830	15	17	349	18857	61867	12.2V 06C HDOP01.2 SATS06	318	434	5.30	7.23	1042	1021.02	17.37	17.02
17:00:25	15	41.199330	-91.216000	7	8	15	18931	62109	12.2V 06C HDOP03.8 SATS04	295	461	4.92	7.69	968	1020.69	16.13	17.01
17:00:41	16	41.199500	-91.216500	9	10	274	19020	62403	12.1V 06C HDOP01.2 SATS05	336	432	5.60	7.20	1102	1021.20	18.37	17.02
17:00:59	18	41.199500	-91.216830	20	23	248	19114	62711	12.2V 06C HDOP02.2 SATS05	313	384	5.22	6.39	1027	1021.23	17.11	17.02
17:01:15	16	41.199500	-91.217330	7	8	266	19199	62990	12.2V 06C HDOP03.8 SATS04	319	431	5.31	7.18	1046	1021.39	17.44	17.02
17:01:31	16	41.199170	-91.217830	24	28	206	19290	63286	12.2V 06C HDOP01.4 SATS05	338	430	5.64	7.17	1110	1021.93	18.50	17.03
17:01:46	15	41.199000	-91.218670	2	2	255	19374	63563	12.2V 06C HDOP03.8 SATS04	338	458	5.63	7.64	1108	1022.45	18.47	17.04
17:02:21	35	41.198670	-91.220830	19	22	263	19539	64105	12.2V 06C HDOP01.2 SATS06	283	197	4.72	3.28	929	1021.89	15.49	17.03
17:02:39	18	41.198670	-91.222000	24	28	248	19630	64403	12.2V 06C HDOP01.2 SATS05	303	382	5.05	6.37	993	1021.72	16.56	17.03
17:03:09	30	41.198000	-91.224500	26	30	259	19800	64961	12.2V 06C HDOP01.4 SATS05	340	230	5.67	3.83	1116	1022.28	18.60	17.04
17:03:40	31	41.197500	-91.226000	6	7	235	19971	65523	12.2V 06C HDOP01.2 SATS06	332	223	5.53	3.72	1088	1022.67	18.13	17.04
17:04:07	27	41.197170	-91.226670	19	22	225	20061	65817	12.2V 06C HDOP01.2 SATS06	199	256	3.32	4.27	653	1020.49	10.89	17.01
17:04:29	22	41.197170	-91.226830	7	8	76	20219	66336	12.2V 06C HDOP01.2 SATS06	431	315	7.19	5.25	1415	1022.81	23.59	17.05
17:04:46	17	41.197330	-91.226330	11	13	56	20307	66625	12.1V 06C HDOP02.3 SATS05	311	407	5.18	6.78	1020	1022.79	17.00	17.05
17:05:04	18	41.197670	-91.225670	15	17	40	20398	66924	12.2V 06C HDOP03.8 SATS04	304	384	5.06	6.40	997	1022.64	16.61	17.04
17:05:34	30	41.197670	-91.224330	15	17	149	20537	67378	12.2V 06C HDOP01.2 SATS05	277	231	4.61	3.84	908	1021.98	15.13	17.03
17:05:52	18	41.197330	-91.223830	24	28	151	20638	67709	12.2V 04C HDOP01.2 SATS06	336	384	5.60	6.40	1103	1022.45	18.39	17.04
17:06:07	15	41.196830	-91.223830	9	10	237	20733	68020	12.2V 04C HDOP03.8 SATS04	379	460	6.32	7.67	1244	1023.71	20.73	17.06
17:06:32	25	41.196500	-91.224000	17	20	232	20814	68286	12.2V 06C HDOP01.2 SATS06	195	276	3.24	4.60	638	1021.52	10.64	17.03
17:06:56	24	41.196500	-91.225670	24	28	300	20985	68849	12.2V 04C HDOP02.7 SATS04	429	288	7.15	4.80	1408	1023.70	23.46	17.06
17:07:29	33	41.197170	-91.226670	19	22	360	21147	69379	12.2V 04C HDOP01.2 SATS06	294	210	4.90	3.50	964	1023.37	16.06	17.06
17:08:04	35	41.197330	-91.227330	24	28	260	21323	69958	12.2V 04C HDOP01.4 SATS05	303	199	5.04	3.31	993	1023.19	16.54	17.05
17:08:18	14	41.197670	-91.227830	11	13	357	21406	70230	12.2V 04C HDOP01.2 SATS06	355	496	5.92	8.26	1166	1023.99	19.43	17.07
17:08:50	32	41.198500	-91.228330	11	13	17	21575	70783	12.2V 04C HDOP02.8 SATS04	316	217	5.27	3.62	1037	1024.06	17.28	17.07
17:09:07	17	41.198670	-91.228670	13	15	212	21680	71130	12.2V 04C HDOP01.2 SATS06	373	409	6.22	6.82	1225	1025.16	20.41	17.09
17:09:24	17	41.198500	-91.228830	20	23	261	21766	71411	12.2V 04C HDOP01.2 SATS06	302	408	5.04	6.81	992	1024.98	16.53	17.08
17:09:39	15	41.198000	-91.229330	26	30	231	21850	71685	12.2V 04C HDOP01.2 SATS05	334	462	5.57	7.70	1096	1025.36	18.27	17.09
17:10:11	32	41.197500	-91.230330	11	13	233	22023	72253	12.2V 04C HDOP01.2 SATS05	325	217	5.41	3.62	1065	1025.58	17.75	17.09
17:10:28	17	41.197330	-91.230830	17	20	220	22109	72537	12.2V 04C HDOP01.4 SATS05	306	408	5.09	6.81	1002	1025.45	16.71	17.09
17:10:44	16	41.197330	-91.231500	19	22	258	22198	72828	12.2V 04C HDOP03.7 SATS04	333	433	5.54	7.22	1091	1025.80	18.19	17.10
17:11:02	18	41.197500	-91.232170	13	15	339	22277	73087	12.2V 04C HDOP01.1 SATS06	263	385	4.39	6.41	863	1024.94	14.39	17.08
17:11:35	33	41.198000	-91.232670	6	7	349	22460	73688	12.2V 04C HDOP03.7 SATS04	333	210	5.55	3.51	1093	1025.30	18.21	17.09
17:12:10	35	41.199170	-91.233000	30	35	12	22599	74145	12.2V 04C HDOP01.2 SATS05	239	199	3.98	3.31	783	1024.03	13.06	17.07
17:12:37	27	41.197330	-91.227000	7	8	303	21228	69646	12.0V 04C HDOP03.8 SATS04	-3047	240	-50.79	4.00	-9998	966.32	-166.63	16.11
17:13:26	49	41.202330	-91.230670	6	7	42	23070	75689	12.2V 04C HDOP01.1 SATS06	2255	143	37.59	2.39	7400	999.83	123.33	16.66
17:13:42	16	41.202830	-91.230500	11	13	45	23157	75976	12.3V 04C HDOP01.1 SATS06	328	439	5.47	7.31	1076	1000.22	17.94	16.67
17:13:59	17	41.202830	-91.230000	17	20	92	23246	76265									

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)
17:17:30	16	41.203670	-91.228830	13	15	206	24419	80114	12.1V 04C HDOP02.5 SATS05	335	445	5.58	7.41	1099	1006.34	18.31	16.77
17:17:46	16	41.203670	-91.228330	30	35	83	24518	80441	12.1V 04C HDOP01.1 SATS06	374	444	6.23	7.40	1226	1007.42	20.44	16.79
17:18:03	17	41.203830	-91.228000	7	8	38	24610	80740	12.2V 04C HDOP01.1 SATS06	322	418	5.36	6.96	1055	1007.66	17.59	16.79
17:18:20	17	41.204170	-91.228000	19	22	347	24695	81021	12.1V 04C HDOP01.4 SATS05	302	417	5.04	6.95	992	1007.58	16.53	16.79
17:18:35	15	41.204670	-91.228330	15	17	0	24796	81352	11.9V 04C HDOP01.2 SATS05	404	472	6.73	7.87	1324	1009.13	22.07	16.82
17:19:01	26	41.205500	-91.228330	17	20	357	24884	81641	12.1V 04C HDOP01.1 SATS06	203	272	3.39	4.54	667	1007.46	11.12	16.79
17:19:40	39	41.208670	-91.227000	30	35	29	25160	82545	12.1V 04C HDOP01.1 SATS06	424	183	7.07	3.04	1391	1009.32	23.18	16.82
17:20:15	35	41.210830	-91.226500	26	30	42	25350	83168	12.1V 04C HDOP01.1 SATS06	326	204	5.43	3.40	1068	1009.60	17.80	16.83
17:20:29	14	41.211670	-91.225830	33	38	44	25433	83443	12.0V 04C HDOP01.2 SATS05	359	509	5.99	8.49	1179	1010.41	19.64	16.84
17:20:46	17	41.212500	-91.224830	28	32	20	25532	83766	12.2V 04C HDOP01.1 SATS06	347	419	5.79	6.99	1140	1011.02	19.00	16.85
17:21:36	50	41.214170	-91.222000	26	30	77	25804	84658	12.1V 04C HDOP01.1 SATS06	326	143	5.44	2.39	1070	1011.31	17.84	16.86
17:22:07	31	41.214670	-91.219670	28	32	59	25996	85290	12.1V 04C HDOP01.1 SATS06	373	232	6.21	3.87	1223	1012.30	20.39	16.87
17:22:56	49	41.216670	-91.217000	26	30	43	25278	82932	12.1V 04C HDOP01.1 SATS06	-880	142	-14.67	2.37	-2887	994.00	-48.12	16.57
17:23:12	16	41.217500	-91.216670	13	15	7	24669	80934	12.0V 04C HDOP01.1 SATS06	-2284	422	-38.06	7.03	-7492	954.34	-124.87	15.91
17:23:35	23	41.217670	-91.216670	15	17	15	24085	79020	12.1V 04C HDOP01.1 SATS06	-1522	285	-25.36	4.75	-4993	926.68	-83.22	15.44
17:23:47	12	41.217830	-91.216330	15	17	77	23527	77189	12.1V 04C HDOP01.1 SATS06	-2790	531	-46.51	8.85	-9155	880.00	-152.58	14.67
17:24:34	47	41.218830	-91.216170	13	15	261	21941	71986	12.0V 04C HDOP01.0 SATS07	-2025	126	-33.74	2.09	-6642	845.34	-110.70	14.09
17:25:55	81	41.219170	-91.217670	24	28	272	19620	64371	12.1V 04C HDOP01.1 SATS06	-1719	65	-28.65	1.08	-5641	815.59	-94.01	13.59
17:26:12	17	41.219000	-91.218000	13	15	206	19216	63044	12.0V 04C HDOP01.1 SATS06	-1428	300	-23.79	5.00	-4684	790.48	-78.06	13.17
17:26:43	31	41.218670	-91.218330	15	17	198	18465	60582	12.0V 04C HDOP01.0 SATS07	-1452	157	-24.21	2.62	-4765	765.22	-79.42	12.75
17:27:18	35	41.216830	-91.219170	30	35	192	17734	58183	12.0V 02C HDOP01.0 SATS07	-1254	133	-20.89	2.22	-4113	743.15	-68.54	12.39
17:27:32	14	41.216170	-91.219330	20	23	186	17374	57001	12.0V 02C HDOP01.0 SATS07	-1544	324	-25.73	5.40	-5066	716.99	-84.43	11.95
17:27:48	16	41.215000	-91.219170	30	35	152	17026	55860	12.0V 02C HDOP01.1 SATS06	-1304	276	-21.74	4.61	-4279	694.58	-71.31	11.58
17:28:05	17	41.214170	-91.219330	30	35	210	16682	54730	12.0V 02C HDOP01.2 SATS06	-1216	254	-20.26	4.23	-3988	673.68	-66.47	11.23
17:28:23	18	41.212670	-91.219670	44	51	179	16361	53678	12.0V 02C HDOP01.0 SATS07	-1069	234	-17.81	3.89	-3507	655.10	-58.44	10.92
17:28:38	15	41.211170	-91.218670	33	38	150	16043	52634	12.0V 00C HDOP01.1 SATS06	-1273	274	-21.21	4.56	-4176	633.72	-69.60	10.56
17:28:53	15	41.210000	-91.218170	50	58	163	15730	51607	12.0V 02C HDOP01.3 SATS06	-1252	267	-20.87	4.45	-4108	612.83	-68.47	10.21
17:30:15	82	41.199500	-91.215330	46	53	177	14214	46635	12.0V 00C HDOP01.2 SATS06	-1109	44	-18.48	0.73	-3638	594.19	-60.63	9.90
17:31:03	48	41.192000	-91.214000	63	72	154	13374	43878	12.0V 00C HDOP01.0 SATS07	-1050	70	-17.51	1.16	-3446	576.55	-57.44	9.61
17:31:20	17	41.189830	-91.213000	57	66	162	13112	43018	12.0V 00C HDOP11.2 SATS04	-925	192	-15.42	3.20	-3035	560.84	-50.59	9.35
17:32:26	66	41.180830	-91.208000	85	98	164	12101	39700	12.0V-02C HDOP01.3 SATS06	-919	45	-15.32	0.76	-3016	545.36	-50.27	9.09
17:32:59	33	41.175170	-91.206670	74	85	173	11633	38166	11.9V-02C HDOP01.0 SATS07	-850	87	-14.17	1.44	-2789	530.98	-46.48	8.85
17:33:47	48	41.168000	-91.203000	56	64	164	10929	35855	11.9V-04C HDOP01.3 SATS06	-881	55	-14.68	0.92	-2889	516.31	-48.15	8.61
17:34:07	20	41.165830	-91.202000	70	81	163	10706	35125	12.0V-04C HDOP03.0 SATS04	-668	130	-11.13	2.16	-2190	504.74	-36.50	8.41
17:34:19	12	41.163330	-91.201000	59	68	166	10493	34426	11.9V-04C HDOP02.7 SATS05	-1065	211	-17.76	3.51	-3495	487.72	-58.25	8.13
17:34:36	17	41.161000	-91.200500	56	64	167	10273	33705	11.9V-04C HDOP01.3 SATS05	-776	145	-12.93	2.41	-2545	474.87	-42.41	7.91
17:34:51	15	41.158830	-91.200170	46	53	185	10008	32836	11.9V-04C HDOP20.0 SATS00	-1059	159	-17.66	2.65	-3476	458.20	-57.93	7.64
17:35:07	16	41.156170	-91.199170	67	77	165	9852	32322	11.9V-04C HDOP01.2 SATS06	-587	146	-9.79	2.43	-1927	448.18	-32.12	7.47
17:35:57	50	41.149170	-91.196830	56	64	168	9263	30392	11.9V-06C HDOP03.3 SATS04	-706	44	-11.77	0.73	-2316	436.61	-38.60	7.28
17:36:13	16	41.147000	-91.196330	46	53	167	9062	29731	11.9V-06C HDOP08.9 SATS00	-756	132	-12.59	2.21	-2479	424.46	-41.31	7.07
17:36:45	32	41.142500	-91.195170	50	58	173	8679	28475	11.9V-06C HDOP01.3 SATS06	-718	63	-11.96	1.05	-2355	412.93	-39.25	6.88
17:37:02	17	41.140500	-91.194830	63	72	176	8482	27829	11.9V-06C HDOP00.9 SATS08	-695	115	-11.58	1.92	-2280	401.80	-38.00	6.70
17:37:53	51	41.134170	-91.194170	50	58	181	7909	25947	11.9V-06C HDOP01.0 SATS07	-675	35	-11.25	0.59	-2214	391.04	-36.90	6.52
17:38:05	12	41.131830	-91.194330	59	68	186	7729	25356	11.9V-08C HDOP02.2 SATS06	-901	146	-15.01	2.44	-2955	377.33	-49.25	6.29
17:38:39	34	41.127330	-91.193830	44	51	173	7354	24128	11.9V-08C HDOP19.8 SATS03	-661	49	-11.01	0.81	-2167	366.94	-36.12	6.12
17:39:28	49	41.122000	-91.193830	43	49	193	6820	22375	11.9V-08C HDOP01.0 SATS07	-654	31	-10.90	0.52	-2147	356.72	-35.78	5.95
17:40:17	49	41.117830	-91.195000	28	32	203	6307	20691	11.9V-08C HDOP01.2 SATS06	-629	28	-10.48	0.47	-2062	346.93	-34.37	5.78
17:40:34	17	41.116170	-91.196330	44	51	219	6130	20112	11.9V-08C HDOP04.5 SATS05	-623	79	-10.38	1.31	-2044	337.29	-34.06	5.62
17:40:48	14	41.114670	-91.197170	37	43	211	5954	19534	11.9V-06C HDOP02.9 SATS05	-755	92	-12.58	1.54	-2477	325.99	-41.29	5.43
17:41:06	18	41.113170	-91.198000	39	45	198	5793	19005	11.9V-06C HDOP01.8 SATS06	-537	69	-8.96	1.16	-1763	317.63	-29.39	5.29
17:41:29	23	41.111500	-91.199000	35	40	201	5625	18456	11.9V-06C HDOP01.0 SATS07	-437	52	-7.28	0.87	-1432	310.66	-23.87	5.18
17:42:11	42	41.106500	-91.200670	31	36	197	5133	16841	11.9V-06C HDOP01.1 SATS06	-703	26	-11.72	0.43	-2307	300.27	-38.45	5.00
17:42:43	32	41.103170	-91.202000	50	58	180	4809	15778	11.9V-06C HDOP02.6 SATS05	-608	31	-10.13	0.52	-1993	291.21	-33.22	4.85
17:43:16	33	41.100000	-91.202500	54	62	179	4499	14761	11.9V-06C HDOP01.2 SATS07	-564	28	-9.39	0.47	-1849	282.78	-30.82	4.71
17:43:32	16	41.098500	-91.202500	31	36	176	4349	14267	11.9V-06C HDOP01.3 SATS06	-565	55	-9.41	0.92	-1852	274.41	-30.87	4.57
17:44:04	32	41.095670	-91.202830	37	43	202	4018	13183	11.9V-06C HDOP17.4 SATS03	-620	25	-10.33	0.42	-2032	265.40	-33.87	4.42
17:44:54	50	41.092000	-91.203500	31	36	171	3587	11769	11.8V-04C HDOP01.2 SATS07	-517	14	-8.62	0.23	-1697	257.76	-28.28	4.30
17:45:41	47	41.088830	-91.202830	24	28	180	3153	10343	11.8V-04C HDOP01.0 SATS07	-555	13	-9.25	0.21	-1820	249.71	-30.34	4.16
17:46:29	48	41.086000	-91.203000	26	30	198	2722	8929	11.8V-04C HDOP01.8 SATS05	-539	10	-8.98	0.17	-1768	241.92	-29.46	4.03
17:46:46	17	41.085000	-91.203330	31	36	191	2571	8436	11.9V-04C HDOP02.7 SATS04	-530	27	-8.84	0.45	-1740	234.29	-29.00	3.90
17:47:21	35	41.084000	-91.203670	26	30	201	2314	7592	11.8V-04C HDOP03.1 SATS04	-441	11	-7.35	0.19	-1447	227.85	-24.11	3.80
17:47:34	13	41.083330	-91.204000	35	40	202	2172	7126	11.8V-04C HDOP02.5 SATS05	-656	28	-10.93	0.46	-2151	218.77	-35.85	3.65
17:47:50	16	41.082500	-91.204500	28	32	199	2023	6638	11.8V-02C HDOP03.1 SATS04	-558	20	-9.30					

Time	Reporting Period (s)	lat	lng	Speed (Kts)	Speed (MPH)	Course	Altitude (m)	Altitude (ft)	Comment	Ascent Rate (m/min)	AVG Ascent Rate (m/min)	Ascent Rate (m/sec)	AVG Ascent Rate (m/sec)	Ascent Rate (ft/min)	AVG Ascent Rate (ft/min)	Ascent Rate (ft/sec)	AVG Ascent Rate (ft/sec)
17:50:49	16	41.079830	-91.202670	17	20	81	584	1917	11.8V 00C HDOP00.9 SATS08	-492	0	-8.19	0.00	-1613	164.23	-26.88	2.74
17:51:05	16	41.080000	-91.202500	15	17	208	457	1499	11.8V 00C HDOP02.0 SATS06	-478	-2	-7.96	-0.03	-1567	157.84	-26.12	2.63
17:51:24	19	41.079830	-91.202000	20	23	141	319	1048	11.9V 00C HDOP00.9 SATS08	-434	-3	-7.24	-0.05	-1424	152.02	-23.74	2.53