

NTSB CEN1 Attachment 1 to Specialist's Factual Report

Operator: Private

Registration: N7872

Source of C AFS-3400 S/N 60331

Date of Event: 02/22/14

Location: T Kansas

DATA

AFS 3400 C (HH:MM:S:(ft)	ALTITUDE NUMBER	AIRSPEED (knots) NUMBER	AOA_WING (psf) NUMBER	G_METER (gs) NUMBER	GROUND_S (Knots) NUMBER	HEADING (deg) NUMBER	PITCH (deg) NUMBER	ROLL (deg) NUMBER	SLIP (unk) NUMBER
17:44:42	3850	4	0.5	1	0	90	-8.37	0.3	0.01
17:44:47	3850	3	0.5	1	0	89	-8.37	0.3	0.01
17:44:52	3850	5	0.5	1	0	89	-8.37	0.2	0.01
17:44:57	3840	4	0.6	1	0	89	-8.41	0.3	0
17:45:02	3840	5	0.6	1	0	89	-8.34	0.2	0
17:45:07	3840	4	0.5	1	0	89	-8.44	0.2	0
17:45:12	3840	4	0.5	1	0	89	-8.32	0.2	0.01
17:45:17	3840	4	0.6	1	0	89	-8.36	0.3	0.01
17:45:22	3850	3	0.5	1	0	89	-8.39	0.3	0.01
17:45:27	3840	4	0.6	1	0	89	-8.39	0.3	0.01
17:45:32	3840	4	0.5	1	0	89	-8.39	0.3	0.01
17:45:37	3840	3	0.6	1	0	89	-8.42	0.3	0.01
17:45:42	3840	4	0.6	1	0	89	-8.44	0.3	0
17:45:47	3620	3	0.6	1	0	89	-8.37	0.3	0.01
17:45:52	3620	5	0.6	1	0	89	-8.41	0.2	0.01
17:45:57	3620	6	0.6	1	0	89	-8.46	0.2	0
17:46:02	3620	4	0.6	1	0	89	-8.39	0.3	0
17:46:08	3620	5	0.6	1	0	89	-8.42	0.3	0
17:46:13	3620	4	0.6	1	0	89	-8.44	0.2	0.01
17:46:18	3620	4	0.6	1	0	89	-8.38	0.2	0
17:46:23	3620	4	0.6	1	0	89	-8.37	0.2	0.01
17:46:28	3620	3	0.6	1	0	89	-8.37	0.3	0
17:46:33	3620	4	0.6	1	0	88	-7.98	0.2	0
17:46:38	3620	5	0.6	1	0	79	-7.44	0.3	0.01
17:46:43	3620	2	0.4	1	0	12	-6.87	0.6	0.06
17:46:48	3630	1	0.4	1	0	351	-6.51	0	0
17:46:53	3620	3	0.5	1	0	358	-6.26	0.1	0.02
17:46:58	3620	6	0.6	1	0	48	-7.03	0.4	0.1
17:47:03	3620	7	0.8	1	0	87	-6.94	0.2	0.01
17:47:08	3620	9	0.9	1	0	84	-6.34	0.6	0.01
17:47:14	3620	8	0.8	1	6	73	-7.75	0	0.05
17:47:19	3620	3	0.5	1	5	10	-6.81	0.7	0.07
17:47:24	3630	1	0.4	1	5	356	-6.55	0.5	0
17:47:29	3620	4	0.5	1	9	357	-6.7	0.4	0
17:47:34	3620	4	0.6	1	12	357	-6.49	0.3	0.02
17:47:39	3620	6	0.7	1	15	357	-6.54	0.3	0
17:47:44	3620	7	0.8	1	16	356	-7.26	0.4	0.01

17:47:49	3620	7	0.8	1	15	355	-7.74	0.6	0
17:47:54	3620	5	0.7	1	12	357	-8.06	0.8	0.01
17:47:59	3620	7	0.8	1	4	77	-8.21	-1.2	0.08
17:48:04	3620	5	0.7	1	0	133	-6.65	-1.6	0
17:48:10	3620	4	0.7	1	0	136	-7.77	0.7	0
17:48:15	3620	5	0.7	1	0	137	-8.5	0.3	0
17:48:20	3620	4	0.7	1	0	138	-8.54	0.1	0
17:48:25	3620	4	0.7	1	0	138	-8.6	0.2	0
17:48:30	3620	4	0.7	1	0	138	-8.66	0.1	0
17:48:35	3620	4	0.7	1	0	138	-8.58	0.2	0
17:48:40	3620	5	0.8	1	0	137	-8.53	0.1	0
17:48:45	3620	4	0.7	1	0	137	-8.57	0.1	0
17:48:50	3620	4	0.7	1	0	138	-8.6	0.1	0
17:48:55	3620	3	0.7	1	0	138	-8.62	0.1	0
17:49:01	3620	4	0.7	1	0	138	-8.56	0.1	0
17:49:06	3630	5	0.7	1	0	138	-8.53	0.1	0
17:49:11	3630	5	0.7	1	0	138	-8.54	0.1	0
17:49:16	3630	4	0.7	1	0	138	-8.54	0	0
17:49:21	3620	5	0.7	1	0	138	-8.51	0	0
17:49:26	3620	4	0.7	1	0	138	-8.49	0.1	0.01
17:49:31	3620	5	0.7	1	0	138	-8.5	0.1	0.01
17:49:36	3620	4	0.7	1	0	138	-8.5	0	0
17:49:41	3630	5	0.7	1	0	138	-8.51	0.1	0.01
17:49:47	3630	4	0.7	1	0	138	-8.54	0	0
17:49:52	3630	4	0.7	1	0	138	-8.45	0	0
17:49:57	3630	4	0.7	1	0	138	-8.5	0.1	0
17:50:02	3630	5	0.7	1	0	137	-8.45	0.1	0
17:50:07	3630	5	0.7	1	0	138	-8.48	0.1	0
17:50:12	3630	5	0.8	1	0	138	-8.5	0	0
17:50:17	3630	5	0.8	1	0	138	-8.51	0	0
17:50:22	3640	4	0.8	1	0	137	-8.39	0	0.01
17:50:28	3640	5	0.8	1	0	140	-8.24	0.1	0
17:50:33	3640	6	0.8	1	0	131	-8.24	0.1	0
17:50:38	3630	6	0.8	1	0	88	-7.37	0.8	0
17:50:43	3630	5	0.8	1	3	81	-7.6	0.5	0
17:50:48	3630	6	0.8	1	4	81	-7.93	0.3	0
17:50:53	3630	8	0.9	1	6	84	-7.32	0.2	0.02
17:50:58	3630	9	1	1	7	96	-7.12	0	0.02
17:51:03	3640	8	1	1	5	136	-6.98	0.3	0.04
17:51:08	3640	6	0.9	1	5	171	-6.79	-1	0.03
17:51:13	3630	9	1.2	1	11	175	-6.45	-1.1	0.01
17:51:18	3630	24	1.8	1	24	174	-6.13	-1	0.01
17:51:24	3620	53	3.5	1	45	174	-6.51	0.7	0.04
17:51:29	3610	71	5	1	65	175	-6.03	-1.3	0.07
17:51:34	3620	91	8.4	1	81	167	-2.62	3.9	0.01
17:51:39	3650	105	9.5	1	93	168	0.77	-3	0.01
17:51:44	3710	114	10.2	1	100	170	-1.21	4.4	0.02

17:51:49	3790	119	10.3	1	103	171	0.24	-2.3	0.01
17:51:54	3870	118	10.1	1	103	167	-3.58	3.7	0.02
17:51:59	3910	122	10.4	1	109	176	-3.77	18.7	0.01
17:52:04	3940	124	10.8	1	115	194	-3.23	21.3	0.01
17:52:09	3990	124	10.9	1	120	210	-1.93	17.6	0.02
17:52:14	4070	122	10.6	1	122	226	0.76	17.2	0
17:52:20	4160	121	10.6	1	123	240	-1.76	12.9	0
17:52:25	4240	118	10.4	1	125	252	-2.32	12.7	0.02
17:52:30	4310	118	10.3	1	126	260	-3.19	3.7	0.01
17:52:35	4370	119	10.1	1	127	260	-5.37	7.9	0.02
17:52:40	4400	122	10.7	1	132	271	-6.19	16.6	0.02
17:52:45	4410	126	10.9	1	137	282	-6.65	13.3	0.02
17:52:50	4440	128	11.1	1	139	290	-6.05	8.9	0
17:52:55	4460	128	10.9	1	141	293	-6.53	0.1	0.01
17:53:00	4470	131	11.4	1	144	293	-6.72	-5.9	0
17:53:05	4490	136	11.9	1	145	285	-5.76	-12.5	0.01
17:53:10	4540	134	11.8	1	144	276	-3.17	-3.8	0
17:53:16	4610	132	11.2	1	141	271	-5.45	4.2	0.01
17:53:21	4650	134	11.5	1	143	272	-7.16	2.7	0
17:53:26	4660	134	11.5	1	146	274	-8	5.3	0
17:53:31	4650	138	12.1	1	150	280	-6.83	2.6	0
17:53:36	4670	140	12.3	1	150	281	-5.98	5.2	0.01
17:53:41	4720	137	12.1	1	147	281	-3.5	-3.4	0
17:53:46	4790	135	11.4	1	144	279	-6.94	5.1	0
17:53:51	4820	135	11.5	1	145	280	-7.75	0.8	0
17:53:56	4820	138	11.7	1	148	280	-9.87	0.2	0.02
17:54:01	4770	142	12.4	1	153	282	-10.18	5	0.01
17:54:07	4730	148	13.2	1	158	286	-8.24	1.9	0
17:54:12	4730	148	13.2	1	158	286	-7.34	-1.9	0.01
17:54:17	4750	148	13.2	1	157	282	-8.48	-3	0.02
17:54:22	4790	147	12.8	1	155	278	-9.11	0.7	0
17:54:27	4820	145	12.8	1	154	276	-9.05	0.7	0.01
17:54:32	4830	144	12.6	1	154	273	-9.62	-7.3	0.01
17:54:37	4810	146	12.8	1	154	267	-10.52	-4.7	0
17:54:42	4780	149	13.3	1	157	266	-8.96	-1	0
17:54:47	4770	147	13	1	157	265	-9.13	0.2	0.01
17:54:52	4770	147	13.1	1	157	264	-8.98	0.9	0
17:54:57	4770	148	13.2	1	157	263	-9.3	-1	0
17:55:02	4760	147	12.8	1	157	261	-9.85	1.2	0.01
17:55:07	4740	151	13.4	1	159	263	-9.65	-1.7	0
17:55:12	4710	151	13.4	1	159	264	-10.22	0.4	0.01
17:55:17	4690	153	13.7	1	161	266	-9.87	0.1	0.01
17:55:23	4670	153	13.8	1	162	266	-10.26	-1.2	0
17:55:28	4660	154	13.8	1	163	262	-10.51	-3.6	0.01
17:55:33	4650	154	13.7	1	164	261	-10.19	1.3	0.01
17:55:38	4630	157	14.2	1	164	262	-9.76	0.5	0
17:55:43	4640	156	14	1	163	263	-10.35	-1.5	0.01

17:55:48	4650	155	13.8	1	162	259	-10.45	-1.2	0.01
17:55:53	4640	155	13.9	1	161	258	-9.72	2.2	0
17:55:58	4650	153	13.7	1	160	260	-10.74	-1.1	0.01
17:56:03	4650	153	13.7	1	160	260	-10.04	0.3	0.01
17:56:08	4650	153	13.6	1	160	260	-9.67	0	0
17:56:13	4660	151	13.4	1	159	262	-9.71	3.5	0.01
17:56:18	4660	149	13.2	1	159	262	-10.3	-1.7	0.01
17:56:24	4630	152	13.6	1	161	261	-10.86	2.7	0.01
17:56:29	4600	154	13.9	1	163	264	-9.73	-1.7	0.01
17:56:34	4590	155	14	1	163	263	-9.6	-1.9	0
17:56:39	4600	155	13.9	1	162	261	-9.9	0.7	0.01
17:56:44	4610	154	13.7	1	160	260	-9.7	2.5	0
17:56:49	4610	152	13.5	1	160	262	-10.97	1.7	0.01
17:56:54	4590	152	13.5	1	161	263	-11.02	-2.6	0
17:56:59	4550	154	13.8	1	163	264	-9.88	-2.9	0.02
17:57:04	4520	154	13.9	1	163	263	-10.03	0.4	0.01
17:57:09	4520	156	14.1	1	164	264	-9.4	-2.3	0.01
17:57:14	4540	153	13.7	1	162	262	-9.4	-1.1	0.01
17:57:20	4560	154	13.8	1	160	258	-9.58	-3.7	0
17:57:25	4580	151	13.4	1	158	254	-10.21	0.8	0.01
17:57:30	4580	149	13.3	1	157	256	-10.47	4.5	0.01
17:57:35	4570	153	13.8	1	159	261	-9.82	-3.1	0.01
17:57:40	4560	153	13.6	1	158	256	-9.52	-6.7	0.01
17:57:45	4560	152	13.6	1	157	252	-9.64	0.1	0
17:57:50	4560	150	13.3	1	157	254	-10.17	3.6	0
17:57:55	4540	153	13.6	1	158	258	-10.44	-2.6	0
17:58:00	4510	153	13.5	1	159	257	-10.46	-1.2	0.01
17:58:05	4470	155	14.1	1	161	260	-9.94	3.2	0.01
17:58:11	4460	154	13.9	1	161	262	-8.86	0.3	0
17:58:16	4470	151	13.4	1	160	260	-9.69	0.8	0.01
17:58:21	4470	151	13.5	1	160	260	-9.28	3.5	0
17:58:26	4480	150	13.4	1	160	262	-9.71	2.6	0.01
17:58:31	4480	150	13.5	1	160	265	-9.66	2.7	0.01
17:58:36	4480	151	13.5	1	160	266	-9.23	1.5	0
17:58:41	4480	150	13.3	1	160	267	-9.9	1.6	0
17:58:46	4480	150	13.3	1	160	267	-9.7	0.8	0
17:58:51	4470	149	13.3	1	161	269	-9.78	1.3	0
17:58:57	4450	152	13.7	1	162	273	-9.95	1.3	0.01
17:59:02	4440	151	13.5	1	162	270	-9.52	2.1	0.01
17:59:07	4440	153	13.7	1	162	273	-9.8	2.6	0.01
17:59:12	4430	153	13.8	1	162	275	-9.93	11.7	0.01
17:59:17	4430	152	13.7	1	162	283	-9.96	5.9	0
17:59:22	4430	151	13.5	1	163	286	-10.34	8	0.01
17:59:27	4400	154	13.9	1	165	294	-10.77	16.3	0
17:59:32	4370	154	14.2	1	166	308	-8.7	24.3	0.01
17:59:38	4370	153	14.2	1	164	329	-8.05	23.6	0
17:59:43	4370	153	14	1	160	344	-7.24	21.3	0.01

17:59:48	4370	154	14.1	1	155	2	-7.03	28	0.01
17:59:53	4360	152	14.1	1	150	22	-7.03	35.5	0.01
17:59:58	4330	152	14.4	1	142	52	-5.03	37.7	0.01
18:00:03	4340	151	14.2	1	134	78	-5.1	26.2	0
18:00:08	4370	150	13.5	1	129	91	-6.83	3.1	0.01
18:00:13	4380	150	13.4	1	129	91	-7.92	-1.5	0
18:00:18	4380	150	13.3	1	130	92	-9.52	-4.2	0.01
18:00:23	4370	153	13.7	1	132	89	-9.39	-2.4	0
18:00:28	4360	153	13.8	1	132	90	-9.59	2.4	0.01
18:00:33	4360	152	13.7	1	131	91	-9.59	-5.1	0
18:00:38	4370	151	13.4	1	131	88	-9.98	2.3	0.01
18:00:44	4370	151	13.4	1	130	92	-9.91	9.9	0
18:00:49	4350	151	13.6	1	129	101	-9.73	21.2	0.02
18:00:54	4330	149	13.5	1	129	115	-11.06	18.5	0
18:00:59	4300	154	14.1	1	131	129	-10.75	12.9	0
18:01:04	4290	153	14.9	2	131	132	-3.97	-38.9	0.02
18:01:09	4340	149	14.7	2	129	84	-7.09	-64.7	0.03
18:01:14	4210	157	16.8	2	149	21	-13.96	-62	0.01
18:01:19	4040	165	17.8	2	171	314	-2.83	-50.2	0.02
18:01:24	4100	158	15.3	1	162	264	1.42	-48.8	0.01
18:01:29	4190	148	14.4	2	144	220	0.7	-59.5	0.01
18:01:34	4190	147	14.5	2	130	168	-6.35	-59.5	0.01
18:01:39	4140	151	14.8	2	128	116	-8.54	-52.1	0.01
18:01:44	4110	151	13.4	1	134	79	-10.03	-15.7	0.01
18:01:49	4130	150	13.6	1	133	77	-7.86	12.3	0.01
18:01:55	4170	146	13	1	128	87	-10.24	12	0.02
18:02:00	4170	147	13.3	1	127	96	-10.56	3.3	0
18:02:05	4180	146	12.8	1	128	94	-9.83	-5.4	0.01
18:02:10	4180	147	13.1	1	128	94	-9.6	15.2	0.02
18:02:15	4170	151	14	1	127	108	-8.89	9	0.01
18:02:20	4190	149	13.6	1	125	110	-7.67	-10.3	0
18:02:25	4260	143	14.3	2	123	83	-1.87	-53.1	0.01
18:02:30	4280	143	14.2	2	134	26	-10.74	-65.9	0.01
18:02:35	4090	154	17.8	3	161	310	-6.66	-58.1	0.02
18:02:40	4030	156	16.6	2	160	250	0.74	-61.2	0.03
18:02:45	4040	150	16.8	2	138	179	-6.52	-67.2	0.02
18:02:50	3990	150	16.4	2	128	100	-6.52	-56.9	0.03
18:02:56	3990	148	13.3	1	136	59	-6.25	-5.4	0.01
18:03:01	4070	144	12.8	1	130	58	-4	11.5	0.02
18:03:06	4180	137	11.9	1	122	65	-6.45	14	0.03
18:03:11	4240	134	11.7	1	118	71	-9.2	12.9	0.02
18:03:16	4240	139	12.3	1	120	82	-11.47	10.7	0.01
18:03:21	4220	142	12.9	1	121	88	-10.27	5.5	0.01
18:03:26	4250	142	12.5	1	121	91	-9.17	2.5	0.01
18:03:31	4270	142	12.6	1	120	91	-8.72	2.8	0.01
18:03:36	4290	142	12.6	1	120	92	-8.59	3	0.01
18:03:42	4290	142	12.5	1	122	91	-8.93	1.1	0.01

18:03:47	4280	144	12.9	1	125	89	-8.38	-2.3	0
18:03:52	4280	146	13	1	126	84	-7.35	5.4	0.01
18:03:57	4300	145	12.9	1	124	90	-8.89	4.9	0.01
18:04:02	4300	144	12.8	1	124	92	-9.67	-3.5	0
18:04:07	4310	144	13	1	126	88	-7.67	-2.5	0
18:04:12	4350	144	12.7	1	125	88	-8.48	0.8	0
18:04:17	4380	142	12.6	1	124	88	-8.96	3	0
18:04:22	4390	144	12.9	1	125	88	-8.69	1.7	0
18:04:27	4410	146	13.1	1	125	89	-8.54	1	0
18:04:32	4440	144	12.8	1	124	90	-8.09	0.2	0.01
18:04:38	4480	142	12.3	1	123	89	-10.71	1.2	0.01
18:04:43	4450	148	13.1	1	126	88	-12.25	3.7	0
18:04:48	4390	152	13.9	1	130	91	-11.57	4.7	0.01
18:04:53	4350	155	14.1	1	132	91	-10.44	2	0.01
18:04:58	4320	157	14.2	1	133	92	-10.99	2.3	0
18:05:03	4270	160	14.4	1	135	93	-10.85	13.6	0.01
18:05:08	4220	161	14.7	1	137	103	-11.24	6.1	0
18:05:13	4170	163	14.8	1	138	105	-10.93	-5.5	0
18:05:18	4140	161	14.6	1	138	100	-10.72	-11.8	0.01
18:05:23	4140	161	15.2	1	137	87	-5.99	-36	0.02
18:05:28	4160	156	16	2	141	43	-3.5	-64.7	0.02
18:05:34	4010	161	20.2	3	164	309	-9.19	-76.3	0.04
18:05:39	3830	165	19.2	2	159	205	-1.06	-55.3	0.02
18:05:44	3920	157	16.4	2	134	142	-6.44	-77.4	0.05

CHT_1 (degF) NUMBER	CHT_2 (degF) NUMBER	CHT_3 (degF) NUMBER	CHT_4 (degF) NUMBER	EGT_1 (degF) NUMBER	EGT_2 (degF) NUMBER	EGT_3 (degF) NUMBER	EGT_4 (degF) NUMBER	FUEL_FLOW (gph) NUMBER	FUEL_PSI (psi) NUMBER
72	74	77	73	1020	980	1012	959	3	27
76	79	82	77	1038	997	1030	980	3	28
81	84	88	82	1052	1016	1053	1001	3	27
86	89	94	87	1065	1035	1060	1021	3	27
91	95	100	92	1077	1048	1068	1038	3	27
96	101	107	97	1087	1058	1078	1052	3	27
102	106	113	102	1098	1070	1086	1064	3	28
106	111	118	107	1107	1080	1092	1075	3	27
112	117	125	112	1119	1089	1097	1081	3	27
117	122	131	118	1125	1094	1104	1090	3	27
122	127	137	123	1127	1103	1108	1095	3	27
127	133	142	128	1136	1110	1114	1103	3	27
133	138	149	133	1137	1116	1118	1111	3	28
138	143	154	138	1139	1122	1125	1115	3	28
143	148	159	143	1142	1124	1129	1119	3	28
148	153	165	148	1147	1128	1136	1121	3	27
153	158	170	153	1144	1132	1141	1125	3	27
158	163	175	158	1149	1136	1143	1130	3	28
163	168	180	162	1152	1139	1149	1132	3	27
167	173	185	167	1155	1139	1153	1134	3	28
172	178	190	172	1160	1143	1158	1137	3	28
176	182	195	176	1160	1146	1165	1144	3	28
180	186	199	180	1161	1146	1171	1146	3	28
185	190	203	184	1166	1158	1176	1146	3	28
189	194	207	188	1202	1185	1206	1161	3	28
194	199	211	193	1201	1188	1216	1171	3	27
198	203	216	197	1182	1173	1208	1163	3	27
202	208	221	202	1177	1174	1201	1160	3	28
206	211	225	206	1180	1174	1205	1161	3	28
210	215	228	209	1183	1177	1208	1164	3	28
214	219	232	213	1198	1171	1196	1177	3	27
217	221	235	216	1179	1134	1149	1168	3	28
219	224	238	218	1169	1132	1144	1153	3	28
222	227	240	221	1175	1159	1173	1158	3	28
225	230	243	224	1176	1169	1188	1160	3	28
227	233	246	227	1180	1168	1188	1159	3	27
230	236	249	230	1185	1166	1179	1165	3	28

232	238	252	232	1190	1146	1154	1167	3	28
234	241	254	235	1157	1118	1116	1149	3	28
235	242	255	236	1111	1082	1078	1109	3	28
236	243	256	238	1108	1065	1064	1108	3	28
238	245	257	239	1174	1140	1147	1149	3	28
241	248	261	242	1321	1272	1304	1250	4	27
245	251	264	246	1432	1377	1413	1350	4	28
248	255	268	250	1464	1397	1458	1376	4	28
251	258	270	253	1339	1298	1359	1294	5	28
255	262	274	257	1286	1257	1301	1258	6	27
258	265	277	260	1231	1220	1258	1224	6	28
261	267	280	263	1140	1148	1172	1148	5	28
264	269	283	266	1120	1136	1147	1136	6	28
267	271	286	269	1107	1131	1128	1123	5	27
271	274	289	272	1162	1176	1175	1184	5	28
273	276	291	273	1171	1202	1194	1211	4	27
275	276	292	274	1162	1187	1191	1218	4	28
276	278	292	275	1157	1172	1192	1221	4	28
277	278	293	275	1160	1186	1190	1217	4	28
278	279	294	275	1160	1193	1188	1211	4	28
279	280	295	275	1157	1187	1194	1216	4	27
280	280	296	275	1158	1177	1191	1226	4	28
280	281	296	276	1155	1172	1196	1223	4	28
282	282	297	276	1156	1168	1194	1227	4	28
283	283	298	276	1155	1184	1196	1228	4	28
284	284	299	277	1160	1189	1197	1225	4	28
285	284	300	277	1162	1193	1192	1226	4	28
286	285	301	277	1160	1190	1191	1233	4	28
286	286	302	277	1162	1187	1195	1234	4	27
287	286	302	278	1162	1184	1195	1237	4	28
288	287	303	278	1163	1181	1197	1239	4	27
288	288	303	278	1165	1179	1198	1239	4	27
289	289	305	279	1157	1173	1197	1243	4	27
289	289	305	279	1153	1179	1196	1249	4	28
290	289	306	279	1155	1180	1196	1251	4	28
289	290	307	279	1160	1176	1198	1249	4	28
291	291	308	281	1168	1177	1203	1245	4	28
292	293	309	282	1172	1181	1202	1244	5	27
293	293	309	283	1166	1190	1197	1244	5	28
294	293	310	284	1162	1198	1193	1240	5	28
295	294	311	285	1167	1208	1189	1224	5	27
297	295	313	287	1214	1210	1219	1222	7	28
301	299	318	291	1313	1259	1277	1261	11	27
306	305	324	298	1349	1288	1300	1280	13	28
312	312	331	306	1361	1301	1309	1289	13	27
319	318	337	313	1364	1308	1311	1291	13	28
324	323	344	320	1363	1310	1312	1291	13	27

330	328	348	325	1363	1306	1310	1291	13	28
334	332	351	330	1368	1307	1319	1288	11	28
337	334	353	334	1370	1310	1322	1287	11	28
339	335	355	337	1338	1291	1307	1268	11	28
340	336	356	339	1313	1271	1291	1249	11	28
341	337	357	341	1296	1253	1279	1234	10	27
341	337	357	343	1284	1240	1267	1225	10	27
341	338	357	344	1279	1234	1260	1219	10	27
341	337	357	345	1276	1231	1258	1215	10	27
341	337	357	346	1274	1229	1254	1213	10	28
340	337	357	347	1274	1229	1253	1212	10	27
340	337	357	347	1272	1229	1253	1212	10	28
339	336	356	347	1267	1228	1253	1210	10	28
338	336	356	348	1266	1227	1252	1207	10	28
338	336	355	348	1267	1227	1251	1205	10	28
337	335	355	347	1266	1227	1251	1206	10	28
336	335	353	347	1266	1226	1249	1205	10	28
334	333	352	347	1261	1222	1245	1201	10	28
334	332	351	346	1260	1223	1242	1199	10	27
333	332	351	346	1259	1222	1243	1198	10	27
332	331	350	346	1260	1222	1242	1198	10	28
331	331	349	345	1261	1220	1242	1199	10	28
330	330	348	344	1259	1220	1240	1196	10	27
329	329	347	344	1253	1219	1235	1194	10	28
328	328	345	343	1251	1217	1236	1193	10	28
327	327	345	342	1251	1216	1236	1192	10	28
326	326	343	341	1253	1217	1236	1192	10	28
325	326	343	341	1257	1220	1238	1191	10	28
324	325	341	340	1256	1218	1239	1191	10	27
323	324	340	339	1254	1216	1238	1190	10	28
322	323	339	338	1253	1213	1236	1188	10	28
321	322	338	337	1251	1211	1234	1187	10	28
320	321	336	336	1249	1212	1234	1186	10	27
319	321	336	335	1252	1213	1234	1185	10	28
318	320	334	335	1253	1214	1234	1184	10	28
318	319	334	334	1253	1215	1235	1184	10	28
317	319	333	333	1253	1215	1232	1183	10	28
316	318	332	332	1252	1214	1231	1183	10	28
315	317	331	332	1250	1214	1230	1182	10	28
315	316	331	331	1251	1214	1232	1184	10	28
314	315	330	330	1251	1215	1234	1185	10	28
314	315	329	330	1252	1214	1234	1184	10	28
313	314	328	329	1252	1213	1234	1182	10	28
313	314	328	328	1250	1214	1233	1182	10	27
312	313	327	327	1248	1215	1234	1182	10	27
312	313	327	326	1250	1216	1235	1182	10	28
311	312	326	326	1251	1216	1234	1181	10	27

311	311	326	325	1252	1217	1231	1181	10	27
310	311	325	324	1249	1215	1231	1180	10	27
310	310	324	324	1250	1213	1232	1180	10	28
309	309	324	323	1251	1212	1231	1179	10	27
308	309	323	322	1253	1210	1231	1180	10	28
308	308	323	322	1252	1210	1231	1179	10	28
308	308	323	322	1252	1210	1232	1178	10	27
308	307	322	322	1249	1211	1234	1180	10	27
307	307	322	321	1251	1212	1233	1180	10	28
307	307	322	321	1251	1213	1233	1180	10	28
307	307	322	321	1253	1213	1233	1180	10	27
307	306	322	320	1253	1213	1233	1180	10	27
307	306	321	320	1252	1212	1232	1177	10	28
306	306	321	320	1249	1211	1231	1176	10	28
306	305	321	319	1251	1210	1232	1177	10	28
306	305	321	320	1251	1211	1233	1177	10	28
306	305	321	319	1254	1210	1233	1179	10	28
306	305	321	319	1252	1210	1233	1180	10	28
306	305	321	319	1251	1208	1233	1179	10	27
305	304	321	318	1248	1209	1231	1178	10	27
305	304	320	318	1248	1210	1229	1177	10	28
305	304	320	318	1252	1212	1230	1176	10	28
305	304	320	318	1253	1214	1232	1179	10	28
305	304	321	318	1252	1211	1232	1180	10	28
305	304	321	318	1248	1210	1233	1180	10	28
305	304	320	318	1248	1210	1234	1180	10	28
305	304	321	318	1253	1211	1235	1178	10	28
305	304	321	318	1252	1210	1235	1178	10	28
305	303	321	318	1253	1210	1236	1180	10	27
305	303	320	317	1251	1211	1234	1180	10	28
305	304	321	318	1250	1213	1231	1181	10	27
305	303	321	317	1250	1211	1230	1180	10	28
305	304	321	317	1251	1211	1229	1180	10	28
305	303	321	317	1250	1211	1229	1181	10	27
305	304	321	317	1250	1212	1230	1180	10	28
305	304	321	317	1248	1214	1231	1177	10	28
305	304	321	317	1248	1211	1233	1179	10	28
305	305	321	317	1249	1213	1233	1180	10	27
305	305	321	317	1250	1214	1231	1181	10	28
305	305	321	317	1251	1213	1232	1180	10	27
305	305	321	317	1251	1212	1233	1180	10	28
305	305	320	317	1253	1213	1233	1181	10	27
305	305	321	317	1251	1214	1233	1179	10	27
305	305	320	317	1251	1212	1234	1178	10	28
305	304	321	317	1252	1213	1236	1180	10	27
305	304	320	317	1252	1214	1235	1180	10	27
305	304	320	317	1251	1214	1236	1182	10	27

305	303	320	316	1248	1213	1234	1180	10	27
305	303	320	316	1248	1212	1232	1181	10	27
305	303	320	316	1250	1211	1233	1181	10	27
305	303	320	316	1249	1212	1231	1182	10	28
305	303	320	316	1250	1212	1233	1180	10	28
305	303	320	316	1253	1213	1234	1179	10	28
305	303	320	316	1255	1214	1235	1177	10	28
305	303	320	316	1254	1213	1236	1179	10	28
305	303	320	316	1254	1210	1236	1178	10	28
305	303	320	316	1257	1212	1237	1177	10	27
305	303	320	316	1254	1214	1235	1175	10	27
305	303	320	316	1254	1213	1234	1176	10	28
305	303	320	316	1252	1211	1233	1176	10	27
305	303	319	315	1253	1210	1234	1175	10	27
305	303	320	316	1253	1213	1234	1176	10	28
305	303	320	316	1254	1215	1237	1178	10	27
305	303	320	316	1252	1215	1234	1177	10	27
305	303	320	315	1255	1215	1234	1176	10	27
305	303	321	315	1258	1219	1239	1178	10	28
306	304	321	316	1256	1219	1238	1175	10	28
305	304	321	315	1251	1213	1234	1174	10	28
305	303	320	315	1253	1211	1233	1175	10	27
305	304	321	315	1253	1212	1234	1176	10	28
305	304	321	315	1253	1215	1237	1178	10	28
306	305	320	315	1255	1215	1237	1180	10	27
306	305	321	316	1251	1213	1235	1179	10	28
306	306	321	315	1251	1215	1233	1178	10	28
306	306	321	315	1253	1214	1234	1176	10	27
306	306	321	315	1252	1216	1232	1176	10	27
307	307	321	316	1253	1218	1234	1177	10	27
307	307	321	316	1252	1216	1232	1177	10	28
307	307	321	316	1251	1215	1230	1177	10	28
307	307	321	316	1249	1214	1229	1176	10	27
307	306	322	316	1252	1218	1233	1178	10	27
307	306	322	316	1253	1219	1237	1178	10	27
308	306	322	316	1252	1215	1236	1178	10	28
307	306	322	316	1253	1216	1239	1180	10	28
308	307	323	317	1251	1215	1238	1181	10	27
308	307	323	318	1253	1215	1237	1180	10	28
308	307	323	318	1253	1212	1232	1177	10	28
309	308	323	318	1251	1211	1230	1180	10	27
309	307	323	318	1252	1211	1231	1180	10	28
309	308	323	318	1253	1215	1234	1180	10	27
309	308	324	319	1253	1214	1231	1179	10	28
310	308	324	319	1251	1214	1230	1177	10	28
310	309	324	319	1250	1212	1230	1176	10	28
310	309	324	320	1251	1211	1231	1176	10	28

310	309	324	320	1251	1211	1230	1177	10	28
310	309	324	320	1251	1213	1231	1177	10	27
310	309	324	319	1250	1212	1230	1176	10	28
310	309	324	320	1253	1211	1229	1177	10	27
310	309	324	320	1252	1211	1230	1176	10	27
310	309	324	320	1250	1210	1230	1175	10	28
310	309	324	320	1247	1210	1230	1176	10	28
310	309	324	319	1248	1208	1229	1176	10	28
309	309	324	319	1251	1207	1229	1175	10	28
309	308	323	319	1248	1206	1227	1176	10	28
309	308	323	319	1244	1206	1225	1172	10	28
309	308	323	319	1247	1206	1225	1173	10	28
309	308	323	319	1248	1209	1229	1175	10	28
309	308	323	319	1247	1210	1229	1173	10	28
309	307	323	318	1247	1211	1231	1173	10	28
309	307	323	318	1249	1212	1232	1174	10	28
308	307	322	318	1250	1210	1231	1174	10	28
307	306	321	317	1252	1210	1232	1175	10	27
307	306	321	316	1248	1210	1231	1176	10	27
307	306	321	316	1249	1210	1232	1176	10	28
306	306	320	315	1247	1209	1229	1172	10	28
305	305	319	314	1248	1209	1231	1172	10	28
306	305	319	315	1253	1213	1235	1174	10	25
305	305	320	314	1250	1211	1234	1174	10	24

LATITUDE (deg)	LONGITUD (deg)	MANIFOLD (inHG)	OIL_PSI (psi)	OIL_TEMP (degF)	RPM (RPM)
NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
0	0	11	48	50	1180
0	0	11	48	50	1225
0	0	11	48	51	1228
0	0	11	50	51	1232
0	0	11	52	51	1243
0	0	11	52	51	1255
0	0	11	52	51	1266
0	0	11	52	51	1268
0	0	11	52	52	1269
0	0	11	52	52	1281
0	0	11	52	52	1286
0	0	11	52	52	1296
0	0	11	52	53	1297
0	0	11	52	53	1294
0	0	11	52	53	1302
0	0	11	52	54	1309
0	0	11	52	54	1313
0	0	11	52	54	1314
0	0	11	52	55	1317
0	0	11	52	55	1319
0	0	11	52	55	1322
0	0	11	52	55	1327
0	0	11	52	56	1336
0	0	11	52	56	1420
0	0	11	52	56	1512
0	0	11	52	57	1402
0	0	11	52	57	1405
0	0	11	52	58	1426
0	0	11	52	58	1425
0	0	11	52	58	1425
38.45627	-101.751	10	56	59	1168
38.45627	-101.751	11	56	59	1177
38.45644	-101.751	11	56	59	1342
38.45644	-101.751	11	56	60	1385
38.45678	-101.751	11	56	60	1389
38.45713	-101.751	11	56	61	1358
38.45747	-101.751	11	56	61	1260

38.45781	-101.751	11	56	61	1136
38.45816	-101.751	11	56	62	913
38.45833	-101.751	12	53	62	880
38.45833	-101.751	11	52	63	1065
38.45833	-101.751	12	56	63	1592
38.45833	-101.751	14	59	63	1795
38.45833	-101.751	14	60	64	1717
38.45833	-101.751	14	60	64	1764
38.45833	-101.751	14	60	65	1827
38.45833	-101.751	15	60	65	1627
38.45833	-101.751	16	60	66	1493
38.45833	-101.751	17	60	67	1515
38.45833	-101.751	18	60	67	1276
38.45833	-101.751	15	60	68	1633
38.45833	-101.751	13	60	68	1548
38.45833	-101.751	13	60	69	1329
38.45833	-101.751	13	60	70	1331
38.45833	-101.751	13	60	70	1330
38.45833	-101.751	13	60	71	1321
38.45833	-101.751	13	60	71	1324
38.45833	-101.751	13	60	72	1324
38.45833	-101.751	13	60	73	1336
38.45833	-101.751	13	60	73	1337
38.45833	-101.751	13	60	74	1342
38.45833	-101.751	14	60	75	1330
38.45833	-101.751	14	60	75	1328
38.45833	-101.751	13	60	76	1336
38.45833	-101.751	13	60	77	1347
38.45833	-101.751	13	60	77	1343
38.45833	-101.751	13	60	78	1352
38.45833	-101.751	13	60	78	1349
38.45833	-101.751	13	60	79	1350
38.45833	-101.751	13	60	79	1415
38.45833	-101.751	13	60	80	1415
38.45833	-101.751	13	60	80	1408
38.45833	-101.751	13	60	81	1402
38.45833	-101.751	13	60	82	1392
38.45833	-101.75	13	60	82	1400
38.45833	-101.75	13	60	83	1414
38.45816	-101.75	13	60	84	1456
38.45798	-101.75	15	60	84	1829
38.45747	-101.75	19	65	85	2412
38.45661	-101.75	24	65	86	2678
38.45524	-101.75	26	65	87	2670
38.45352	-101.75	26	65	87	2676
38.45146	-101.75	26	65	88	2669
38.44923	-101.75	26	65	89	2677

38.44683	-101.75	24	66	90	2639
38.4446	-101.75	22	65	90	2671
38.44202	-101.75	22	66	91	2545
38.43945	-101.751	23	65	92	2387
38.43721	-101.753	23	65	93	2340
38.4355	-101.756	23	65	94	2283
38.43412	-101.759	23	65	95	2284
38.43344	-101.763	23	65	96	2275
38.43309	-101.767	23	65	97	2281
38.43309	-101.77	23	65	98	2281
38.43327	-101.774	23	65	99	2293
38.43395	-101.778	23	65	100	2295
38.43515	-101.782	23	66	101	2290
38.43653	-101.785	23	65	102	2287
38.4379	-101.789	23	65	103	2293
38.43927	-101.793	23	66	104	2293
38.44013	-101.797	23	66	105	2277
38.44065	-101.802	23	65	106	2278
38.44116	-101.806	23	65	107	2288
38.44185	-101.81	23	65	107	2288
38.44254	-101.815	23	65	108	2290
38.44339	-101.819	23	65	109	2285
38.44442	-101.823	22	65	110	2276
38.44545	-101.827	22	65	110	2278
38.44648	-101.831	22	65	111	2281
38.44751	-101.836	22	66	112	2292
38.44837	-101.84	22	65	112	2291
38.44975	-101.844	22	65	113	2290
38.45112	-101.849	23	66	114	2286
38.45232	-101.853	23	65	114	2286
38.45318	-101.858	22	65	115	2281
38.45421	-101.862	22	65	115	2276
38.45507	-101.867	22	66	116	2273
38.45575	-101.871	22	65	116	2287
38.4561	-101.876	22	65	117	2296
38.45644	-101.88	22	65	118	2279
38.45661	-101.885	22	65	118	2285
38.45695	-101.889	22	65	119	2290
38.45713	-101.894	22	66	119	2282
38.4573	-101.899	22	66	120	2292
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38.45781	-101.913	23	65	121	2284
38.45798	-101.918	23	65	122	2287
38.45798	-101.923	23	65	122	2292
38.45816	-101.928	23	65	122	2287
38.45816	-101.932	23	66	123	2284

38.45833	-101.938	23	65	123	2282
38.45833	-101.942	23	66	123	2286
38.4585	-101.947	23	66	123	2277
38.4585	-101.952	23	66	124	2284
38.4585	-101.956	23	65	124	2280
38.45867	-101.961	23	66	124	2272
38.45884	-101.966	23	65	125	2271
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38.45919	-101.976	23	65	125	2293
38.45953	-101.981	23	65	125	2288
38.45953	-101.985	23	65	126	2287
38.4597	-101.99	23	66	126	2281
38.46004	-101.995	23	66	126	2277
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38.46056	-102.004	23	65	127	2285
38.46073	-102.009	23	65	127	2283
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38.46107	-102.019	23	65	127	2275
38.46125	-102.024	23	65	128	2283
38.46125	-102.029	23	65	128	2274
38.46125	-102.034	23	65	128	2271
38.46125	-102.038	23	65	128	2290
38.46125	-102.043	23	66	128	2280
38.46107	-102.048	23	65	129	2278
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38.46073	-102.057	23	65	129	2288
38.46073	-102.061	23	65	129	2284
38.46056	-102.066	23	65	129	2291
38.46073	-102.072	23	65	129	2277
38.46073	-102.076	23	65	129	2271
38.4609	-102.081	23	65	130	2273
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38.46142	-102.09	23	65	130	2278
38.46176	-102.095	23	65	130	2280
38.46228	-102.1	23	65	131	2278
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38.46331	-102.109	23	66	131	2273
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38.46468	-102.119	23	65	131	2276
38.46537	-102.124	23	66	132	2278
38.46622	-102.129	23	65	132	2285
38.46743	-102.133	23	66	132	2275
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38.4767	-102.149	23	66	133	2274
38.47996	-102.15	23	66	133	2278

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38.48717	-102.15	23	66	133	2271
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38.49077	-102.143	23	65	133	2275
38.49077	-102.139	23	65	134	2271
38.49043	-102.135	23	65	134	2270
38.49026	-102.131	23	65	134	2273
38.49009	-102.128	23	65	134	2286
38.49009	-102.124	23	65	134	2280
38.49009	-102.12	23	65	134	2276
38.49009	-102.116	23	66	134	2270
38.49026	-102.112	23	65	135	2270
38.48991	-102.108	23	66	135	2271
38.48888	-102.104	23	65	135	2264
38.48717	-102.101	23	65	135	2284
38.48494	-102.099	23	65	135	2277
38.48408	-102.095	23	66	135	2267
38.48614	-102.092	23	66	135	2294
38.48957	-102.094	23	65	136	2287
38.49077	-102.098	23	66	136	2255
38.4894	-102.102	23	65	136	2260
38.48648	-102.103	23	65	136	2265
38.48425	-102.101	23	66	136	2280
38.48442	-102.097	23	66	136	2268
38.48528	-102.094	23	65	136	2269
38.48597	-102.089	23	66	136	2261
38.48614	-102.086	23	66	136	2271
38.48597	-102.082	23	65	136	2267
38.48597	-102.078	23	66	136	2269
38.48528	-102.074	23	65	137	2280
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38.48579	-102.065	23	66	137	2271
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38.48991	-102.07	23	65	137	2270
38.48751	-102.073	23	65	137	2262
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38.48648	-102.067	23	65	137	2261
38.48854	-102.064	23	65	138	2253
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38.49129	-102.058	23	65	138	2254
38.49215	-102.054	23	66	138	2276
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38.49283	-102.044	23	66	138	2269
38.49283	-102.04	23	66	138	2270
38.49266	-102.036	23	65	138	2269

38.49266	-102.032	23	66	139	2276
38.49283	-102.029	23	65	139	2273
38.49283	-102.025	23	65	139	2266
38.49283	-102.021	23	65	139	2263
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38.49318	-102.007	23	65	139	2270
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