

GPS Date	GPS	Ground	Ground	Destin	Destina	Bearing	System	Pitch	Roll	Indicated		Angle of	Vertical		Oil	RPM	Manifold	Fuel	Fuel	Fuel	Amps
	Altit	Speed	Track	ation	tion					Airspeed	Turn Rate		Attack	Speed							
	(feet)	(knots)	(deg)	ID	(NM)		Time	(deg)	(deg)	(knots)	(deg/s)	(%)	(ft/min)	(knots)	(PSI)		(inHg)	hr)	(PSI)	(gal)	
10/28/2017	1385	11.7	233.6				20:10:09	12.1	-0.7	20.1	-0.5	49	9	21.2	43	1546	11	2.5	36.1	26.4	12.7
10/28/2017	1370	10.6	47.8				20:12:29	16.1	0.1	20.5	0.9	99	116	21.6	46	3262	25.2	3.6	42.8	26.3	13.5
10/28/2017	1690	71.5	45.9				20:13:00	13.9	2.7	79.1	-1	37	1049	84	49	5085	25.7	12	41.8	26.2	26.6
10/28/2017	2637	70.9	55.8				20:14:00	13.5	26.1	75.8	4.9	31	1174	81.6	43	4757	23.9	10.9	41.2	26	20
10/28/2017	3057	87.2	212.6				20:15:00	5.5	2.2	86.5	-1	24	434	93.5	42	4296	19.5	7.2	39.4	25.9	18.2
10/28/2017	3010	93.4	206.2				20:16:00	-0.7	-4.4	93.9	1.7	5	-165	101.3	41	4127	13	4.9	37.2	25.8	17
10/28/2017	2462	90.8	191.8				20:17:00	2.8	-1.4	92.7	-1.2	12	-492	99.2	42	4092	13.3	3.8	37.4	25.7	16.7
10/28/2017	2414	89.8	201.2				20:18:00	3.1	-0.9	94.9	-0.6	8	92	101.5	42	4408	16	6.1	38.2	25.6	17.9
10/28/2017	2419	102.6	210.6	KCHD	4.8	197.4	20:20:00	1.6	7.6	103.2	1.6	9	148	110.4	41	4232	18.8	6.8	39.1	25.4	18.1
10/28/2017	2367	97.8	213.9	KCHD	3.3	188.3	20:21:00	1.8	3.3	99.5	-0.3	12	-267	106.3	41	3993	16.9	5.5	38.7	25.3	17.2
10/28/2017	2191	82.3	225.8	KCHD	2.2	165.9	20:22:00	-0.1	1	86.5	-0.7	14	25	92.1	39	3427	14.9	3.7	38.1	25.2	18.7
10/28/2017	1889	84.3	213.2	KCHD	1.7	126.4	20:23:00	4.2	0.8	87.3	-0.2	21	-338	92.6	41	3700	20.3	5.9	39.8	25.1	17.3
10/28/2017	1647	81.1	148.5	KCHD	1.4	79.3	20:24:00	-0.3	-0.2	87.2	-0.5	20	-280	92.2	42	3994	17.8	5.7	38.7	25	17.5
10/28/2017	1526	68.5	83.5	KCHD	1.1	54.6	20:24:30	0	-13.3	72.6	-4.2	40	-331	76.6	38	3154	13.5	4	36.8	25	15.6
10/28/2017	1322	69.4	49.9	KCHD	0.7	54.7	20:24:50	0.3	3.2	73.6	2.8	34	-574	77.4	38	2691	14.3	3.4	38	24.9	14.8
10/28/2017	1242	52.4	46.3	KCHD	0.6	55.7	20:25:00	6.7	-7.7	57.8	-0.1	73	-681	60.8	27	1632	28.7	2.2	44.7	24.9	11.6
10/28/2017	1236	52.4	46.3	KCHD	0.6	55.8	20:25:00	6.2	-5.2	57.9	-0.1	77	-687	60.8	27	1632	28.8	2.2	44.7	24.9	11.8
10/28/2017	1236	52.4	46.3	KCHD	0.6	55.8	20:25:00	5.3	-2.4	59.8	-0.1	82	-658	62.8	27	1632	28.9	2.2	44.7	24.9	12
10/28/2017	1236	52.4	46.3	KCHD	0.6	55.8	20:25:00	4	2.4	60.6	-0.2	83	-624	63.7	27	1580	28.9	2.2	44.7	24.9	12.3
10/28/2017	1236	52.1	46.4	KCHD	0.6	55.8	20:25:00	1.7	8.1	58	-0.3	92	-655	61	27	1580	29	2.2	44.7	24.9	12.5
10/28/2017	1231	52.1	46.4	KCHD	0.6	55.8	20:25:00	-2.9	8.5	54.7	-0.4	80	-708	57.5	27	1580	29	2.2	44.7	24.9	12.7
10/28/2017	1231	48.6	46.9	KCHD	0.6	55.8	20:25:00	-29.2	29.4	0	0.6	99	-740	0	25	1369	29.1	2.1	44.2	24.9	13.4
10/28/2017	1228	48.6	46.9	KCHD	0.6	55.8	20:25:00	-29.8	29.2	0	1	99	-777	0	24	1369	29.1	2.1	43.3	24.9	13.5
10/28/2017	1228	48.6	46.9	KCHD	0.6	55.8	20:25:00	-30.8	27.9	0	1.4	99	-808	0	23	1369	29.1	2.1	42.6	24.9	13.5
10/28/2017	1228	48.6	46.9	KCHD	0.6	55.8	20:25:00	-34.1	25.2	0	1.7	99	-841	0	21	1369	29.1	2.1	42.6	24.9	13.2
10/28/2017	1228	33.1	45.7	KCHD	0.6	55.8	20:25:00	-33.7	23.5	0	2.6	99	-872	0	19	1369	29.2	2.1	42.9	24.9	12.8
10/28/2017	1228	33.1	45.7	KCHD	0.6	55.9	20:25:00	-34.4	21.6	0	3.3	99	-894	0	17	1369	29.2	2.1	43.2	24.9	12.4
10/28/2017	1230	33.1	45.7	KCHD	0.6	55.9	20:25:00	-34.3	17.5	0	4.5	99	-929	0	15	1369	29.2	2.1	43.4	24.9	12
10/28/2017	1230	33.1	45.7	KCHD	0.6	55.9	20:25:00	-36.3	13.5	0	5.7	99	-973	0	13	1369	29.2	1.9	43.6	24.9	11.6
10/28/2017	1230	30.3	46	KCHD	0.6	55.9	20:25:01	-36.8	11.2	0	6.4	99	-1025	0	11	1369	29.2	1.9	43.6	24.9	11.2
10/28/2017	1232	30.3	46	KCHD	0.5	56	20:25:01	-37.8	9.9	0	6.5	99	-1053	0	10	1369	29.2	1.9	43.6	24.9	10.9
10/28/2017	1232	30.3	46	KCHD	0.5	56	20:25:01	-36.7	12	0	6.3	99	-1070	0	9	1369	29.2	1.9	43.5	24.9	10.7
10/28/2017	1232	30.3	46	KCHD	0.5	56	20:25:01	-33.5	14.4	0	6.1	99	-1090	0	8	0	29.2	1.9	43.3	24.9	10.4
10/28/2017	1220	28.1	48	KCHD	0.5	55.9	20:25:01	-31.2	12.5	0	6.1	99	-1121	0	5	0	29.3	1.9	42.1	24.9	9.7
10/28/2017	1220	28.1	48	KCHD	0.5	55.9	20:25:01	-32.2	6.9	0	6.1	99	-1137	0	5	0	29.3	1.7	42.2	24.9	9.5
10/28/2017	1231	24.6	45.8	KCHD	0.5	56	20:25:01	-29.6	0.6	0	5.6	99	-1146	0	3	0	29.3	1.7	42.4	24.9	9.2
10/28/2017	1231	20.8	46.9	KCHD	0.5	56	20:25:01	-25.3	8.1	0	4.7	99	-1130	0	2	0	29.4	1.7	42.3	24.9	8.6
10/28/2017	1230	20.8	46.9	KCHD	0.5	56	20:25:01	-25.6	0.1	0	4.1	99	-1127	0	2	0	29.5	1.5	42.5	24.9	7.9
10/28/2017	1230	17	46.4	KCHD	0.5	56	20:25:02	-25.8	2.7	0	3.4	99	-1103	0	1	0	29.5	1.5	42.3	24.9	7.5
10/28/2017	1230	17	46.4	KCHD	0.5	56	20:25:02	-22.7	5.7	0	3.1	99	-1088	0	1	0	29.5	1.5	42.1	24.9	7.3
10/28/2017	1230	17	46.4	KCHD	0.5	56	20:25:02	-21.4	7.5	0	2.9	99	-1070	0	1	0	29.5	1.5	41.9	24.9	7.1
10/28/2017	1230	13.1	48.2	KCHD	0.5	56	20:25:02	-21.5	7.4	0	2.7	99	-1060	0	1	0	29.5	1.5	41.7	24.9	7
10/28/2017	1230	13.1	48.2	KCHD	0.5	56.1	20:25:02	-21.2	6	0	2.5	99	-1053	0	1	0	29.5	1.5	41.5	24.9	6.8
10/28/2017	1230	13.1	48.2	KCHD	0.5	56.1	20:25:02	-20.1	3.9	0	2.3	99	-1039	0	1	0	29.5	1.5	41.4	24.9	6.7
10/28/2017	1230	13.1	48.2	KCHD	0.5	56.1	20:25:02	-21.1	4.2	0	2	99	-1024	0	1	0	29.5	1.4	41.3	24.9	6.6
10/28/2017	1230	10	47.9	KCHD	0.5	56.1	20:25:02	-19.9	4.1	0	1.8	99	-1008	0	1	0	29.5	1.4	41.4	24.9	6.4
10/28/2017	1230	10	47.9	KCHD	0.5	56.1	20:25:02	-18.6	6.8	0	1.6	99	-990	0	0	0	29.5	1.4	41.4	24.9	6.3

10/28/2017	1230	10	47.9	KCHD	0.5	56.1	20:25:02	-18.7	8.8	0	1.4	99	-971	0	0	0	29.5	1.4	41.4	24.9	6.1
10/28/2017	1230	10	47.9	KCHD	0.5	56.1	20:25:02	-18.1	8.6	0	1.3	99	-957	0	0	0	29.5	1.4	41.4	24.9	6
10/28/2017	1230	6.7	48.5	KCHD	0.5	56.1	20:25:02	-17.4	7.8	0	1.1	99	-943	0	0	0	29.5	1.4	41.5	24.9	5.9
10/28/2017	1230	6.7	48.5	KCHD	0.5	56.1	20:25:02	-17.4	6.5	0	0.9	99	-929	0	0	0	29.5	1.4	41.6	24.9	5.7
10/28/2017	1230	6.7	48.5	KCHD	0.5	56.1	20:25:02	-17.5	6	0	0.7	99	-912	0	0	0	29.5	1.4	41.5	24.9	5.6
10/28/2017	1230	6.7	48.5	KCHD	0.5	56.1	20:25:02	-16.7	6	0	0.4	99	-893	0	0	0	29.5	1.3	41.5	24.9	5.5
10/28/2017	1230	3.7	47.6	KCHD	0.5	56.1	20:25:03	-16	6.7	0	0.2	99	-874	0	0	0	29.5	1.3	41.3	24.9	5.3
10/28/2017	1230	3.7	47.4	KCHD	0.5	56.1	20:25:03	-15.6	7.9	0	-0.1	99	-858	0	0	0	29.5	1.3	41.2	24.9	5.1
10/28/2017	1230	3.7	47.3	KCHD	0.5	56.1	20:25:03	-15.4	8.3	0	-0.3	99	-844	0	0	0	29.5	1.3	41.1	24.9	4.9
10/28/2017	1230	3.7	47.3	KCHD	0.5	56.1	20:25:03	-12.2	8.1	0	-0.4	99	-821	0	0	0	29.5	1.3	41.2	24.9	4.7
10/28/2017	1230	0.4	47.3	KCHD	0.5	56.1	20:25:03	-8.9	11.1	0	-0.5	99	-791	0	0	0	29.5	1.3	41.4	24.9	4.5
10/28/2017	1230	0.4	47.3	KCHD	0.5	56.1	20:25:03	-6.5	12.9	0	-0.6	99	-766	0	0	0	29.5	1.3	41.7	24.9	4.4
10/28/2017	1230	0.4	47.3	KCHD	0.5	56.1	20:25:03	-4.1	12.6	0	-0.6	99	-747	0	0	0	29.5	1.3	42.1	24.9	4.2
10/28/2017	1230	0.4	47.3	KCHD	0.5	56.1	20:25:03	-2	12	0	-0.6	99	-727	0	0	0	29.5	1.2	42.5	24.9	4.1
10/28/2017	1230	1.2	57.2	KCHD	0.5	56.1	20:25:03	0.1	11.5	0	-0.6	99	-707	0	0	0	29.5	1.2	42.7	24.9	4
10/28/2017	1230	1.2	66.6	KCHD	0.5	56.1	20:25:03	2	11.2	0	-0.6	99	-689	0	0	0	29.5	1.2	43	24.9	3.8
10/28/2017	1230	1.2	75.5	KCHD	0.5	56.1	20:25:03	3.8	10.8	0	-0.6	99	-671	0	0	0	29.5	1.2	43.1	24.9	3.6
10/28/2017	1230	1.2	83.8	KCHD	0.5	56.1	20:25:03	5.5	10.5	0	-0.6	99	-654	0	0	0	29.5	1.2	43.1	24.9	3.4
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:03	7.1	10.1	0	-0.5	99	-637	0	0	0	29.5	1.2	43.2	24.9	3.1
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:03	8.5	9.7	0	-0.5	99	-619	0	0	0	29.5	1.2	43.1	24.9	2.9
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:03	10	9.5	0	-0.5	99	-602	0	0	0	29.4	1.2	43.1	24.9	2.6
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:03	11.3	9.2	0	-0.5	99	-584	0	0	0	29.3	1.1	43.1	24.9	2.3
10/28/2017	1230	0.7	83.8	KCHD	0.5	56.1	20:25:04	12.5	9	0	-0.4	99	-567	0	0	0	29.2	1.1	43.1	24.9	2.1
10/28/2017	1230	0.7	83.8	KCHD	0.5	56.1	20:25:04	12.6	8.7	0	-0.4	99	-552	0	0	0	29.2	1.1	43.1	24.9	1.9
10/28/2017	1230	0.7	83.8	KCHD	0.5	56.1	20:25:04	11.2	8.4	0	-0.4	99	-537	0	0	0	29.1	1.1	43.1	24.9	1.6
10/28/2017	1230	0.7	83.8	KCHD	0.5	56.1	20:25:04	9.9	8.3	0	-0.3	99	-523	0	0	0	29.1	1.1	43.1	24.9	1.4
10/28/2017	1230	0.5	83.8	KCHD	0.5	56.1	20:25:04	8.7	8.1	0	-0.3	99	-508	0	0	0	29.1	1.1	43.1	24.9	1.2
10/28/2017	1230	0.5	83.8	KCHD	0.5	56.1	20:25:04	7.6	7.9	0	-0.3	99	-494	0	0	0	29	1.1	43.1	24.9	0.9
10/28/2017	1230	0.5	83.8	KCHD	0.5	56.1	20:25:04	6.5	7.7	0	-0.3	99	-481	0	0	0	29	1.1	43.1	24.9	0.6
10/28/2017	1230	0.5	83.8	KCHD	0.5	56.1	20:25:04	5.5	7.5	0	-0.2	99	-467	0	0	0	29	1.1	43.1	24.9	0.4
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:04	4.5	7.4	0	-0.2	99	-454	0	0	0	29	1.1	43.1	24.9	0.1
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:04	3.6	7.2	0	-0.2	99	-441	0	0	0	29	1.1	43.1	24.9	-0.1
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:04	2.8	7.1	0	-0.2	99	-430	0	0	0	28.9	1.1	43.1	24.9	-0.3
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:04	2	6.9	0	-0.1	99	-418	0	0	0	28.9	1.1	43.1	24.9	-0.5
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:04	1.3	6.8	0	-0.1	99	-408	0	0	0	28.9	1.1	43.1	24.9	-0.6
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:04	0.6	6.7	0	-0.1	99	-397	0	0	0	28.9	1.1	43.1	24.9	-0.7
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:04	-0.1	6.6	0	-0.1	99	-385	0	0	0	28.9	1.1	43.1	24.9	-0.9
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:04	-0.7	6.4	0	-0.1	99	-374	0	0	0	28.9	1	43.1	24.9	-1
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:05	-1.2	6.3	0	-0.1	99	-363	0	0	0	28.9	1	43.1	24.9	-1.1
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:05	-1.8	6.3	0	0	99	-354	0	0	0	28.9	1	43.1	24.9	-1.3
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:05	-2.3	6.2	0	0	99	-343	0	0	0	28.9	1	43.1	24.9	-1.4
10/28/2017	1230	0.1	83.8	KCHD	0.5	56.1	20:25:05	-2.7	6.1	0	0	99	-333	0	0	0	28.9	1	43.1	24.9	-1.5
10/28/2017	1230	0	83.8	KCHD	0.5	56.1	20:25:05	-3.2	6	0	0	99	-323	0	0	0	28.9	1	43.1	24.9	-1.6

Hobbs	Tach	EGT 6	EGT 5	EGT 4	EGT 3	EGT 2	EGT 1	COOL	COOL
Time	Time	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	(deg C)	psi	deg c
48.9	36.9	519	524	520	530	513	529	0	68.9
49	36.9	522	530	530	535	526	541	4	77
49	36.9	726	734	753	741	723	732	7.1	80.2
49	36.9	744	755	764	754	736	751	11.3	83.8
49	36.9	725	715	743	729	724	740	11.3	82
49	36.9	733	721	740	743	732	745	9.4	79.3
49	37	700	685	690	703	689	701	8.2	77.1
49.1	37	728	717	745	735	730	744	8.9	79.8
49.1	37	715	696	728	712	712	723	9	79.9
49.1	37	716	690	722	712	707	718	8.6	79
49.1	37	699	682	702	698	687	698	7.8	78.5
49.1	37.1	687	661	689	673	670	679	8.2	79.1
49.2	37.1	705	683	712	701	693	707	8.6	79.7
49.2	37.1	710	689	714	705	696	711	8.2	80.1
49.2	37.1	680	665	683	684	671	685	7.9	79.7
49.2	37.1	413	409	438	447	438	437	7.5	79.2
49.2	37.1	412	408	438	447	438	437	7.5	79.2
49.2	37.1	411	407	437	446	438	436	7.5	79.2
49.2	37.1	410	406	436	445	436	435	7.5	79.2
49.2	37.1	409	405	435	444	435	434	7.5	79.2
49.2	37.1	409	406	437	447	438	437	7.5	79.2
49.2	37.1	408	409	443	456	444	442	7.8	79.2
49.2	37.1	407	408	445	457	445	443	9	79.2
49.2	37.1	405	407	444	455	444	441	10	79.1
49.2	37.1	403	402	436	445	435	433	10	79.1
49.2	37.1	401	397	428	433	425	423	9.3	79.1
49.2	37.1	399	393	421	425	417	415	8.6	79.1
49.2	37.1	399	392	419	422	415	414	8.2	79
49.2	37.1	399	392	418	421	414	413	7.9	79
49.2	37.1	399	392	419	423	415	413	7.8	79
49.2	37.1	399	393	420	424	416	415	7.8	79
49.2	37.1	400	394	422	428	420	418	7.8	79
49.2	37.1	401	398	427	435	426	424	7.9	79
49.2	37.1	401	399	429	438	429	427	8.2	79
49.2	37.1	402	399	430	439	430	428	8.3	79
49.2	37.1	402	401	433	444	435	434	8.2	79
49.2	37.1	404	405	438	452	441	440	8.2	79
49.2	37.1	402	402	435	448	437	434	8.2	79
49.2	37.1	403	405	438	452	439	436	8.1	79
49.2	37.1	403	406	440	454	441	438	8.1	79
49.2	37.1	404	406	441	456	443	440	8.1	78.9
49.2	37.1	403	405	440	455	442	439	8.1	78.9
49.2	37.1	402	403	437	450	438	435	8.1	78.9
49.2	37.1	402	401	434	446	436	433	8.1	78.9
49.2	37.1	401	401	433	445	435	433	8	78.9
49.2	37.1	401	401	434	446	436	434	8.1	78.9
49.2	37.1	402	402	435	447	437	435	8.1	78.9

49.2	37.1	402	402	436	449	438	436	8.1	78.9
49.2	37.1	402	402	435	448	436	433	8.1	78.9
49.2	37.1	401	401	434	446	434	431	8.1	78.9
49.2	37.1	401	401	434	446	435	432	8	78.9
49.2	37.1	401	402	435	448	436	433	8	78.9
49.2	37.1	402	402	437	450	438	435	8	78.9
49.2	37.1	402	403	438	452	440	437	8.1	78.8
49.2	37.1	402	403	438	452	440	437	8.2	78.8
49.2	37.1	402	403	437	451	439	436	8.2	78.8
49.2	37.1	402	403	437	451	439	436	8.1	78.8
49.2	37.1	402	404	438	453	441	437	8	78.8
49.2	37.1	402	405	440	456	443	440	8	78.8
49.2	37.1	402	405	440	456	444	440	8	78.8
49.2	37.1	402	404	439	454	442	438	7.9	78.8
49.2	37.1	400	400	433	445	434	430	7.9	78.8
49.2	37.1	398	394	424	431	422	419	7.9	78.8
49.2	37.1	396	389	417	420	412	409	7.9	78.8
49.2	37.1	395	386	411	412	405	402	7.9	78.8
49.2	37.1	394	384	408	407	401	398	7.9	78.8
49.2	37.1	394	383	407	405	399	396	7.9	78.8
49.2	37.1	394	383	407	405	398	396	7.9	78.7
49.2	37.1	394	383	407	405	399	396	7.9	78.7
49.2	37.1	394	383	408	406	399	397	7.9	78.7
49.2	37.1	394	383	408	406	399	397	7.9	78.7
49.2	37.1	394	383	408	407	400	397	7.9	78.7
49.2	37.1	394	383	408	407	400	397	7.9	78.7
49.2	37.1	393	383	408	407	400	397	7.9	78.7
49.2	37.1	393	383	408	407	400	398	7.9	78.7
49.2	37.1	393	383	408	407	400	398	7.9	78.7
49.2	37.1	393	383	408	407	400	397	7.9	78.6
49.2	37.1	393	383	408	407	400	397	7.9	78.6
49.2	37.1	393	383	408	407	399	397	7.9	78.6
49.2	37.1	393	383	408	407	399	397	7.9	78.6
49.2	37.1	393	383	408	407	399	397	7.9	78.6
49.2	37.1	393	382	408	407	399	397	7.9	78.6
49.2	37.1	393	382	408	407	399	397	7.9	78.6
49.2	37.1	393	382	408	407	399	397	7.9	78.6
49.2	37.1	393	382	408	407	399	397	7.9	78.6
49.2	37.1	393	382	408	407	399	397	7.9	78.6
49.2	37.1	393	382	408	407	399	397	7.9	78.6
49.2	37.1	393	382	408	406	399	397	7.9	78.6