NASA TECHNICAL MEMORANDUM

NASA TM X-73337

COMPENDIUM OF METEOROLOGICAL DATA FOR THE HELIOS A LAUNCH IN DECEMBER 1974

By J. Briscoe Stephens, S. I. Adelfang, and A. I. Goldford
Space Sciences Laboratory

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16. ABSTRACT

All the meteorological data for the 19-hour period prior to the Helios A launch from Kennedy Space Center at 0211 EST on December 10, 1974, are archived in this report. These data were collected in support of the NASA rocket exhaust effluent prediction and monitoring program. This is a rather unique data set in that six soundings were made during the 11-hour period preceding the launch, providing high temporal resolution. All supporting data, such as synoptic charts and wind tower data, are also included. This is the fourth in a series of seven data reports.

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TECHNICAL MEMORANDUM X-73337

COMPENDIUM OF METEOROLOGICAL DATA FOR THE HELIOS A LAUNCH IN DECEMBER 1974

I. INTRODUCTION

This report is a compendium of all the meteorological data collected as a function of the joint Marshall Space Flight Center (MSFC)/Langley Research Center (LaRC)/Kennedy Space Center (KSC) rocket exhaust effluent prediction and monitoring program for the Helios A launch. The Helios A was a Titan III E launch from pad 41 at Kennedy Space Center at 0211 EST on December 10, 1974. The data presented in this compendium were collected largely to support MSFC diffusion predictions for the deployment of LaRC/KSC monitoring sites. The joint solid rocket motor exhaust prediction (MSFC) and measurement (LaRC and KSC) program evolved in 1972 utilizing the Titan and Delta launches as a source for empirical information that can be employed to more accurately predict the environmental effects of planned Space Shuttle operations.

These data are archived both as an aid in postlaunch analysis and because they represent a unique set of atmospheric soundings with high temporal resolution. Included in the report are the synoptic charts, surface observations, rawinsonde, windsonde and Jimsphere soundings, wind tower measurements, and satellite cloud imagery during this period. No attempt is made to analyze any of the data presented in this document.

II. DATA

The data are listed in Appendices A through G; page numbers for specific data are given in the Table of Contents. The dates, times, and sources of the data are listed in Table 1.

The synoptic charts are from the series published weekly by the National Oceanographic and Atmospheric Administration (NOAA). The surface data are from the Cape Canaveral Air Force Station (location shown as KSC meteorological station in Figure 1).

TABLE 1. METEOROLOGICAL DATA SUMMARY FOR HELIOS A LAUNCH ON 10 DECEMBER 1974 AT 0211 EST (0711Z)

Data Type	Date (Dec 1974)	Time		Source
		EST	Relative[a]	
Synoptic Charts[b]	9	0700	T-19 hr, 11 min	NOAA
	10	0700	T+ 4 hr, 49 min	NOAA
	11	0700	T+28 hr, 49 min	NOAA
Surface Observations[c]	10	0057	T- 1 hr, 14 min	USAF
		to 2358	to T+21 hr, 47 min	USAF
Rawinsonde	9	2111	T- 5 hr	USAF
	9	2341	T- 2 hr, 29 min	USAF
	10	0131	T- 40 min	USAF
	10	0615	T+ 4 hr, 4 min	USAF
Windsonde	9	1941	T- 6 hr, 30 min	USAF
Jimsphere	9	1511	T-16 hr	USAF
	9	2356	T- 2 hr, 15 min	USAF
	10	0225	T+ 14 min	USAF
Tower Data[c]	9, 10	1900 (9 Dec)	T- 6 hr, 11 min	USAF
		to 1830 (10 Dec)	to T-15 hr, 19 min	USAF
Satellite Imagery (IR)	8	2020	T-29 hr, 51 min	NOAA
	9	2200	T- 4 hr, 11 min	NOAA
	10	0950	T+ 7 hr, 39 min	NOAA

[a]Relative to launch time; for example, 0213 EST = T+2 min.

[b]Charts for surface and 500 mb; also included are precipitation and maximum and minimum temperatures for the preceding 24-hour period.

[c]Location of the base station for upper air and surface observations and towers is illustrated in Figure 1.

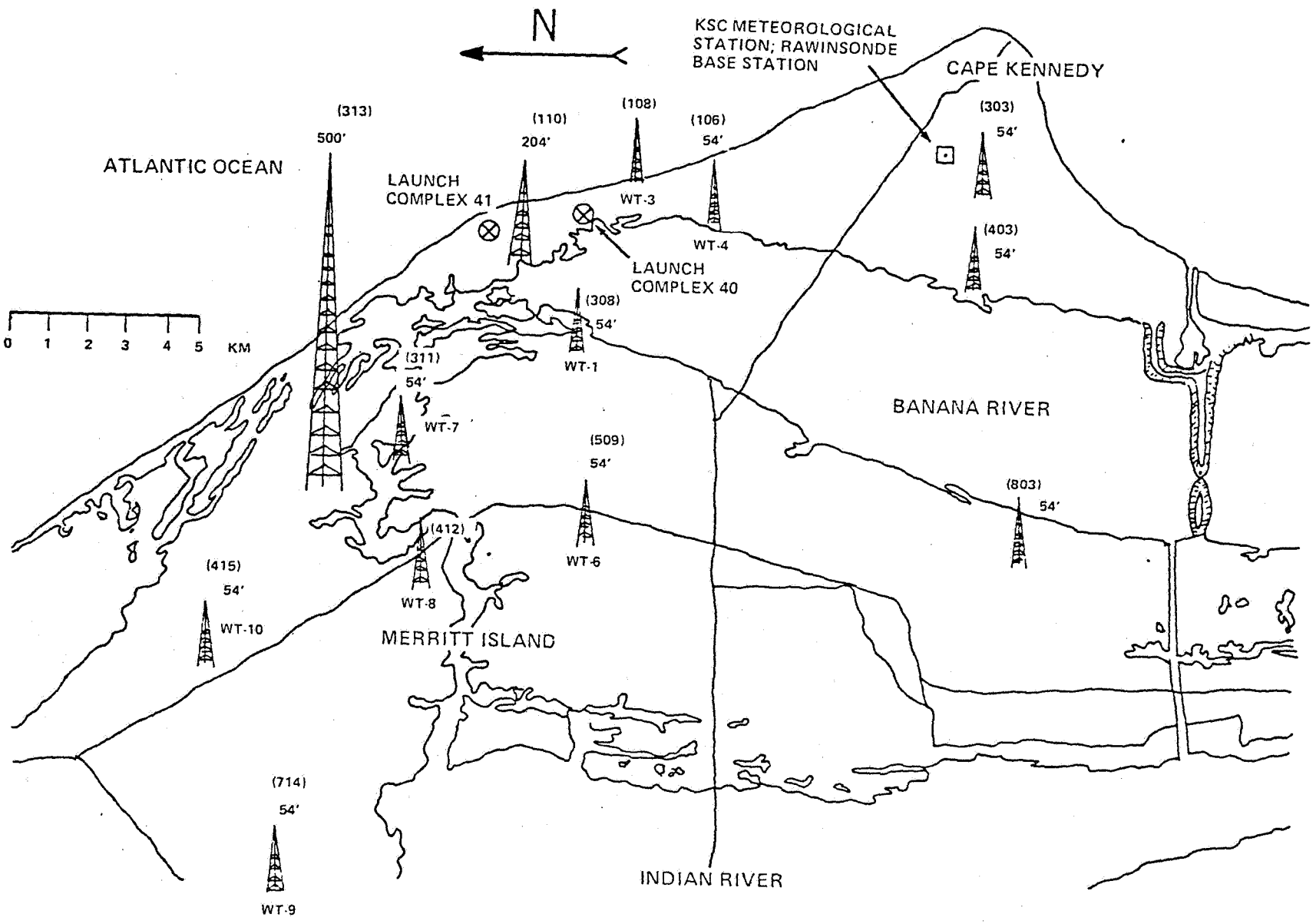

Figure 1. Location of meteorological towers and KSC meteorological station.

The rawinsonde runs were made with an AMQ-9 radiosonde (Fig. 2) using the GMD-4 rather than the NOAA J005B radiosonde system. The temperature and humidity sensor data are transmitted ten times per minute in the AMQ-9 by a clock-actuated switch rather than the aneroid barometer switch used in the NOAA radiosonde. Both systems measure azimuth and elevation with the directional receiver in the GMD. A transponder in the AMQ-9 is used to obtain the slant range to the radiosonde, enabling the calculation of altitude. The pressure is then calculated according to the hypsometric equation. The equations used in the computer program to calculate various thermodynamic quantities from the basic altitude, temperature, and relative humidity data are given in Appendix H.

The windsonde measures Eulerian[1] wind direction and speed as a function of altitude and is similar to the rawinsonde (AMQ-9) except that it does not have temperature and humidity sensors.

The Jimsphere wind sensor (Fig. 3) is a silvered spherical 2-meter diameter superpressure balloon with large irregularly spaced external roughness elements. The roughness elements effectively decrease random vortex shedding, or aerodynamic noise, associated with a smooth balloon operating in a supercritical Reynolds number regime. Thus, the Jimsphere balloon follows small-scale wind motions with high accuracy. The Eulerian wind profile obtained by precision tracking of a Jimsphere balloon has resolution of less than 100 meters.

Because it is envisioned that use of the rawinsonde, windsonde, and Jimsphere data will be restricted to studies of the stabilized Space Shuttle rocket booster cloud, an altitude limit of 6.8 km (20 000 ft) was chosen; all data beyond that altitude are not included in this report. The excluded data are archived at MSFC and are available.

The data contained in this report cover a time period that is sufficient for most anticipated meteorological analyses. The chronology of the data relative to the time of launch is given in Figure 4. In most studies data within 1.5 hours of launch time are sufficient. To facilitate retrieval of these data, an index is provided in Table 2 which gives the page number of data obtained within 1.5 hours of launch. It is understood that for dynamic situations, such as the onset of a sea breeze or the passage of a front within 1.5 hours of launch, the selection of data would have to be narrowed to a more appropriate period.

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[1]For practical applications, the rawinsonde, windsonde, and Jimsphere data are treated as Eulerian.

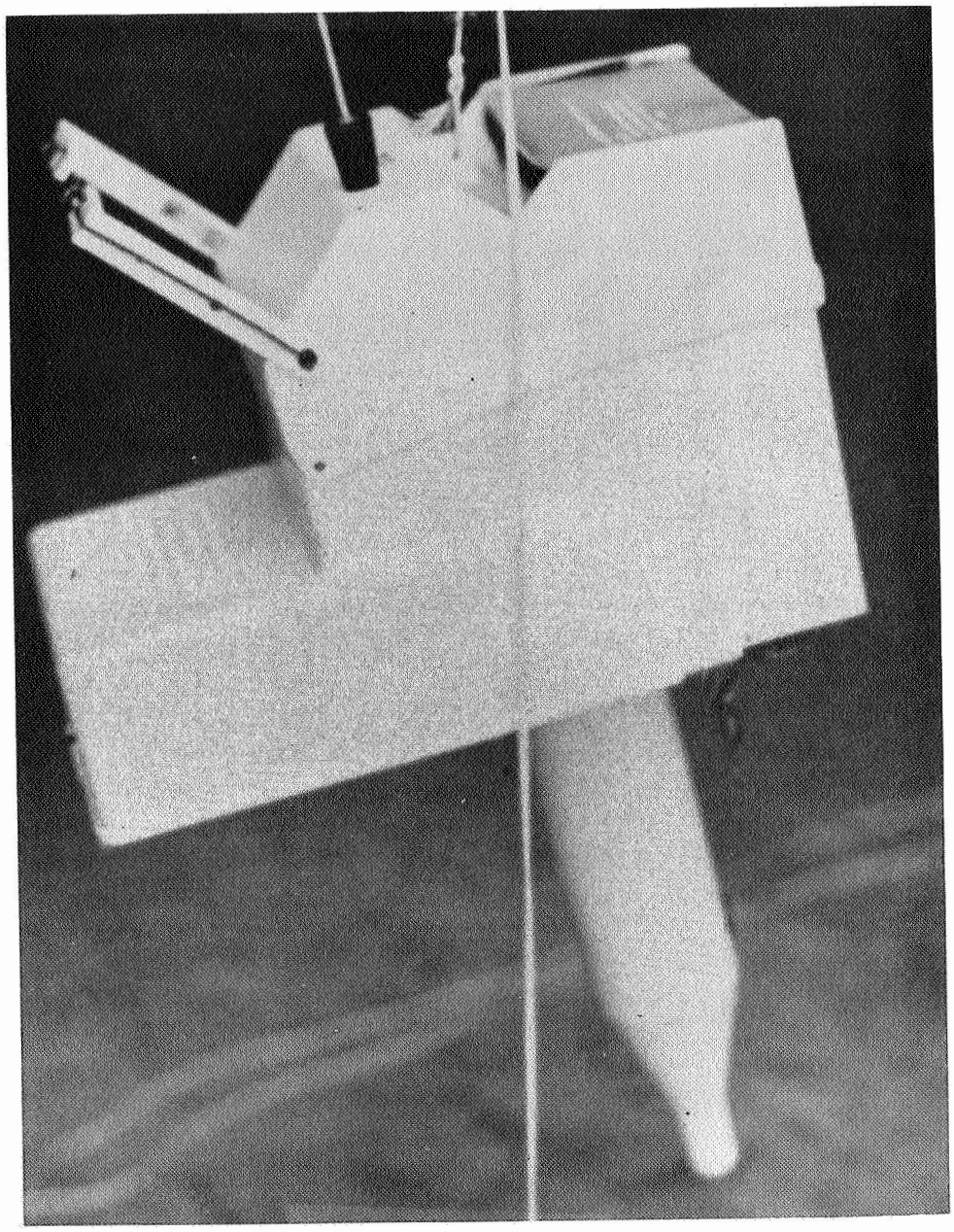


Figure 2. AMQ-9 radiosonde.

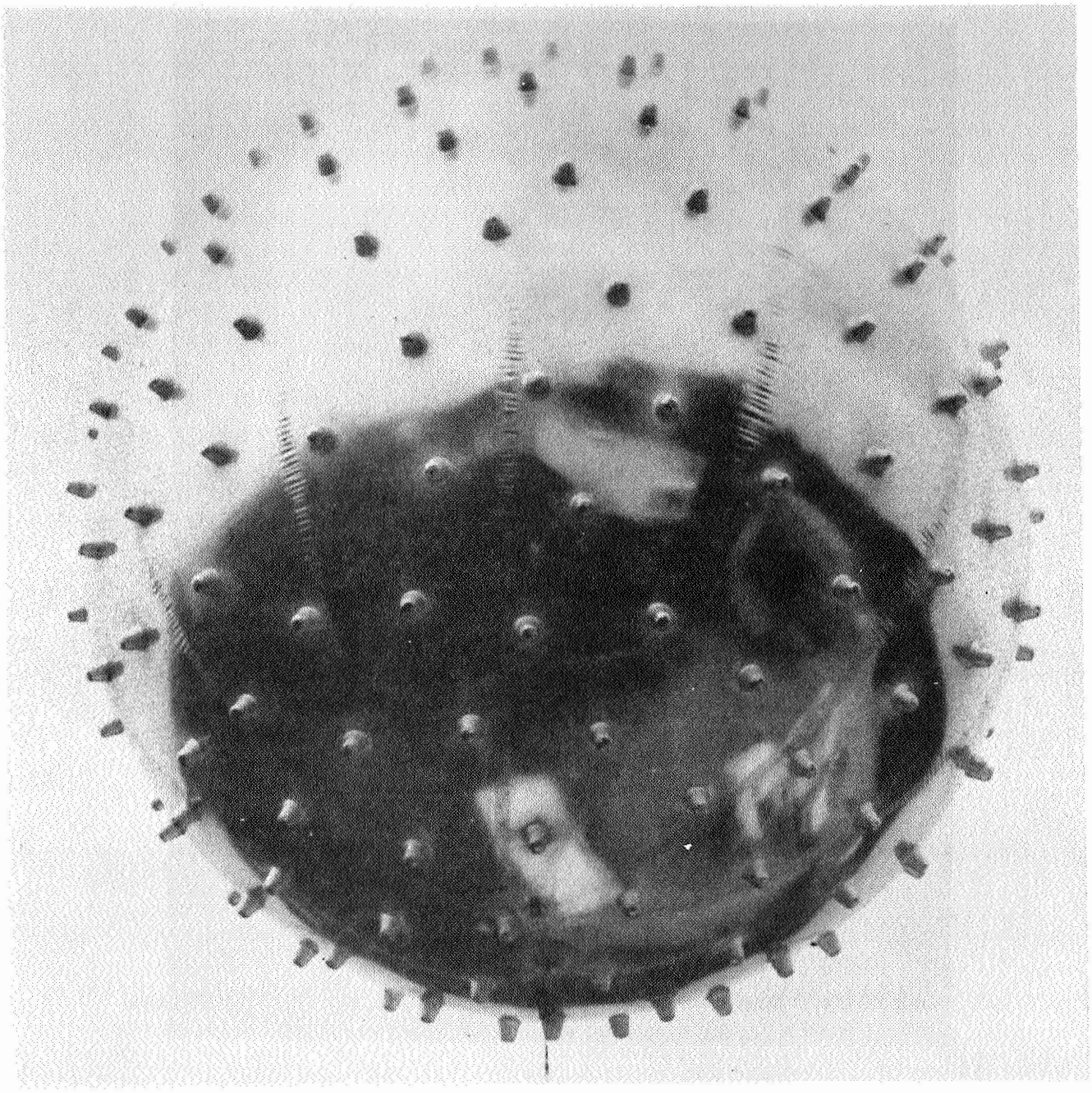


Figure 3. Jimsphere wind sensor.

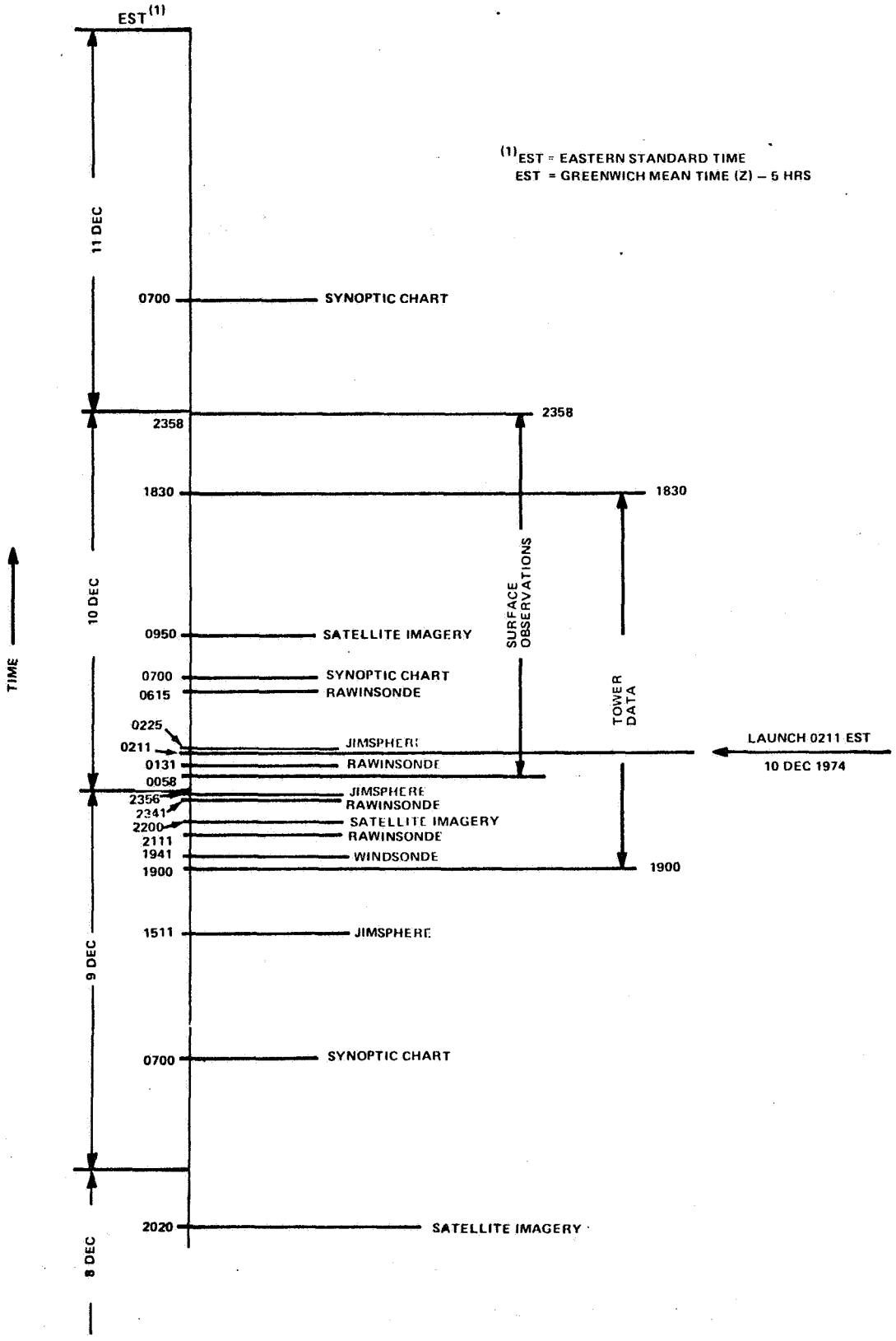


Figure 4. Data chronology.

TABLE 2. METEOROLOGICAL DATA OBTAINED WITHIN 1.5 HOURS OF T-0 (0211 EST, 10 DECEMBER 1974)

TIME	DATA TYPE		PAGE
T-1 hr, 14 min (0057 EST)	Surface Observation		16
T-1 hr, 11 min (0100 EST)	Tower[a] Data		29
T-1 hr, 1 min (0110 EST)		Tower[b]	29
T- 40 min (0131 EST)	Rawinsonde		20
T- 13 min (0158 EST)	Surface Observation		16
T-0 (0211 EST)	Surface Observation		16
T+ 14 min (0225 EST)	Jimsphere		28
T+ 34 min (0245 EST)			29
T+ 44 min (0255 EST)	Surface Observation		16
T+ 49 min (0300 EST)	Tower[a] Data		29
T+1 hr, 19 min (0330 EST)	Tower[a] Data		29

[a]Towers 106, 108, 110, 303, 311, 313, 403, 412, 415, 509

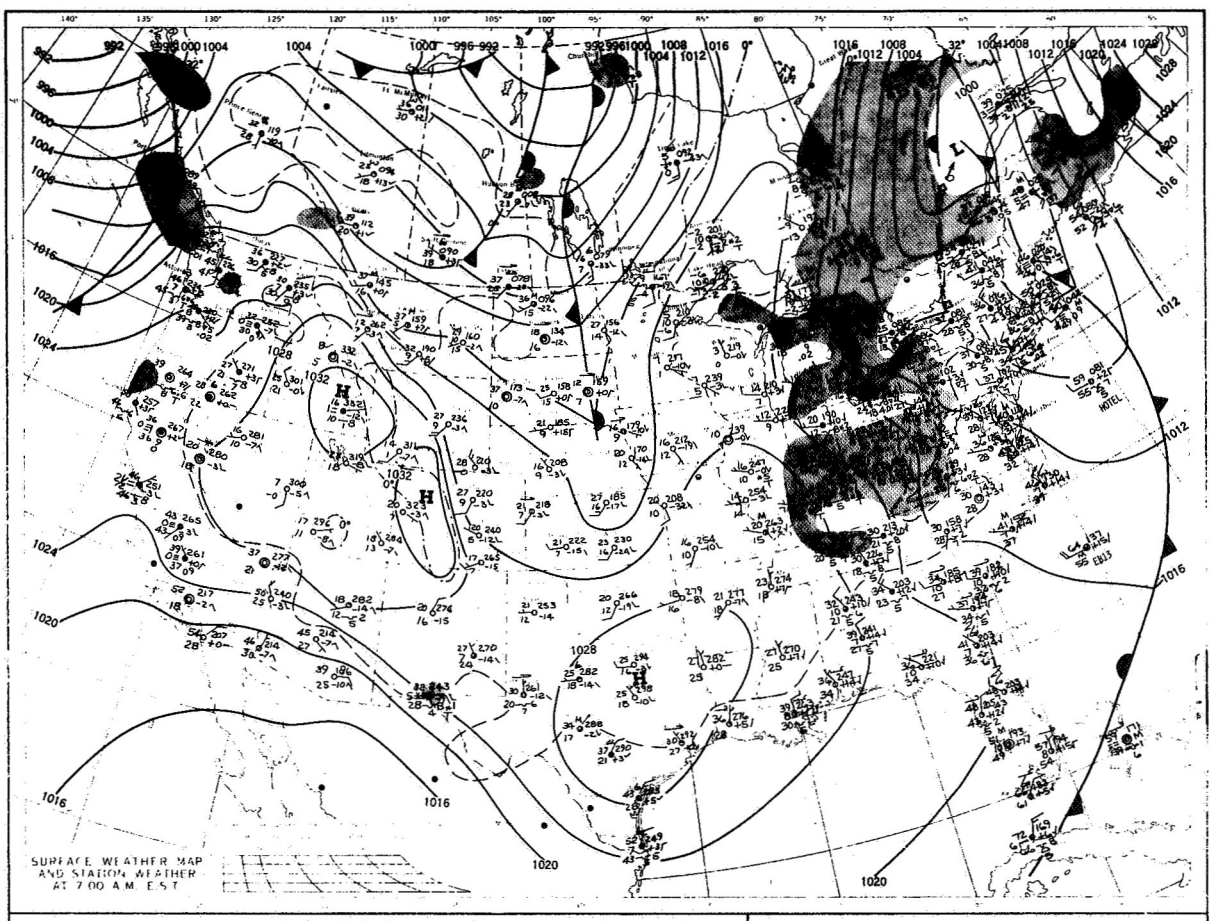
[b]Tower data at 5-min intervals during the indicated period

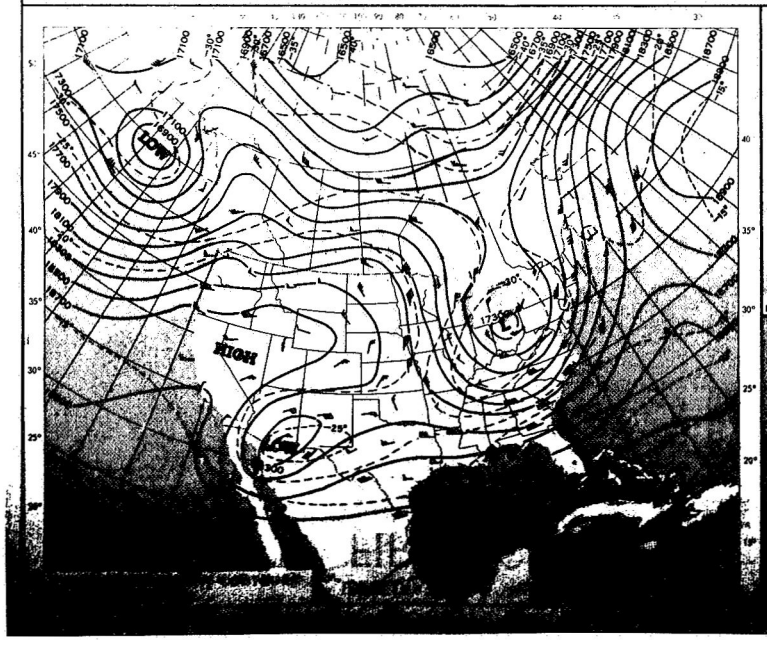
III. LAUNCH CONDITIONS

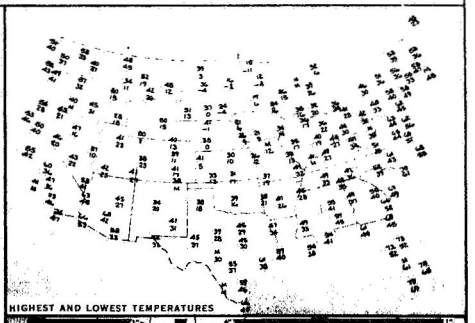
The KSC meteorological station reported a clear sky with visibility of 10 miles at T-0; the surface wind was 300 at 4 knots. At T 4 minutes, the wind at the 62.2-m (204-ft) level of tower 110 in the vicinity of launch complex 41 was 315 at 15 knots. At T 40 minutes, radiosonde data at 1.53 km (5029 ft) near the observed altitude of exhaust cloud stabilization (1.55 km) indicated a wind from 314 at 25 knots.

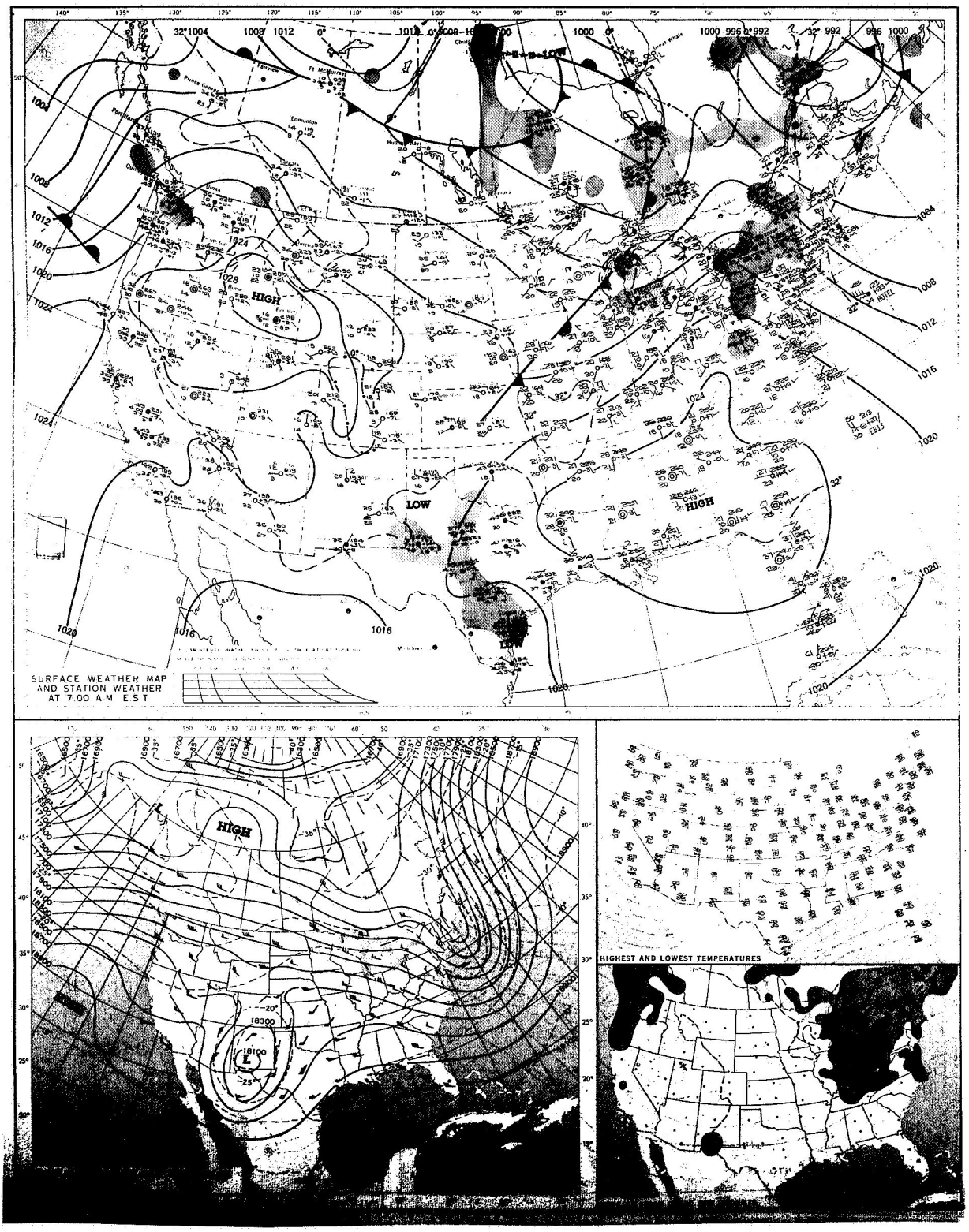
APPENDIX A

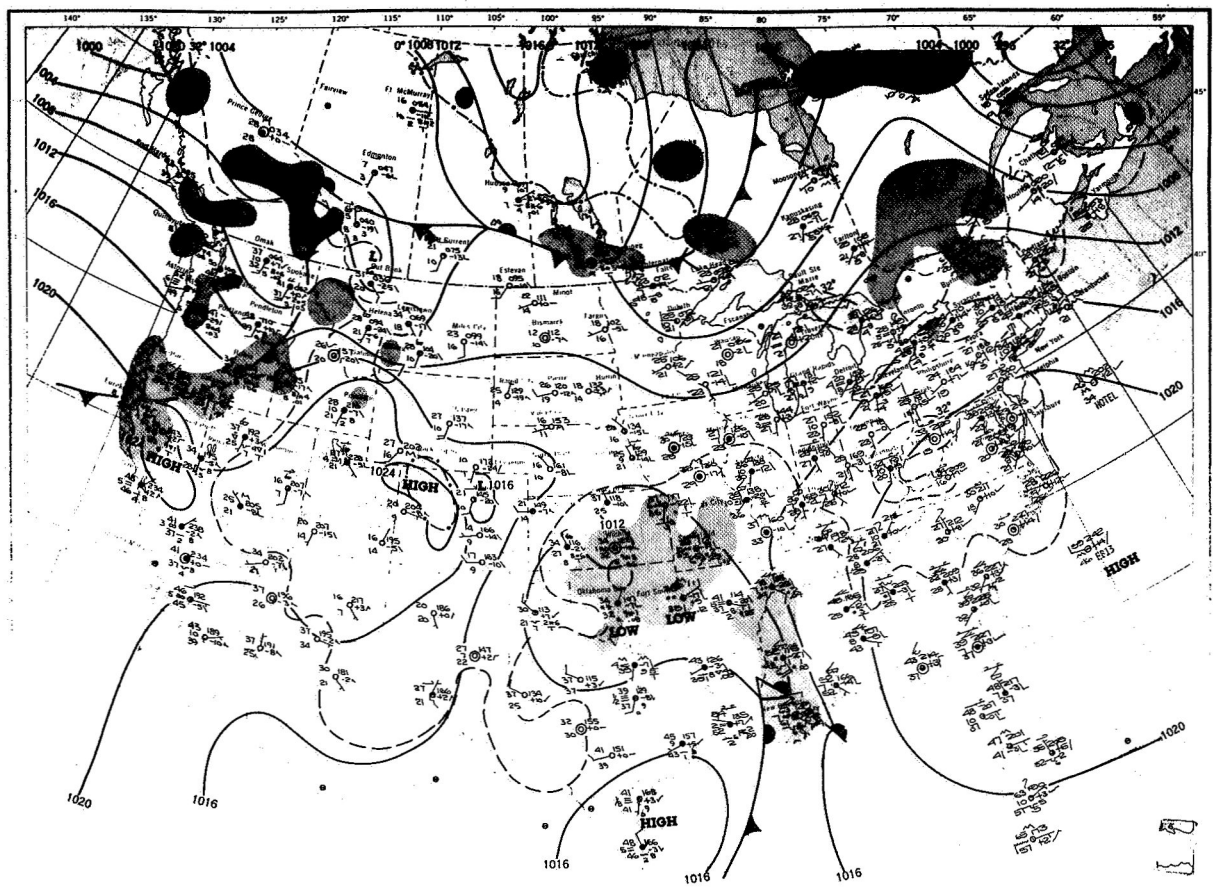
SYNOPTIC CHARTS

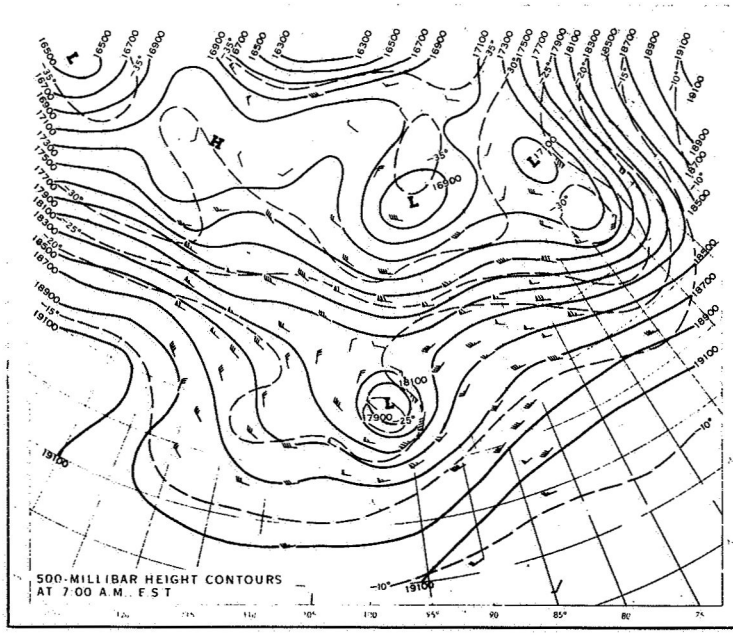

SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. EST

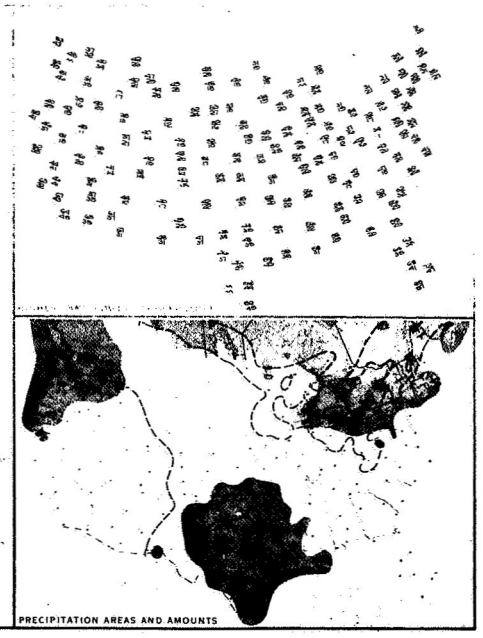

LOW
HIGH


HIGHEST AND LOWEST TEMPERATURES


SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M. E.S.T.
HIGH
LOW
HIGH
LOW
HIGH
HIGHEST AND LOWEST TEMPERATURES


HIGH
LOW
HIGH
HIGH
1020
1016
1012


500-MILLIBAR HEIGHT CONTOURS
AT 7:00 A.M. EST


PRECIPITATION AREAS AND AMOUNTS

APPENDIX B

SURFACE OBSERVATIONS

FEDERAL METEOROLOGICAL FORM 1-10 SURFACE WEATHER OBSERVATIONS
(ABRIDGED FORM FOR USE AT AWS STATIONS)

LATITUDE 28°29'N | LONGITUDE 80°33'W | STATION ELEVATION (Hp) 20 Feet (MSL) | TIME CONVERSION (LST to GMT) + 5 Hrs − Hrs | MAG TO TRUE + 0 Deg − 0 Deg | DAY 10 | MONTH DEC | YEAR 1974 | STATION AND STATE OR COUNTRY CAPE CANAVERAL AFS, FLA

TYPE (1)	TIME (LST) (2)	SKY CONDITION (3)	PVLG VSBY (miles) (4)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRES (mb) (6)	TEMP (°F) (7)	DEW POINT (°F) (8)	WIND TRUE DRCTN (9)	WIND SPEED (knots) (10)	WIND CHARACTER (11)	ALSTG (inches) (12)	REMARKS AND SUPPLEMENTARY CODED DATA (All times GMT. DESIRED ORDER OF ENTRY RVR or RVV, SPC based obsc phenomena, wind shifts, pilot and radar reports of bases and tops, remarks elaborating on preceding coded data, 3- and 6-hourly additive data, radiosonde data, runway conditions, weather modification.) (13)	STATION PRESSURE (inches) (17)	TOTAL SKY COVER (23)	OBS INIT (18)
S	0057	240 (1)	10		234	46	37	32	06		022	000 1001	30.200	2	NF
L	0111											* PRESS. 1022.6 / D.B. 46.3 / W.B. 41.8			NF
S	0158	240- (1)	10		234	46	35	31	05		022		30.200	2	NF
S	0211	(1)	10		230	45	36	30	04		021	* PRESS. 1022.4 / D.B. 45.2°F / W.B. 41.1°F	30.190	0	DS
S	0255	(1)	10		230	45	35	32	05		021		30.190	0	DS
S	0357	(1)	10		234	45	36	31	06		022	502	30.195	0	DS
S	0458	(1)	10		234	45	38	31	05		022		30.200	0	DS
S	0557	(1)	10		237	43	36	31	05		023		30.210	0	DS
S	0658	250 (1)	10		240	43	36	32	05		024	308 1001 RADAT 36099	30.220	1	DS
R	0756	(1)	10		244	45	37	32	06		025		30.230	0	GL
R	0855	260 (1)	10		251	52	40	32	10		027	RADAT 20117	30.250	1	WT
R	0955	260 (1)	10		254	56	45	34	10		028	114 1101	30.260	1	WT
R	1056	260 (1)	10		254	57	45	32	12		028		30.260	2	WT
R	1155	260 (1)	10		247	59	44	33	08		026		30.240	3	WT
R	1255	260 (1)	10		237	60	43	01	09	G16	023	817 1006	30.210	3	WT
R	1355	260-(1)	10		234	59	43	36	08		022		30.200	7	WT
R	1456	260-(1)	10		230	59	42	36	08		021		30.190	9	OXI
R	1556	260-(1)	10		230	57	41	34	06		021	607 1001	30.190	10	OXI
R	1655	260-(1)	10		227	56	42	33	02		020		30.180	9	OXI
R	1755	260-(1)	10		227	50	42	32	02		020		30.180	6	OXI
R	1856	260 (1)	10		227	43	39	31	04		020	603 1001	30.180	3	NF
R	1958	(1)	10		230	40	38	32	03		021		30.190	0	NF
R	2057	(1)	10		234	41	39	31	03		022		30.200	0	NF
R	2158	(1)	10		237	43	40	31	04		023	210	30.210	0	NF
R	2257	(1)	10		237	46	42	30	04		023		30.210	0	NF
R	2358	(1)	10		230	44	40	31	03		021		30.190	0	NF

SYNOPTIC DATA

TIME (LST) (1)	NO (2)	PRECIP (inches) (3)	SNOW FALL (3)	SNOW DEPTH (3)
0157		0	0	0
0253	1	0	0	0
0654	1	0	0	0
1254	1	0	0	0
1854	1	0	0	0
2358		0	0	0

STATION PRESSURE COMPUTATION

TIME (LST) (80)					
ATT THERM (80)					
CORRTD BAR (81)					
TOTAL CORR (82)					
STA PRESS (83)					
BAROGRAPH (84)					
BAROMETER (85)					

SUMMARY OF THE DAY

PRECIP (88)	SNOW FALL (89)	SNOW DEPTH (inches) (70)
0	0	0

PEAK WIND

SPEED (knots) (70)	DRCTN (true) (71)	TIME (LST) (72)
16	01	1255

ACTIVE RWY AND EQUIP CHANGE

TIME (LST)	RWY NO.	TIME (LST)	RWY NO.

REMARKS, NOTES, AND MISCELLANEOUS PHENOMENA (90)

*ETR TEQ.

APPENDIX C

RAWINSONDE DATA

TEST NBR 05190 0 MINUS 40
RAWINSONDE RUN AN/GMQ-4
CAPE CANAVERAL AFS, FLORIDA
0211Z 10 DEC 1974
ASCENT NBR 0757

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	RH PCT	AB HUM G/M3	DENSITY G/M3	I/R N	VS KTS	SHEAR /SEC	SHEAR DEG
16	310	4	8.1	5.0	1022.00	81	6.73	1261.62	323	653	0	0
1000	334	17	10.3	-0.8	985.90	46	4.40	1209.25	297	656	.023	341
2000	340	20	8.2	-6.5	950.33	37	3.08	1174.89	281	653	.005	19
3000	343	24	7.8	-16.7	915.88	16	1.31	1134.95	261	653	.008	351
4000	336	26	7.5	-22.9	882.64	9	.76	1095.24	249	653	.006	286
5000	328	27	6.6	-25.0	850.53	8	.62	1058.63	240	652	.007	254
6000	321	29	5.7	-26.9	819.50	7	.52	1023.54	231	651	.006	256
7000	316	30	4.5	-26.3	789.49	8	.56	990.33	224	649	.005	259
8000	308	32	2.8	-26.9	760.43	9	.53	959.86	217	647	.007	242
9000	299	33	.7	-26.5	732.25	11	.55	931.11	211	645	.009	229
10000	288	37	-1.0	-33.7	704.93	6	.28	902.30	203	643	.014	237
11000	280	43	-2.6	-33.2	678.47	7	.29	873.58	197	641	.013	240
12000	277	49	-3.0	-32.7	652.92	8	.31	841.66	190	640	.011	252
13000	277	56	-3.6	-34.3	628.29	7	.27	811.82	183	640	.011	280
14000	277	61	-5.1	-35.1	604.50	7	.25	785.43	177	638	.009	277
15000	277	66	-5.9	-34.2	581.52	8	.27	757.98	171	637	.008	276
16000	276	69	-8.0	-33.7	559.29	11	.29	734.68	166	634	.005	267
17000	276	71	-10.1	-32.2	537.75	15	.34	712.04	161	632	.004	263
18000	275	73	-12.0	-28.5	516.89	24	.49	689.21	157	630	.004	246
19000	274	74	-14.1	-27.8	496.69	30	.52	667.68	152	627	.003	221
20000	272	75	-14.9	-35.9	477.18	15	.24	643.52	145	626	.004	206

MANDATORY LEVELS

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	RH PCT
611	329	16	10.7	.8	1000	51
2006	341	20	8.2	-6.7	950	36
3468	341	26	7.9	-19.8	900	12
5068	328	27	6.6	-25.0	850	8
6634	317	30	4.9	-26.9	800	8
8351	305	32	2.0	-26.8	750	10
10164	286	38	-1.4	-33.6	700	6
12093	277	50	-3.0	-32.8	650	8
14163	277	62	-5.1	-34.6	600	8
16392	276	70	-9.0	-33.0	550	12
18790	274	74	-13.7	-27.7	500	30

SIGNIFICANT LEVELS

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	I/R N
16	310	4	8.1	5.0	1022.00	323
196	323	16	11.0	2.8	1015.28	312
1714	338	18	8.4	-2.8	960.39	288
2564	344	23	7.7	-14.0	930.74	267
6202	320	29	5.5	-27.7	813.35	230
9862	289	37	-0.8	-33.8	708.67	204
10843	281	42	-2.6	-33.4	682.56	198
12700	277	54	-3.0	-33.6	635.59	184
15445	277	67	-6.6	-34.6	571.56	168
19190	274	74	-14.5	-27.9	492.93	151

TEST NBR 05190 0 MINUS 150 M
RAWINSONDE RUN AN/GMD-4
CAPE CANAVERAL AFS, FLORIDA
0441Z 10 DEC 1974
ASCENT NBR. 0758

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	RH PCT	AB HUM G/M3	DENSITY G/M3	I/R N	VS KTS	SHEAR /SEC	SHEAR DEG
16	330	5	8.6	3.6	1023.40	71	6.10	1261.50	319	654	0	0
1000	342	19	8.9	-17.6	987.01	14	1.21	1218.30	279	654	.025	347
2000	348	22	8.6	-6.0	951.34	35	3.01	1174.28	280	654	.006	19
3000	344	23	7.6	-15.5	916.86	18	1.50	1137.01	263	653	.003	287
4000	332	24	7.0	-19.6	883.55	13	1.00	1098.07	251	652	.008	250
5000	319	25	7.3	-23.7	851.42	9	.70	1057.33	240	652	.009	246
6000	312	26	6.1	-24.8	820.41	9	.63	1023.06	232	651	.006	255
7000	309	29	3.7	-26.0	790.33	9	.57	994.14	225	648	.005	278
8000	307	32	1.9	-25.7	761.15	11	.59	963.73	218	646	.005	290
9000	306	35	.7	-23.9	732.91	14	.70	931.86	212	645	.006	294
10000	304	39	-0.2	-25.1	705.61	14	.66	900.25	205	644	.007	292
11000	302	42	-1.2	-30.0	679.24	9	.40	869.88	196	642	.006	275
12000	299	44	-3.2	-28.0	653.73	12	.49	843.26	191	640	.005	254
13000	296	47	-5.5	-30.2	628.99	12	.40	818.51	185	637	.006	257
14000	291	52	-7.2	-32.5	604.99	11	.32	792.38	179	635	.011	254
15000	286	58	-7.8	-34.7	581.81	9	.26	763.79	172	635	.014	247
16000	282	64	-8.5	-36.7	559.47	8	.21	736.42	165	634	.013	250
17000	280	70	-9.3	-37.5	537.93	8	.20	710.23	160	633	.010	258
18000	279	74	-10.4	-37.3	517.15	9	.20	685.62	154	631	.007	270
19000	279	77	-12.2	-37.2	497.07	10	.21	663.40	149	629	.005	274
20000	279	78	-13.9	-36.5	477.65	13	.22	641.61	144	627	.001	268

MANDATORY LEVELS

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	RH PCT
644	341	15	8.8	-11.0	1000	32
2035	348	22	8.6	-6.2	950	35
3496	339	23	7.2	-18.1	900	14
5037	318	25	7.3	-23.9	850	9
6664	310	28	4.6	-25.5	800	9
8376	307	33	1.4	-25.1	750	12
10191	304	40	-0.4	-26.7	700	12
12124	299	45	-3.5	-28.4	650	12
14183	290	53	-7.5	-33.0	600	11
16399	281	67	-8.9	-37.5	550	8
18809	279	77	-11.9	-37.2	500	10

SIGNIFICANT LEVELS

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	I/R N
16	330	5	8.6	3.6	1023.40	319
954	342	19	8.9	-18.1	988.69	279
2008	348	22	8.6	-5.9	951.05	280
3173	343	24	7.4	-17.1	911.04	260
5226	316	25	7.4	-24.7	844.30	237
7384	308	30	2.7	-26.7	779.05	223
10766	303	42	-0.7	-30.7	685.35	198
14134	291	53	-7.5	-32.8	601.83	178
16506	280	67	-8.9	-37.6	548.49	162
17706	279	73	-9.9	-37.4	523.18	156

TEST NBR 03718 0 MINUS 40 MI
RAWINSONDE RUN AN/GMD-1
CAPE CANAVERAL AFS, FLORIDA
0631Z 10 DEC 1974
ASCENT NBR 0759

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	RH PCT	AB HUM G/M3	DENSITY G/M3	I/R N	VS KTS	SHEAR /SEC	SHEAR DEG
16	310	6	7.9	2.5	1023.00	69	5.64	1264.61	317	653	0	0
1000	345	21	8.9	3.3	986.64	68	5.94	1215.12	308	654	.027	358
2000	355	20	7.7	-0.2	950.91	59	4.72	1176.88	292	653	.006	87
3000	346	20	7.9	-4.7	916.53	40	3.31	1134.21	273	653	.005	259
4000	332	23	7.1	-5.7	883.27	39	3.09	1096.03	263	652	.010	277
5000	314	25	6.5	-7.1	851.17	37	2.78	1058.64	253	651	.013	247
6000	306	27	5.8	-7.8	820.13	37	2.63	1022.52	244	651	.008	253
7000	319	27	3.6	-9.8	790.09	37	2.28	993.15	236	648	.011	39
8000	301	33	2.6	-10.5	760.98	37	2.16	960.23	228	647	.018	249
9000	311	36	1.6	-11.1	732.84	38	2.07	927.90	220	646	.011	11
10000	317	43	.2	-11.9	705.62	39	1.94	897.96	212	644	.014	346
11000	309	44	-1.0	-13.4	679.32	38	1.73	868.41	205	643	.011	234
12000	308	41	-2.3	-15.1	653.87	37	1.52	840.04	197	641	.006	139
13000	317	40	-3.6	-16.5	629.26	36	1.36	812.61	190	640	.010	50
14000	320	46	-6.0	-18.7	605.40	36	1.13	788.78	183	637	.010	340
15000	317	47	-6.9	-19.6	582.32	36	1.05	761.33	177	636	.006	263
16000	304	48	-8.8	-21.2	560.02	36	.92	737.44	170	633	.018	222
17000	292	52	-10.3	-22.6	538.42	36	.82	713.01	164	632	.019	232
18000	286	61	-12.6	-24.7	517.51	36	.68	691.58	159	629	.017	256
19000	282	68	-13.9	-25.8	497.26	35	.62	667.83	153	627	.015	253
20000	284	75	-15.3	-27.1	477.73	36	.56	645.08	147	626	.011	297

MANDATORY LEVELS

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	RH PCT
633	339	19	9.1	3.1	1000	66
2023	355	20	7.8	-0.5	950	57
3487	340	22	7.4	-5.2	900	40
5029	314	25	6.4	-7.2	850	37
6655	318	27	4.3	-9.1	800	37
8371	297	35	2.1	-10.5	750	38
10191	316	44	.2	-12.0	700	39
12131	309	40	-2.4	-15.2	650	37
14201	320	47	-6.2	-18.9	600	36
16423	297	49	-9.4	-21.8	550	36
18819	283	67	-13.8	-25.7	500	35

SIGNIFICANT LEVELS

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	I/R N
16	310	6	7.9	2.5	1023.00	317
743	341	19	9.5	3.5	996.00	310
1827	355	20	6.7	2.2	957.00	299
2149	354	20	8.6	-2.4	945.00	284
6136	305	27	5.8	-7.9	816.00	243
7343	310	30	3.0	-10.4	780.00	233
13135	318	40	-3.8	-16.7	626.00	189
13552	320	43	-5.2	-17.9	616.00	186
19934	283	74	-15.2	-27.0	479.00	148

TEST NBR 00000
RAWINSONDE RUN AN/GMT-4
CAPE CANAVERAL AFS, FLORIDA
1115Z 10 DEC 1974
ASCENT NBR 0768

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	RH PCT	AB HUM G/M3	DENSITY G/M3	I/R N	VS KTS	SHEAR /SEC	SHEAR DEG
16	310	5	6.3	2.4	1023.00	76	5.62	1272.03	319	651	0	0
1000	353	14	7.7	2.8	986.50	71	5.78	1220.22	308	653	.019	11
2000	340	19	9.2	-10.3	950.82	24	2.14	1171.89	274	655	.011	309
3000	336	21	7.7	-11.9	916.39	23	1.90	1135.56	265	653	.003	288
4000	332	23	6.1	-13.4	883.07	23	1.69	1100.60	256	651	.004	293
5000	325	24	5.5	-15.2	850.82	21	1.46	1062.89	246	650	.005	270
6000	319	23	4.9	-17.2	819.68	18	1.23	1026.20	236	650	.005	213
7000	322	22	3.4	-13.0	789.58	29	1.77	993.46	232	648	.002	92
8000	328	25	4.0	-17.7	760.54	19	1.19	955.38	220	649	.006	8
9000	328	26	3.9	-16.9	732.59	20	1.27	920.45	213	648	.002	346
10000	328	25	2.8	-18.4	705.62	19	1.12	890.22	205	647	.002	158
11000	326	24	1.2	-19.7	679.50	19	1.01	862.40	199	645	.002	192
12000	321	23	-0.5	-20.7	654.22	20	.93	835.40	192	643	.004	205
13000	316	22	-2.8	-23.1	629.70	19	.76	811.12	186	640	.004	203
14000	312	22	-4.9	-25.2	605.90	18	.63	786.60	179	638	.003	239
15000	304	24	-7.4	-26.8	582.82	19	.55	763.60	174	635	.006	243
16000	292	27	-9.3	-28.6	560.43	19	.47	739.76	168	633	.010	236
17000	284	33	-11.8	-30.6	538.73	19	.39	717.88	163	630	.013	256
18000	284	40	-13.2	-31.7	517.71	19	.35	693.65	157	628	.012	282
19000	287	46	-13.7	-31.8	497.45	20	.35	667.69	151	628	.011	304
20000	290	51	-15.1	-33.1	477.90	20	.31	645.07	146	626	.009	318

MANDATORY LEVELS

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	RH PCT
631	349	13	8.3	3.5	1000	72
2020	340	19	9.1	-10.4	950	24
3423	334	21	7.3	-12.7	900	23
5018	325	24	5.5	-15.2	850	21
6638	320	23	3.9	-14.2	800	26
8358	328	26	4.0	-17.1	750	20
10193	328	24	2.4	-18.7	700	19
12146	320	23	-0.8	-20.8	650	20
14223	310	23	-5.5	-25.7	600	19
16440	288	29	-10.5	-29.6	550	19
18828	286	45	-13.6	-31.8	500	20

SIGNIFICANT LEVELS

ALTITUDE FEET	DIR DEG	SPEED KTS	TEMP DEG C	DEW PT DEG C	PRESS MBS	I/R N
16	310	5	6.3	2.4	1023.00	319
649	350	14	8.5	3.6	997.89	312
1373	356	15	6.7	1.9	972.99	303
1534	349	17	8.4	3.5	967.24	303
1798	341	19	9.7	-10.0	957.91	276
4177	331	23	5.7	-13.6	877.27	254
6035	319	23	4.9	-17.3	818.62	236
6952	321	22	3.4	-12.7	791.00	233
8753	329	26	4.1	-16.5	739.12	215
12253	320	22	-0.9	-20.9	647.96	191
17000	284	33	-11.8	-30.6	538.72	163
19137	287	47	-13.7	-31.8	494.73	150

APPENDIX D

WINDSONDE DATA

TEST NBR. 03718 0-390MIN WINDSONDE
WINDSONDE
CAPE CANAVERAL AFS, FLA.
0041Z 10 DEC 1974
ASCENT NBR. 0000

ALTITUDE FEET	DIR DEG	SPEED KTS	SHEAR /SEC	SHEAR DIR
16	300	2	0	0
1000	320	17	.026	323
2000	326	20	.007	354
3000	343	22	.010	52
4000	326	26	.013	275
5000	326	26	.000	19
6000	323	30	.007	300
7000	317	30	.005	245
8000	298	34	.019	238
9000	281	36	.018	210
10000	271	37	.010	193
11000	277	49	.021	293
12000	277	59	.017	278
13000	271	56	.012	162
14000	275	57	.007	345
15000	280	66	.017	314
16000	276	67	.010	201
17000	275	68	.003	230
18000	276	68	.002	342
19000	274	70	.005	219
20000	270	73	.009	216

APPENDIX E

JIMSPHERE DATA

TEST NBR 3718
JIMSPHERE
CAPE CANAVERAL AFS, FLA,
2011Z 09 DEC 1974

ALTITUDE FEET	DIR DEG	SPEED KTS	SHEAR /SEC	ASCENT FPS
16	320,0	10,00	0	99,9*
500	327,9	10,18	0	18,6
1000	309,4	8,70	,0114	18,4
1500	297,4	8,23	,0063	20,4
2000	317,2	15,19	0	18,9*
2500	337,0	22,14	0	17,3
3000	337,8	25,93	,0126	17,7
3500	339,6	21,91	,0138	17,0
4000	335,7	20,72	,0064	17,2
4500	332,9	22,03	,0055	17,3
5000	329,0	20,78	,0065	16,6
5500	314,7	21,37	,0177	16,6
6000	303,5	17,94	,0174	16,6
6500	300,1	22,56	,0161	18,1
7000	295,6	26,53	,0150	17,4
7500	297,9	32,39	,0201	16,9
8000	291,8	30,97	,0124	16,4
8500	283,0	33,04	,0180	18,2
9000	273,5	34,58	,0194	15,8
9500	263,1	36,12	,0223	14,2
10000	257,3	34,93	,0129	14,3
10500	264,6	38,13	,0190	16,0
11000	259,3	38,43	,0118	16,3
11500	248,1	37,01	,0254	17,5
12000	248,0	38,31	,0044	16,5
12500	249,7	41,68	,0122	19,8
13000	246,7	42,75	,0080	17,2
13500	250,2	44,82	,0114	16,7
14000	254,2	47,19	,0134	17,9
14500	258,8	50,92	,0184	17,7

NOTE FOLLOWING WIND DATA SUBSTITUTED FOR MISSING WIND DATA,
SOURCE CAPE CANAVERAL AFS, FLORIDA RAWINSONDE RUN AN/GMD-4

1711Z 09 DEC 1974

ALTITUDE FEET	DIR DEG	SPEED KTS		
16	320,0	10,00	0	99,9*

TEST NBR 3718
JIMSPHERE
CAPE CANAVERAL AFS, FLA.
0456Z 10 DEC 1974

ALTITUDE FEET	DIR DEG	SPEED KTS	SHEAR /SEC	ASCENT FPS
16	330.0	5.00	0	99.9*
500	331.0	18.00	0	99.9*
1000	338.7	18.83	0	17.4
1500	342.9	17.17	.0071	18.1
2000	355.0	20.37	.0172	17.5
2500	352.5	23.15	.0099	17.0
3000	352.7	26.94	.0127	16.7
3500	345.1	23.09	.0170	16.8
4000	342.7	21.91	.0052	15.9
4500	334.4	26.05	.0182	17.0
5000	313.4	24.75	.0314	17.4
5500	305.3	27.18	.0149	17.0
6000	305.3	27.41	.0010	16.1
6500	302.6	26.64	.0050	16.6
7000	305.6	30.43	.0135	17.0
7500	308.1	32.21	.0077	16.2
8000	306.1	28.72	.0123	16.5
8500	299.4	29.84	.0122	15.7
9000	306.6	33.10	.0173	17.5
9500	307.9	37.18	.0140	17.0
10000	306.3	41.80	.0161	16.1
10500	306.7	40.85	.0034	15.6
11000	299.9	42.04	.0171	16.3
11500	303.0	43.28	.0088	15.1
12000	304.4	44.58	.0056	18.1
12500	301.0	45.29	.0095	15.6
13000	294.8	47.37	.0181	15.7
13500	290.9	48.67	.0119	16.9
14000	294.6	50.03	.0114	16.9
14500	298.3	50.03	.0112	16.7
15000	300.1	53.70	.0135	15.8
15500	291.3	53.11	.0276	15.8
16000	284.2	57.67	.0277	17.1
16500	283.2	63.29	.0194	16.5
17000	280.9	69.51	.0229	18.3
17500	279.4	72.23	.0110	15.2
18000	275.8	70.99	.0157	18.8
18500	276.6	73.24	.0083	16.0
19000	278.6	78.75	.0206	17.8
19500	279.1	80.82	.0073	15.8
20000	279.2	76.62	.0143	16.0

NOTE FOLLOWING WIND DATA SUBSTITUTED FOR MISSING WIND DATA, TEST NO. 3718
SOURCE CAPE CANAVERAL AFS, FLA. RAWIN RUN 0441Z 10 DEC 1974

ALTITUDE FEET	DIR DEG	SPEED KTS		
16	330.0	5.00	0	99.9*
500	331.0	18.00	0	99.9*

TEST NBR 3718
JIMSPHERE
CAPE CANAVERAL AFS, FLA.
0/22Z 10 DEC 1974

ALTITUDE FEET	DIR DEG	SPEED KTS	SHEAR /SEC	ASCENT FPS
16	310.0	6.00	0	99.9*
500	337.0	18.00	0	99.9*
1000	345.0	21.00	0	99.9*
1500	357.3	23.15	0	17.7
2000	10.2	20.72	.0185	16.9
2500	352.1	19.42	.0218	17.5
3000	339.6	16.82	.0160	17.5
3500	335.0	16.59	.0046	16.9
4000	339.4	24.22	.0265	17.8
4500	324.5	19.78	.0243	16.7
5000	315.8	24.69	.0201	17.1
5500	310.5	24.28	.0077	16.4
6000	303.0	24.93	.0112	17.7
6500	298.3	28.30	.0136	17.7
7000	295.9	31.79	.0125	16.1
7500	301.0	31.32	.0097	18.6
8000	301.0	30.73	.0021	16.7
8500	303.2	31.38	.0044	17.6
9000	309.0	28.89	.0134	17.0
9500	326.7	33.81	.0364	16.6
10000	326.3	41.92	.0274	17.4
10500	319.3	47.96	.0275	15.6
11000	309.0	44.29	.0305	16.7
11500	308.9	44.47	.0006	17.5
12000	314.3	39.97	.0202	16.8
12500	328.0	38.72	.0319	16.0
13000	331.3	46.06	.0262	16.1
13500	329.5	45.00	.0059	15.9
14000	324.7	44.41	.0127	18.4
14500	328.5	39.61	.0188	13.8
15000	330.3	39.85	.0044	18.0
15500	331.1	40.68	.0032	17.8
16000	326.7	41.39	.0108	12.5
16500	312.0	40.14	.0355	19.3
17000	305.1	42.63	.0188	16.6
17500	298.5	42.16	.0166	14.9
18000	289.5	46.12	.0269	20.4
18500	287.5	52.04	.0208	17.2
19000	285.2	56.43	.0166	15.9
19500	282.6	60.57	.0168	17.5
20000	284.6	61.28	.0080	18.3

NOTE FOLLOWING WIND DATA SUBSTITUTED FOR MISSING WIND DATA, TEST NO. 3718

SOURCE CAPE CANAVERAL AFS, FLORIDA RAWINSONDE RUN AN/GMD-1

0631Z 10 DEC 1974

ALTITUDE FEET	DIR DEG	SPEED KTS		
16	310.0	6.00	0	99.9*
500	337.0	18.00	0	99.9*
1000	345.0	21.00	0	99.9*

APPENDIX F

TOWER DATA

Symbols and Units Used on Tower Data Computer Printout

Symbol	Definition	Units
DIR	Wind Direction	Degrees measured clockwise from north (0°)
DIR DEV	Standard Deviation of Wind Azimuth Angle for Specified Data Sampling interval	Degrees
DP	Dew Point	Deg. Farenheit (°F)
GST	Highest wind speed during specified data sampling interval	Knots
INT	Data Sampling Interval	Minutes
Lapse Rate	Temperature Difference between the 54' and 6' levels	°F
RH	Relative Humidity	Percent
SPD	Wind Speed	Knots
TT	Temperature	°F
5 PPM	Downwind distance at which the ground level pollutant concentration is 5 parts per million (5 PPM) for an assumed ground level emission rate of 1,000 pounds per minute.	Miles
10 PPM	Downwind distance at which the ground level pollutant concentration is 10 parts per million (10 PPM) for an assumed ground level emission rate of 1,000 pounds per minute.	Miles
99,99.9 99 999.9	Missing data	

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT (295) DIR	54 FT (295) SPD	54 FT (295) GST	162 FT (394) DIR	162 FT (394) SPD	162 FT (394) GST	204 FT (492) DIR	204 FT (492) SPD	204 FT (492) GST	6FT TT	6FT DP	54FT DR	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	106	325	3	99	313	5	8	999	99	99	999	99	99	53	999	999	1.0	24.2	10.7	4.9	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	106	310	2	99	305	4	6	999	99	99	999	99	99	52	999	999	1.2	20.0	8.8	12.1	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	106	315	3	99	307	5	8	999	99	99	999	99	99	52	999	999	1.0	28.3	12.5	2.7	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	106	316	4	99	309	6	10	999	99	99	999	99	99	52	999	999	.8	25.4	11.2	3.5	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	106	313	3	99	307	5	10	999	99	99	999	99	99	52	999	999	1.0	24.5	10.8	4.7	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	106	319	4	99	308	6	11	999	99	99	999	99	99	51	999	999	.9	21.5	9.5	7.2	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	106	333	5	99	312	7	13	999	99	99	999	99	99	52	999	999	.6	25.6	11.3	2.9	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	106	336	5	99	320	8	15	999	99	99	999	99	99	50	999	999	.5	28.3	12.5	1.8	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	106	333	6	99	319	8	15	999	99	99	999	99	99	50	999	999	.3	30.1	13.3	1.2	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	106	334	6	99	321	8	15	999	99	99	999	99	99	49	999	999	.3	25.8	11.4	2.2	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	106	333	6	99	317	8	14	999	99	99	999	99	99	49	999	999	.4	24.3	10.7	3.0	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	106	338	5	99	320	7	14	999	99	99	999	99	99	48	999	999	.5	26.6	11.7	2.3	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	106	335	5	99	316	7	14	999	99	99	999	99	99	48	999	999	.4	26.0	11.5	2.3	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	106	337	5	99	314	7	13	999	99	99	999	99	99	48	999	999	.4	26.7	11.7	2.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	106	334	5	99	307	6	13	999	99	99	999	99	99	48	999	999	.3	27.5	12.1	1.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	106	331	5	99	307	7	14	999	99	99	999	99	99	48	999	999	.3	26.1	11.5	2.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	106	327	5	99	313	7	12	999	99	99	999	99	99	48	999	999	.3	23.0	10.2	3.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	106	328	6	99	324	8	14	999	99	99	999	99	99	48	999	999	.3	22.9	10.1	3.5	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	106	333	6	99	314	8	12	999	99	99	999	99	99	48	999	999	.3	23.0	10.2	3.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	106	339	6	99	320	10	15	999	99	99	999	99	99	47	999	999	.4	22.6	9.9	4.0	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	106	334	6	99	313	9	14	999	99	99	999	99	99	48	999	999	.4	22.4	9.9	4.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	650	5	106	335	6	99	320	8	13	999	99	99	999	99	99	48	999	999	.3	21.8	9.6	4.2	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	106	336	6	99	316	10	13	999	99	99	999	99	99	48	999	999	.4	23.5	10.4	3.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	106	336	7	99	319	11	15	999	99	99	999	99	99	48	999	999	.3	28.5	12.5	1.5	48	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	106	335	7	99	314	10	15	999	99	99	999	99	99	48	999	999	.3	28.5	12.5	1.5	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	106	332	6	99	309	8	15	999	99	99	999	99	99	48	999	999	.3	27.5	12.1	1.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	106	335	6	99	308	8	14	999	99	99	999	99	99	48	999	999	.4	28.1	12.4	1.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	106	334	7	99	329	9	15	999	99	99	999	99	99	48	999	999	.3	27.5	12.1	1.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	106	332	6	99	314	9	13	999	99	99	999	99	99	48	999	999	.3	28.0	12.3	1.6	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	106	337	6	99	315	10	15	999	99	99	999	99	99	48	999	999	.3	26.8	11.8	1.9	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	106	335	6	99	319	8	15	999	99	99	999	99	99	48	999	999	.2	26.6	11.7	1.8	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	106	336	7	99	318	10	18	999	99	99	999	99	99	47	999	999	.2	26.2	11.6	1.9	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	106	338	7	99	320	10	19	999	99	99	999	99	99	47	999	999	.2	28.9	12.7	1.3	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	106	337	6	99	316	9	17	999	99	99	999	99	99	47	999	999	.2	25.5	11.3	2.1	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	106	340	7	99	322	9	17	999	99	99	999	99	99	47	999	999	.2	29.5	13.0	1.2	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	106	336	5	99	311	7	14	999	99	99	999	99	99	46	999	999	.2	26.2	11.6	1.9	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	106	334	5	99	316	8	14	999	99	99	999	99	99	46	999	999	.3	23.6	10.4	3.1	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	106	331	4	99	311	6	16	999	99	99	999	99	99	46	999	999	.4	24.3	10.7	3.0	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	106	337	4	99	313	8	14	999	99	99	999	99	99	46	999	999	.4	22.9	10.1	3.8	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	106	348	5	99	324	8	15	999	99	99	999	99	99	46	999	999	.2	18.2	8.0	7.8	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	106	353	4	99	325	8	14	999	99	99	999	99	99	46	999	999	-0.1	20.1	8.9	4.1	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	106	351	5	99	325	8	14	999	99	99	999	99	99	48	999	999	-0.5	18.8	8.1	4.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	106	351	4	99	321	6	12	999	99	99	999	99	99	50	999	999	-0.8	12.9	5.7	12.3	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	106	354	4	99	326	7	12	999	99	99	999	99	99	53	999	999	-1.2	12.7	5.6	9.0	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	106	353	5	99	325	7	14	999	99	99	999	99	99	55	999	999	-1.5	13.7	6.0	4.9	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	106	350	6	99	334	9	15	999	99	99	999	99	99	55	999	999	-1.8	12.0	5.3	6.1	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	106	344	7	99	324	8	15	999	99	99	999	99	99	56	999	999	-1.8	16.6	7.3	1.7	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	106	342	7	99	324	6	15	999	99	99	999	99	99	57	999	999	-1.8	13.8	6.1	3.5	55	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	106	350	6	99	330	7	17	999	99	99	999	99	99	59	999	999	-1.9	10.3	4.5	10.0	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	106	350	6	99	341	6	17	999	99	99	999	99	99	59	999	999	-2.1	10.9	4.8	6.4	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	106	352	5	99	324	7	16	999	99	99	999	99	99	59	999	999	-2.1	10.3	4.5	7.9	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	106	348	6	99	336	8	16	999	99	99	999	99	99	59	999	999	-2.0	13.5	5.9	3.1	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	106	353	5	99	337	5	14	999	99	99	999	99	99	59	999	999	-2.0	9.4	4.1	12.7	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	106	348	5	99	330	6	15	999	99	99	999	99	99	59	999	999	-1.8	12.0	5.3	6.0	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	106	346	6	99	330	7	12	999	99	99	999	99	99	59	999	999	-1.7	12.1	5.3	6.5	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	106	346	5	99	324	6	12	999	99	99	999	99	99	59	999	999	-1.6	13.4	5.9	4.8	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	106	343	5	99	329	5	11	999	99	99	999	99	99	58	999	999	-1.2	13.5	6.0	7.0	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	106	350	4	99	337	6	9	999	99	99	999	99	99	57	999	999	-0.8	18.7	8.2	2.9	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	106	347	4	99	332	6	8	999	99	99	999	99	99	56	999	999	-0.3	21.2	9.4	2.8	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	106	348	3	99	333	6	7	999	99	99	999	99	99	54	999	999	1.1	25.9	11.4	4.1	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	106	342	3	99	324	6	8	999	99	99	999	99	99	53	999	999	1.9	31.5	13.9	3.5	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	106	334	2	99	321	5	6	999	99	99	999	99	99	51	999	999	2.7	29.2	12.9	8.2	54	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	108	316	6	99	310	8	11	999	99	99	999	99	99	55	999	999	-0.1	20.6	9.1	3.7	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	108	312	6	99	305	8	11	999	99	99	999	99	99	54	999	999	-0.4	22.3	9.8	2.1	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	108	308	5	99	303	7	9	999	99	99	999	99	99	54	999	999	-0.3	21.2	9.4	2.8	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	108	311	5	99	304	8	10	999	99	99	999	99	99	53	999	999	-0.2	23.1	10.2	2.2	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	108	306	5	99	300	8	11	999	99	99	999	99	99	53	999	999	-0.2	22.3	9.8	2.5	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	108	310	6	99	304	9	13	999	99	99	999	99	99	53	999	999	-0.3	24.1	10.6	1.7	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	108	315	7	99	308	10	13	999	99	99	999	99	99	53	999	999	-0.4	19.3	8.5	3.7	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	108	317	8	99	311	12	16	999	99	99	999	99	99	52	999	999	-0.5	21.8	9.6	2.1	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	108	319	9	99	312	13	17	999	99	99	999	99	99	51	999	999	-0.7	20.6	9.1	2.2	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	108	316	7	99	310	11	15	999	99	99	999	99	99	50	999	999	-0.6	19.4	8.6	3.0	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	108	319	8	99	312	12	16	999	99	99	999	99	99	50	999	999	-0.6	20.6	9.1	2.4	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	108	323	8	99	314	11	15	999	99	99	999	99	99	49	999	999	-0.6	21.3	9.4	2.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	108	323	9	99	316	13	16	999	99	99	999	99	99	49	999	999	-0.7	24.6	10.8	.9	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	108	319	8	99	316	12	15	999	99	99	999	99	99	49	999	999	-0.7	22.3	9.8	1.6	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	108	321	8	99	314	12	15	999	99	99	999	99	99	49	999	999	-0.7	22.3	9.8	1.6	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	108	320	8	99	315	12	15	999	99	99	999	99	99	49	999	999	-0.7	22.0	9.7	1.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	108	319	8	99	313	11	13	999	99	99	999	99	99	49	999	999	-0.7	21.7	9.5	1.8	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	108	320	8	99	313	12	15	999	99	99	999	99	99	49	999	999	-0.7	21.7	9.5	1.8	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	108	320	8	99	311	12	15	999	99	99	999	99	99	50	999	999	-0.7	24.6	10.8	1.0	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	108	316	8	99	311	12	15	999	99	99	999	99	99	50	999	999	-0.7	22.3	9.8	1.6	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	108	313	8	99	310	12	15	999	99	99	999	99	99	49	999	999	-0.7	19.7	8.7	2.6	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	650	5	108	318	8	99	311	12	14	999	99	99	999	99	99	49	999	999	-0.7	19.9	8.8	2.5	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	108	317	7	99	310	12	14	999	99	99	999	99	99	49	999	999	-0.8	19.6	8.7	2.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	108	320	9	99	313	12	15	999	99	99	999	99	99	48	999	999	-0.8	21.2	9.3	1.8	47	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	108	320	8	99	313	12	15	999	99	99	999	99	99	48	999	999	-0.8	21.5	9.5	1.7	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	108	320	8	99	315	14	1	999	99	99	999	99	99	48	999	999	-0.8	22.6	9.9	1.4	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	108	321	8	99	313	13	15	999	99	99	999	99	99	48	999	999	-0.8	24.0	10.6	.9	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	108	321	8	99	313	13	16	999	99	99	999	99	99	48	999	999	-0.8	24.0	10.6	.7	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	108	321	8	99	312	12	14	999	99	99	999	99	99	48	999	999	-0.8	24.0	10.6	.7	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	108	321	8	99	313	12	14	999	99	99	999	99	99	48	999	999	-0.8	24.0	10.6	.8	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	108	320	8	99	312	12	16	999	99	99	999	99	99	48	999	999	-0.8	22.6	9.9	1.4	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	108	322	9	99	314	13	17	999	99	99	999	99	99	48	999	999	-0.8	21.5	9.5	1.7	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	108	324	8	99	316	13	16	999	99	99	999	99	99	49	999	999	-0.7	20.8	9.2	2.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	108	328	8	99	320	14	17	999	99	99	999	99	99	49	999	999	-0.7	20.8	9.2	2.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	108	327	8	99	319	12	16	999	99	99	999	99	99	48	999	999	-0.7	23.6	10.4	1.3	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	108	327	8	99	319	12	16	999	99	99	999	99	99	48	999	999	-0.7	20.1	8.9	2.4	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	108	320	7	99	314	11	14	999	99	99	999	99	99	47	999	999	-0.8	21.8	9.6	1.6	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	108	320	8	99	311	11	15	999	99	99	999	99	99	47	999	999	-0.9	18.8	8.3	2.6	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	108	325	7	99	317	11	16	999	99	99	999	99	99	46	999	999	-0.7	19.9	8.8	2.5	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	108	325	7	99	319	11	14	999	99	99	999	99	99	46	999	999	-0.8	21.8	9.6	1.6	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	108	326	7	99	320	11	15	999	99	99	999	99	99	47	999	999	-1.1	19.1	8.4	2.0	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	108	329	7	99	321	11	15	999	99	99	999	99	99	48	999	999	-1.5	16.7	7.3	2.3	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	108	328	7	99	321	10	13	999	99	99	999	99	99	51	999	999	-2.0	16.3	7.2	1.5	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	108	325	7	99	318	11	14	999	99	99	999	99	99	53	999	999	-2.4	11.8	5.2	3.4	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	108	325	7	99	318	11	15	999	99	99	999	99	99	54	999	999	-2.6	11.5	5.1	3.0	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	108	328	7	99	322	12	15	999	99	99	999	99	99	55	999	999	-2.9	12.1	5.3	1.7	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	108	331	7	99	325	11	15	999	99	99	999	99	99	56	999	999	-3.1	10.0	4.4	2.8	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	108	334	8	99	327	12	17	999	99	99	999	99	99	58	999	999	-3.3	8.4	3.7	4.3	55	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	108	348	7	99	342	11	18	999	99	99	999	99	99	60	999	999	-3,4	6,2	2,7	12,0	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	108	349	7	99	343	11	18	999	99	99	999	99	99	60	999	999	-3,4	6,8	3,0	8,3	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	108	348	7	99	342	11	18	999	99	99	999	99	99	60	999	999	-3,6	6,6	2,9	7,4	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	108	348	6	99	344	9	15	999	99	99	999	99	99	60	999	999	-3,3	6,5	2,8	11,8	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	108	349	6	99	341	9	14	999	99	99	999	99	99	60	999	999	-3,1	8,1	3,6	6,4	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	108	348	5	99	340	8	13	999	99	99	999	99	99	60	999	999	-3,0	7,3	3,2	10,9	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	108	358	5	99	349	7	13	999	99	99	999	99	99	60	999	999	-2,9	7,0	3,1	14,3	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	108	350	5	99	344	8	12	999	99	99	999	99	99	59	999	999	-2,4	10,5	4,6	5,2	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	108	349	5	99	342	7	11	999	99	99	999	99	99	59	999	999	-2,0	11,2	5,0	6,3	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	108	345	5	99	339	7	10	999	99	99	999	99	99	58	999	999	-1,6	13,4	5,9	4,9	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	108	345	4	99	335	6	9	999	99	99	999	99	99	57	999	999	-0,9	14,6	6,4	6,9	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	108	349	3	99	331	6	9	999	99	99	999	99	99	54	999	999	,7	20,4	9,8	7,6	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	108	334	4	99	319	6	8	999	99	99	999	99	99	53	999	999	1,3	22,7	10,0	8,0	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	108	337	3	99	319	5	7	999	99	99	999	99	99	52	999	999	2,3	23,9	10,5	13,5	54	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	110	309	5	18	315	7	16	301	9	12	307	11	15	54	41	38	-0.3	21.2	9.4	2.8	54	59
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	110	307	5	8	313	7	10	299	9	12	308	11	17	54	42	39	-0.3	22.6	10.0	2.2	54	57
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	110	304	5	7	309	6	9	299	7	12	304	9	14	54	42	40	-0.3	20.0	8.8	3.5	54	60
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	110	305	5	8	311	7	10	300	9	13	308	12	15	53	42	39	-0.2	24.7	10.9	1.7	53	59
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	110	302	4	6	306	6	8	298	9	11	308	12	15	52	43	40	-0.2	24.0	10.6	1.9	52	64
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	110	306	5	8	309	7	10	299	10	12	309	13	17	52	42	40	-0.2	26.4	11.7	1.3	52	64
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	110	306	6	11	312	9	13	301	11	14	311	13	17	52	41	38	-0.2	25.1	11.0	1.6	52	59
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	110	310	7	11	315	9	13	306	11	13	313	13	17	51	39	37	-0.4	22.3	9.8	2.1	51	59
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	110	311	6	9	317	8	12	309	10	14	315	12	17	50	39	37	-0.4	22.9	10.1	1.9	50	62
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	110	307	6	11	312	9	12	307	9	12	313	12	16	50	39	37	-0.3	24.9	11.0	1.5	50	61
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	110	308	7	10	315	10	14	308	12	14	312	14	17	49	38	36	-0.4	23.2	10.2	1.8	49	62
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	110	312	7	12	318	10	14	307	12	15	314	14	18	49	38	35	-0.3	23.8	10.5	1.8	49	59
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	110	310	6	10	319	9	14	316	12	16	318	13	17	49	38	37	-0.4	22.9	10.1	1.9	49	64
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	110	313	7	13	323	10	15	319	14	20	324	14	17	49	38	36	-0.3	23.4	10.3	1.9	49	61
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	110	315	7	10	321	11	15	318	15	18	321	15	17	49	38	36	-0.3	24.1	10.6	1.7	49	61
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	110	311	7	11	322	11	14	317	14	15	321	14	17	49	38	36	-0.4	25.3	11.1	1.3	49	62
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	110	315	7	10	319	10	13	318	14	16	323	15	17	49	39	37	-0.5	23.8	10.5	1.5	49	64
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	110	314	7	10	320	10	13	317	14	17	322	15	17	49	38	37	-0.4	24.4	10.7	1.5	49	64
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	110	313	8	11	320	11	13	316	14	16	320	15	16	48	38	36	-0.4	24.8	10.9	1.4	48	64
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	110	310	7	10	321	10	12	316	13	15	320	15	17	48	38	36	-0.4	22.6	10.0	2.0	48	64
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	110	310	7	10	318	9	12	315	13	15	320	15	17	48	38	36	-0.4	22.6	10.0	2.0	48	64
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	110	313	7	10	317	9	13	314	13	15	316	15	20	49	38	36	-0.4	22.3	9.8	2.1	49	62
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	110	313	7	9	316	9	13	314	14	16	316	16	18	49	38	36	-0.4	23.2	10.2	1.8	49	62
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	110	307	7	10	317	10	13	312	14	16	315	16	20	48	37	35	-0.4	22.3	9.8	2.1	48	61
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	110	310	7	9	316	10	14	315	14	17	318	15	18	48	37	35	*0.5	22.4	9.9	1.9	48	62
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	110	309	8	11	316	11	15	314	14	16	315	16	20	48	36	35	*0.5	23.8	10.5	1.5	48	62
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	110	309	8	12	315	11	13	312	14	17	312	17	22	48	36	34	*0.5	24.2	10.7	1.4	48	59
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	110	309	8	12	312	11	13	311	14	16	313	17	20	48	36	34	*0.5	24.7	10.9	1.3	48	59
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	110	307	8	10	315	12	14	311	14	16	311	17	20	48	37	35	*0.5	25.2	11.1	1.2	48	62
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	110	309	8	11	311	11	13	307	13	17	311	16	19	48	37	35	*0.5	25.8	11.4	1.0	48	62
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	110	308	8	13	313	11	15	309	14	18	311	17	21	48	37	35	*0.5	23.4	10.3	1.6	48	62
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	110	310	8	13	317	11	16	312	15	18	313	17	21	48	37	35	*0.4	21.1	9.3	2.6	48	61
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	110	313	7	11	318	10	15	314	13	16	316	14	19	48	38	36	*0.4	22.1	9.7	2.2	48	64
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	110	313	7	11	320	10	14	316	13	17	317	15	18	48	38	36	*0.4	22.9	10.1	1.9	48	64
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	110	312	7	11	319	9	15	314	13	17	317	14	19	47	37	35	*0.4	24.0	10.6	1.6	47	64
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	110	313	7	10	321	10	15	314	13	17	318	15	19	47	35	33	*0.5	21.3	9.4	2.3	47	59
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	110	311	7	12	316	10	13	313	12	16	315	14	18	46	35	33	*0.5	23.4	10.3	1.6	46	61
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	110	308	8	12	315	11	15	312	13	16	313	16	20	46	35	33	*0.5	23.8	10.5	1.5	46	61
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	110	311	7	12	317	10	14	312	13	15	316	15	19	46	35	33	*0.4	18.9	8.3	4.0	46	61
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	110	313	7	10	319	10	13	314	13	15	317	14	17	46	36	34	*0.5	24.7	10.9	1.3	46	64
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	110	312	6	11	318	9	13	313	11	15	317	13	17	46	38	36	*0.7	22.0	9.7	1.7	45	70
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	110	313	6	11	320	9	13	315	11	15	318	12	16	48	39	37	*1.0	18.7	8.2	2.4	47	68
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	110	313	6	9	322	8	14	318	10	15	319	10	13	50	42	43	*1.2	16.8	7.4	3.0	49	80
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	110	317	6	12	326	9	14	318	10	14	319	10	14	52	43	39	*1.5	15.2	6.7	3.3	51	65
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	110	316	6	11	326	9	16	317	10	15	318	10	15	53	44	41	*1.7	15.2	6.7	2.7	51	68
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	110	318	7	12	328	10	15	320	11	15	321	10	15	54	45	42	*1.8	17.2	7.6	1.5	52	68
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	110	317	7	12	327	11	15	320	12	15	322	11	15	55	45	42	*2.0	12.6	5.6	4.0	53	68
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	110	318	6	11	329	10	13	324	11	16	325	11	17	56	46	43	*2.1	12.5	5.5	3.8	54	68
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GSI	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 TT	54 RH
74	12	10	1700	30	110	329	5	12	344	11	17	340	14	18	343	14	18	58	45	40	-2.6	10.1	4.5	4.8	55	59
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	110	342	5	13	351	11	17	346	13	17	345	13	18	59	44	40	-2.7	7.8	3.5	11.6	56	59
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	110	334	5	12	348	11	16	341	12	18	342	12	17	59	44	40	-2.9	7.6	3.4	10.2	56	59
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	110	333	5	11	346	10	15	342	11	15	341	11	15	59	45	41	-2.8	7.9	3.5	10.2	56	57
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	110	332	5	10	346	9	15	341	10	14	340	10	14	59	45	40	-2.7	9.7	4.3	5.1	56	59
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	110	332	4	9	344	8	11	341	9	14	339	9	13	59	44	40	-2.7	8.7	3.8	7.7	56	59
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	110	327	4	9	342	8	13	338	9	12	338	9	13	59	43	39	-2.5	9.2	4.1	7.9	57	52
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	110	331	4	9	344	8	12	338	8	14	338	9	13	58	42	39	-2.1	9.8	4.3	9.6	56	53
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	110	335	3	9	347	7	12	343	7	13	341	8	13	58	42	39	-1.8	10.2	4.5	11.4	56	52
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	110	336	3	7	346	6	10	342	6	10	340	7	10	57	42	39	-1.3	12.6	5.6	8.3	56	53
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	110	324	3	6	340	6	9	337	6	9	335	7	9	57	43	39	-0.9	14.4	6.3	7.3	56	53
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	110	320	3	6	333	5	7	326	5	8	327	6	8	55	42	40	-0.2	18.8	8.3	4.9	55	57
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	110	315	3	5	328	5	7	327	5	7	328	6	9	54	43	41	-0	20.8	9.2	3.9	54	61
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	110	313	2	4	331	4	7	338	5	6	339	6	8	53	44	42	.2	22.1	9.7	3.7	53	60
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	110	329	5	12	344	11	17	340	14	18	343	14	18	58	45	40	*2.6	10.1	4.5	4.8	55	50
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	110	342	5	13	351	11	17	346	13	17	345	13	18	59	44	40	*2.7	7.8	3.5	11.6	56	54
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	110	334	5	12	348	11	16	341	12	18	342	12	17	59	44	40	*2.9	7.6	3.4	10.2	56	55
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	110	333	5	11	346	10	15	342	11	15	341	11	15	59	45	41	*2.8	7.9	3.5	10.2	56	57
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	110	332	5	10	346	9	15	341	10	14	340	10	14	59	45	40	*2.7	9.7	4.3	5.1	56	54
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	110	332	4	9	344	8	11	341	9	14	339	9	13	59	44	40	*2.7	8.7	3.8	7.7	56	54
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	110	327	4	9	342	8	13	338	9	12	338	9	13	59	43	39	*2.5	9.2	4.1	7.9	57	52
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	110	331	4	9	344	8	12	338	8	14	338	9	13	58	42	39	*2.1	9.8	4.3	9.6	56	50
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	110	335	3	9	347	7	12	343	7	13	341	8	13	58	42	39	*1.8	10.2	4.5	11.4	56	52
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	110	336	3	7	346	6	10	342	6	10	340	7	10	57	42	39	*1.3	12.6	5.6	8.3	56	53
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	110	324	3	6	340	6	9	337	6	9	335	7	9	57	43	39	*0.9	14.4	6.3	7.3	56	50
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	110	320	3	6	333	5	7	326	5	8	327	6	8	55	42	40	*0.2	18.8	8.3	4.9	55	57
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	110	315	3	5	328	5	7	327	5	7	328	6	9	54	43	41	*0	20.8	9.2	3.9	54	61
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	110	313	2	4	331	4	7	338	5	6	339	6	8	53	44	42	.2	22.1	9.7	3.7	53	60
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR	54 FT SPD (295)	54 FT GST	102 FT DIR	102 FT SPD (394)	102 FT GST	204 FT DIR	204 FT SPD (492)	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	303	999	99	99	350	5	7	999	99	99	999	99	99	44	999	999	6.3	46.2	20.4	10.0	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	303	999	99	99	334	5	7	999	99	99	999	99	99	42	999	999	7.8	38.5	17.0	20.3	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	303	999	99	99	341	5	6	999	99	99	999	99	99	42	999	999	6.6	32.8	14.4	37.8	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	303	999	99	99	346	6	7	999	99	99	999	99	99	40	999	999	8.5	43.2	19.1	12.9	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	303	309	1	99	348	5	7	999	99	99	999	99	99	44	999	999	7.3	63.5	28.0	2.9	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	303	317	1	99	353	5	7	999	99	99	999	99	99	44	999	999	5.8	58.4	25.8	3.6	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	303	324	2	99	353	6	10	999	99	99	999	99	99	47	999	999	4.5	39.5	17.4	7.9	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	303	329	3	99	352	7	11	999	99	99	999	99	99	50	999	999	1.6	28.4	12.5	4.2	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	303	324	2	99	352	7	12	999	99	99	999	99	99	49	999	999	1.6	35.3	15.6	1.8	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	303	327	2	99	351	6	9	999	99	99	999	99	99	48	999	999	1.8	37.2	16.4	1.7	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	303	323	2	99	351	6	8	999	99	99	999	99	99	47	999	999	1.5	21.2	9.3	12.1	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	303	326	2	99	351	7	11	999	99	99	999	99	99	47	999	999	1.1	26.6	11.7	3.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	303	322	3	99	348	7	11	999	99	99	999	99	99	47	999	999	.8	25.4	11.2	3.5	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	303	327	2	99	353	6	11	999	99	99	999	99	99	47	999	999	.9	25.7	11.3	3.6	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	303	328	3	99	350	6	8	999	99	99	999	99	99	47	999	999	.5	24.2	10.7	3.3	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	303	330	2	99	350	6	9	999	99	99	999	99	99	47	999	999	.9	25.5	11.3	3.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	303	316	2	99	352	7	9	999	99	99	999	99	99	47	999	999	.7	22.5	9.9	5.2	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	303	320	3	99	350	7	9	999	99	99	999	99	99	47	999	999	.9	23.4	10.3	5.2	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	303	321	2	99	352	7	10	999	99	99	999	99	99	47	999	999	.9	23.4	10.3	5.2	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	303	321	2	99	349	7	11	999	99	99	999	99	99	47	999	999	.7	22.7	10.0	5.0	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	303	318	3	99	349	7	10	999	99	99	999	99	99	46	999	999	.3	21.3	9.4	4.6	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	650	5	303	332	3	99	351	7	10	999	99	99	999	99	99	46	999	999	1.4	25.7	11.3	5.3	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	303	322	2	99	348	6	10	999	99	99	999	99	99	46	999	999	1.0	24.6	10.9	4.6	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	303	318	2	99	348	6	9	999	99	99	999	99	99	46	999	999	.5	21.3	9.4	5.4	47	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	303	327	3	99	349	7	9	999	99	99	999	99	99	46	999	999	.5	23.2	10.2	3.9	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	303	320	3	99	350	8	10	999	99	99	999	99	99	47	999	999	.4	22.9	10.1	3.8	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	303	324	3	99	347	7	10	999	99	99	999	99	99	47	999	999	.5	23.7	10.4	3.6	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	303	331	2	99	348	8	11	999	99	99	999	99	99	47	999	999	.7	22.7	10.0	5.0	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	303	321	3	99	354	8	12	999	99	99	999	99	99	47	999	999	.7	23.3	10.3	4.5	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	303	327	3	99	351	8	11	999	99	99	999	99	99	47	999	999	.4	22.9	10.1	3.8	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	303	325	3	99	350	8	12	999	99	99	999	99	99	47	999	999	.7	23.4	10.3	4.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	303	324	3	99	351	8	12	999	99	99	999	99	99	46	999	999	1.1	26.8	11.8	3.6	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	303	327	3	99	351	7	13	999	99	99	999	99	99	46	999	999	1.1	23.3	10.3	6.2	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	303	322	2	99	351	6	11	999	99	99	999	99	99	46	999	999	.9	20.5	9.0	8.7	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	303	324	2	99	351	6	10	999	99	99	999	99	99	46	999	999	1.0	27.5	12.1	3.0	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	303	316	2	99	348	6	10	999	99	99	999	99	99	45	999	999	1.0	24.9	11.0	4.4	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	303	319	2	99	351	7	11	999	99	99	999	99	99	45	999	999	1.1	25.3	11.1	4.5	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	303	323	3	99	350	7	11	999	99	99	999	99	99	45	999	999	1.0	27.3	12.0	3.1	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	303	324	3	99	352	8	12	999	99	99	999	99	99	45	999	999	.5	22.8	10.0	4.2	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	303	321	3	99	351	7	11	999	99	99	999	99	99	45	999	999	.3	22.7	10.0	3.6	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	303	322	3	99	350	7	12	999	99	99	999	99	99	46	999	999	-0.2	19.5	8.6	4.2	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	303	329	3	99	351	7	12	999	99	99	999	99	99	49	999	999	-0.5	17.4	7.6	5.1	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	303	328	3	99	351	7	11	999	99	99	999	99	99	52	999	999	-0.9	14.7	6.5	6.7	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	303	326	4	99	349	8	13	999	99	99	999	99	99	54	999	999	-1.2	13.3	5.9	7.4	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	303	324	4	99	349	9	12	999	99	99	999	99	99	56	999	999	-1.5	12.8	5.6	6.5	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	303	337	4	99	354	8	15	999	99	99	999	99	99	58	999	999	-1.2	12.6	5.6	9.1	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	303	343	5	99	354	9	16	999	99	99	999	99	99	59	999	999	-1.5	11.1	4.9	11.2	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	303	342	5	99	349	8	16	999	99	99	999	99	99	60	999	999	-1.3	13.3	5.8	6.8	59	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR	54 FT SPD (295)	54 FT GST	162 FT DIR	162 FT SPD (394)	162 FT GST	204 FT DIR	204 FT SPD (492)	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	303	336	5	99	352	10	17	999	99	99	999	99	99	61	999	999	*1.7	11.2	4.9	8.8	59	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	303	356	5	99	5	8	17	999	99	99	999	99	99	62	999	999	*1.7	10.8	4.8	10.1	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	303	355	5	99	5	8	14	999	99	99	999	99	99	62	999	999	*1.7	12.4	5.5	5.9	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	303	353	5	99	8	8	15	999	99	99	999	99	99	62	999	999	*2.0	13.5	5.9	3.1	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	303	7	4	99	17	7	13	999	99	99	999	99	99	63	999	999	*1.7	11.9	5.3	6.9	61	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	303	349	4	99	359	7	13	999	99	99	999	99	99	62	999	999	*1.1	12.7	5.6	9.7	61	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	303	350	4	99	5	7	13	999	99	99	999	99	99	62	999	999	*1.3	13.3	5.9	6.7	61	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	303	354	4	99	5	7	13	999	99	99	999	99	99	61	999	999	*0.5	13.9	6.1	12.1	61	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	303	352	3	99	5	6	11	999	99	99	999	99	99	60	999	999	.1	19.5	8.6	5.5	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	303	352	3	99	3	6	10	999	99	99	999	99	99	59	999	999	.8	23.5	10.4	4.7	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	303	345	2	99	999	5	9	999	99	99	999	99	99	57	999	999	1.9	27.4	12.1	6.0	59	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	303	348	1	99	999	99	7	999	99	99	999	99	99	52	999	999	3.9	37.1	16.4	7.0	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	303	339	1	99	999	99	6	999	99	99	999	99	99	46	999	999	8.8	51.6	22.7	6.5	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	303	999	99	99	999	99	6	999	99	99	999	99	99	42	999	999	10.7	56.7	25.0	4.5	53	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	308	314	3	99	323	6	7	999	99	99	999	99	99	48	999	999	4,2	41,6	18,3	5,4	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	308	277	3	99	307	6	8	999	99	99	999	99	99	47	999	999	5,0	34,1	15,0	18,6	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	308	288	3	99	312	8	9	999	99	99	999	99	99	48	999	999	4,7	53,7	23,7	2,7	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	308	285	4	99	313	8	9	999	99	99	999	99	99	47	999	999	5,1	65,2	28,7	1,6	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	308	282	3	99	312	8	9	999	99	99	999	99	99	46	999	999	5,3	73,9	32,6	,9	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	308	297	4	99	317	8	11	999	99	99	999	99	99	46	999	999	4,9	41,1	18,1	8,5	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	308	302	4	99	316	8	11	999	99	99	999	99	99	46	999	999	2,9	33,8	14,9	5,3	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	308	301	4	99	321	8	10	999	99	99	999	99	99	46	999	999	2,4	33,5	14,8	3,9	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	308	303	4	99	323	8	14	999	99	99	999	99	99	46	999	999	2,1	34,3	15,1	2,9	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	308	294	3	99	319	7	10	999	99	99	999	99	99	45	999	999	2,5	33,3	14,7	4,3	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	308	290	3	99	312	7	9	999	99	99	999	99	99	43	999	999	3,1	34,3	15,1	5,7	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	308	300	4	99	319	9	12	999	99	99	999	99	99	43	999	999	2,6	36,2	16,0	3,3	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	308	311	6	99	326	10	17	999	99	99	999	99	99	45	999	999	1,2	22,1	9,7	8,2	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	308	321	7	99	333	12	17	999	99	99	999	99	99	48	999	999	,1	19,4	8,5	5,6	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	308	320	8	99	330	11	14	999	99	99	999	99	99	47	999	999	,1	21,4	9,4	3,8	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	308	324	9	99	333	12	16	999	99	99	999	99	99	48	999	999	0	24,1	10,6	2,2	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	308	322	9	99	335	12	16	999	99	99	999	99	99	48	999	999	0	25,8	11,4	1,7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	308	324	8	99	333	12	15	999	99	99	999	99	99	48	999	999	*0,1	24,9	11,0	1,8	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	308	326	8	99	332	12	17	999	99	99	999	99	99	48	999	999	0	24,1	10,6	2,2	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	308	320	7	99	330	12	15	999	99	99	999	99	99	48	999	999	*0,1	23,1	10,2	2,4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	308	312	6	99	328	10	14	999	99	99	999	99	99	48	999	999	0	20,2	8,9	4,4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	650	5	308	290	4	99	317	7	11	999	99	99	999	99	99	47	999	999	,5	17,4	7,7	12,0	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	308	293	4	99	316	8	12	999	99	99	999	99	99	45	999	999	1,2	19,2	8,5	14,2	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	308	298	5	99	312	9	12	999	99	99	999	99	99	45	999	999	,1	22,8	10,0	3,0	45	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT (295) DIR	54 FT (295) SPD	54 FT (295) GST	162 FT (394) DIR	162 FT (394) SPD	162 FT (394) GST	204 FT (492) DIR	204 FT (492) SPD	204 FT (492) GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	308	297	6	99	315	10	12	999	99	99	999	99	99	46	999	999	0	22,3	9,8	3,0	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	308	297	5	99	317	10	13	999	99	99	999	99	99	45	999	999	,1	23,0	10,1	2,9	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	308	293	5	99	312	9	12	999	99	99	999	99	99	45	999	999	0	22,7	10,0	2,8	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	308	293	5	99	312	9	12	999	99	99	999	99	99	45	999	999	0	23,6	10,4	2,4	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	308	293	5	99	314	10	12	999	99	99	999	99	99	45	999	999	,2	24,2	10,7	2,6	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	308	297	6	99	312	10	12	999	99	99	999	99	99	45	999	999	,1	24,4	10,8	2,3	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	308	297	5	99	314	10	13	999	99	99	999	99	99	45	999	999	0	21,3	9,4	3,6	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	308	299	5	99	317	9	13	999	99	99	999	99	99	45	999	999	0	22,7	10,0	2,8	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	308	310	6	99	326	9	14	999	99	99	999	99	99	47	999	999	0	21,7	9,6	3,3	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	308	317	7	99	330	10	15	999	99	99	999	99	99	48	999	999	-0,3	22,1	9,7	2,4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	308	305	5	99	320	9	12	999	99	99	999	99	99	46	999	999	0	27,1	12,0	1,4	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	308	307	6	99	321	9	13	999	99	99	999	99	99	45	999	999	-0	23,6	10,4	2,4	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	308	302	6	99	317	10	14	999	99	99	999	99	99	45	999	999	-0,2	27,6	12,2	,8	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	308	300	5	99	315	9	13	999	99	99	999	99	99	44	999	999	-0,2	25,1	11,0	1,6	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	308	305	5	99	318	9	13	999	99	99	999	99	99	44	999	999	-0	22,5	9,9	2,9	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	308	305	6	99	319	9	12	999	99	99	999	99	99	44	999	999	-0,4	24,8	10,9	1,4	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	308	305	6	99	319	9	13	999	99	99	999	99	99	46	999	999	-1,0	22,4	9,9	1,2	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	308	312	7	99	324	9	13	999	99	99	999	99	99	49	999	999	-1,8	12,2	5,4	5,6	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	308	324	8	99	333	10	15	999	99	99	999	99	99	52	999	999	-2,2	11,9	5,2	4,1	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	308	321	8	99	331	10	16	999	99	99	999	99	99	55	999	999	-2,5	10,9	4,8	4,1	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	308	325	8	99	333	10	16	999	99	99	999	99	99	57	999	999	-2,8	8,6	3,8	7,2	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	308	323	10	99	334	12	18	999	99	99	999	99	99	57	999	999	-3,1	8,3	3,7	5,8	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	308	329	10	99	338	13	18	999	99	99	999	99	99	58	999	999	-3,2	7,6	3,4	7,0	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	308	332	11	99	341	13	19	999	99	99	999	99	99	59	999	999	-3,3	8,9	3,9	3,4	56	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	308	343	9	99	352	11	19	999	99	99	999	99	99	60	999	999	-3.3	7.1	3.1	8.3	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	308	350	9	99	1	10	19	999	99	99	999	99	99	60	999	999	-3.0	8.3	3.7	6.5	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	308	999	9	99	9	11	18	999	99	99	999	99	99	60	999	999	-2.8	8.7	3.8	6.8	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	308	355	9	99	3	10	17	999	99	99	999	99	99	60	999	999	-2.7	7.8	3.4	12.1	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	308	3	8	99	11	9	16	999	99	99	999	99	99	60	999	999	-2.5	8.7	3.8	10.0	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	308	352	7	99	3	8	14	999	99	99	999	99	99	60	999	999	-2.4	7.9	3.5	15.7	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	308	7	7	99	12	9	14	999	99	99	999	99	99	59	999	999	-2.1	11.1	4.9	6.0	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	308	353	7	99	1	8	12	999	99	99	999	99	99	59	999	999	-1.8	10.9	4.8	8.8	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	308	358	7	99	6	8	15	999	99	99	999	99	99	58	999	999	-1.4	11.0	4.9	12.6	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	308	341	6	99	351	6	10	999	99	99	999	99	99	58	999	999	-1.3	13.6	6.0	6.1	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	308	340	5	99	348	6	9	999	99	99	999	99	99	57	999	999	-0.7	18.1	8.0	3.6	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	308	319	3	99	336	6	7	999	99	99	999	99	99	54	999	999	1.0	20.8	9.2	8.8	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	308	324	4	99	341	7	8	999	99	99	999	99	99	51	999	999	3.2	39.0	17.2	3.7	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	308	311	3	99	337	7	8	999	99	99	999	99	99	48	999	999	5.3	38.1	16.8	14.4	53	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	294 FT DIR (492)	294 FT SPD	294 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	311	314	4	99	325	7	10	999	99	99	999	99	99	51	999	999	1.7	31.3	13.8	3.1	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	311	312	3	99	321	7	9	999	99	99	999	99	99	51	999	999	1.9	32.7	14.4	3.0	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	311	311	3	99	319	6	9	999	99	99	999	99	99	50	999	999	1.8	31.6	13.9	3.2	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	311	303	3	99	309	7	9	999	99	99	999	99	99	50	999	999	2.2	33.0	14.5	3.6	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	311	303	3	99	311	7	11	999	99	99	999	99	99	50	999	999	2.0	38.1	16.8	1.8	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	311	302	3	99	313	8	11	999	99	99	999	99	99	49	999	999	1.9	34.0	15.0	2.6	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	311	312	4	99	324	8	11	999	99	99	999	99	99	48	999	999	1.5	29.9	13.2	3.2	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	311	316	5	99	328	10	15	999	99	99	999	99	99	47	999	999	1.5	33.3	14.7	2.1	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	311	316	7	99	329	12	17	999	99	99	999	99	99	48	999	999	1.2	34.2	15.1	1.5	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	311	314	10	99	325	9	13	999	99	99	999	99	99	50	999	999	1.5	29.0	12.8	3.6	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	311	315	12	99	324	7	11	999	99	99	999	99	99	49	999	999	1.7	30.8	13.6	3.3	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	311	316	11	99	327	7	13	999	99	99	999	99	99	47	999	999	2.0	33.6	14.8	2.9	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	311	315	14	99	329	12	16	999	99	99	999	99	99	53	999	999	1.4	28.6	12.6	3.5	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	311	321	21	99	332	12	15	999	99	99	999	99	99	50	999	999	1.4	27.8	12.3	3.9	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	311	324	9	99	333	12	15	999	99	99	999	99	99	50	999	999	1.6	27.4	12.1	4.8	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	311	318	23	99	334	12	15	999	99	99	999	99	99	58	999	999	1.4	27.0	11.9	4.4	59	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	311	312	17	99	334	12	16	999	99	99	999	99	99	53	999	999	1.3	25.7	11.3	4.9	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	311	317	37	99	333	13	15	999	99	99	999	99	99	50	999	999	1.4	28.0	12.3	3.8	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	311	315	11	99	331	12	15	999	99	99	999	99	99	53	999	999	1.4	27.8	12.3	3.9	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	311	313	14	99	328	12	14	999	99	99	999	99	99	57	999	999	1.2	26.8	11.8	3.9	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	311	312	22	99	327	13	15	999	99	99	999	99	99	47	999	999	1.3	30.9	13.6	2.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	650	5	311	317	23	99	330	11	15	999	99	99	999	99	99	47	999	999	1.3	31.6	13.9	2.2	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	311	313	24	99	330	11	15	999	99	99	999	99	99	47	999	999	1.2	31.8	14.0	2.0	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	311	311	25	99	325	11	14	999	99	99	999	99	99	52	999	999	1.2	27.9	12.3	3.3	53	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	311	312	29	99	325	11	14	999	99	99	999	99	99	44	999	999	1,1	30,8	13,6	2,1	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	311	310	19	99	323	10	13	999	99	99	999	99	99	52	999	999	1,2	33,1	14,6	1,7	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	311	313	22	99	327	10	13	999	99	99	999	99	99	49	999	999	1,2	31,4	13,8	2,1	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	311	309	20	99	325	11	15	999	99	99	999	99	99	49	999	999	1,2	32,2	14,2	1,9	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	311	311	28	99	327	11	14	999	99	99	999	99	99	44	999	999	1,2	35,5	15,7	1,3	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	311	311	18	99	323	11	15	999	99	99	999	99	99	50	999	999	1,2	34,8	15,4	1,4	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	311	311	23	99	326	11	16	999	99	99	999	99	99	49	999	999	1,2	34,2	15,1	1,5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	311	317	25	99	332	13	18	999	99	99	999	99	99	49	999	999	1,2	27,5	12,1	3,5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	311	317	26	99	331	13	19	999	99	99	999	99	99	52	999	999	1,3	34,3	15,1	1,6	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	311	316	25	99	332	12	17	999	99	99	999	99	99	53	999	999	1,1	30,4	13,4	2,2	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	311	319	24	99	331	12	17	999	99	99	999	99	99	53	999	999	1,8	28,8	12,7	4,6	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	311	316	32	99	331	11	15	999	99	99	999	99	99	52	999	999	2,5	42,3	18,6	1,7	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	311	314	33	99	330	10	15	999	99	99	999	99	99	52	999	999	2,1	32,0	14,1	3,8	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	311	313	30	99	327	10	14	999	99	99	999	99	99	52	999	999	3,8	41,6	18,4	4,2	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	311	307	33	99	323	9	12	999	99	99	999	99	99	53	999	999	3,7	44,3	19,5	3,1	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	311	313	36	99	327	10	14	999	99	99	999	99	99	53	999	999	3,7	42,6	18,8	3,6	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	311	312	35	99	327	10	14	999	99	99	999	99	99	59	999	999	3,2	39,3	17,3	3,6	62	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	311	317	42	99	332	9	13	999	99	99	999	99	99	57	999	999	2,8	33,4	14,7	5,2	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	311	319	40	99	334	9	14	999	99	99	999	99	99	62	999	999	2,7	33,3	14,7	4,9	65	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	311	331	50	99	339	13	16	999	99	99	999	99	99	70	999	999	3,8	40,0	17,6	4,9	74	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	311	339	55	99	337	12	18	999	99	99	999	99	99	79	999	999	7,4	54,4	24,0	5,3	86	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	311	341	14	99	341	13	17	999	99	99	999	99	99	14	999	999	18,5	81,5	36,0	,7	33	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	311	341	14	99	341	14	20	999	99	99	999	99	99	14	999	999	18,5	81,5	36,0	,5	33	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	311	341	14	99	341	14	18	999	99	99	999	99	99	14	999	999	18,5	81,5	36,0	,7	33	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
IND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	311	341	14	99	341	13	22	999	99	99	999	99	99	14	999	999	18,5	81,5	36,0	,5	33	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	311	343	95	99	344	13	18	999	99	99	999	99	99	1	999	999	13,7	61,4	27,1	3,3	15	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	311	347	55	99	353	12	20	999	99	99	999	99	99	83	999	999	6,2	51,4	22,7	6,6	89	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	311	345	65	99	346	11	17	999	99	99	999	99	99	85	999	999	8,4	61,9	27,3	3,2	93	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	311	347	51	99	353	10	15	999	99	99	999	99	99	74	999	999	5,5	50,2	22,1	5,5	80	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	311	344	54	99	348	9	15	999	99	99	999	99	99	71	999	999	4,1	37,1	16,4	7,9	75	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	311	353	49	99	356	8	13	999	99	99	999	99	99	75	999	999	4,5	40,7	17,9	7,0	80	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	311	343	49	99	350	7	11	999	99	99	999	99	99	74	999	999	4,0	36,9	16,3	7,6	78	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	311	343	49	99	352	7	12	999	99	99	999	99	99	75	999	999	4,3	43,5	19,2	4,8	79	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	311	341	50	99	345	6	9	999	99	99	999	99	99	72	999	999	5,8	55,2	24,3	4,5	78	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	311	332	54	99	342	6	9	999	99	99	999	99	99	70	999	999	3,4	42,6	18,8	3,0	73	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	311	323	45	99	336	5	7	999	99	99	999	99	99	68	999	999	3,7	41,0	18,1	4,2	72	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	311	330	42	99	341	7	8	999	99	99	999	99	99	69	999	999	3,8	42,2	18,6	4,0	73	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	311	328	45	99	342	6	7	999	99	99	999	99	99	72	999	999	5,8	49,8	21,9	6,7	78	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	313	295	3	6	305	8	9	307	13	14	320	14	16	47	38	36	3.5	39.9	17.6	4.1	51	57
									319	14	15	316	14	16	307	15	17									
74	12	10	30	30	313	300	3	5	301	8	10	310	14	15	323	15	17	47	38	38	3.4	37.7	16.6	4.8	50	62
									324	16	17	322	16	17	313	15	18									
74	12	10	100	30	313	290	3	5	301	8	10	305	12	14	318	14	16	47	39	38	3.1	34.0	15.0	5.9	50	63
									318	16	17	317	16	18	309	17	19									
74	12	10	130	30	313	297	3	6	289	8	10	302	13	15	316	14	17	45	38	38	5.1	40.3	17.8	10.3	50	63
									318	16	19	317	17	19	309	18	20									
74	12	10	200	30	313	289	4	7	292	9	11	301	13	14	315	15	17	48	39	37	1.9	30.4	13.4	4.0	50	61
									317	16	18	315	17	20	307	18	20									
74	12	10	230	30	313	293	4	8	293	9	12	304	13	15	318	15	16	47	38	37	1.7	28.1	12.4	4.7	49	64
									321	17	20	321	18	21	314	19	24									
74	12	10	300	30	313	306	4	7	307	10	13	311	16	19	324	18	22	44	37	36	3.5	45.4	20.0	2.5	48	64
									326	20	24	324	22	25	318	22	25									
74	12	10	330	30	313	308	6	9	307	12	15	310	19	22	324	22	24	44	36	34	1.9	36.4	16.0	2.0	46	63
									328	23	26	329	23	25	321	25	27									
74	12	10	400	30	313	305	6	9	305	11	15	311	17	20	327	19	21	45	36	34	.9	24.0	10.6	4.7	46	63
									333	20	23	333	20	23	326	23	26									
74	12	10	430	30	313	306	5	6	305	10	13	310	17	19	325	20	22	44	35	33	1.7	28.9	12.7	4.2	46	61
									329	21	24	328	23	25	321	24	26									
74	12	10	500	30	313	300	4	6	309	9	12	308	14	19	323	17	21	42	34	33	2.2	32.5	14.3	3.8	44	64
									325	20	24	325	23	25	321	24	26									
74	12	10	530	30	313	304	4	8	307	10	15	310	16	20	325	18	22	41	34	33	3.6	35.9	15.8	6.6	45	63
									329	20	24	330	22	24	325	24	26									
74	12	10	600	30	313	306	6	9	305	12	15	317	17	19	333	20	23	42	34	32	1.5	28.0	12.3	4.1	44	64
									339	22	24	338	21	24	331	24	27									
74	12	10	610	5	313	312	6	8	305	12	14	318	18	19	334	21	23	42	34	33	1.5	27.2	12.0	4.6	44	66
									339	23	25	338	23	24	330	26	27									
74	12	10	615	5	313	310	6	9	304	11	14	317	18	19	334	21	23	42	34	33	1.5	29.0	12.8	3.6	44	66
									339	23	25	337	23	26	330	26	28									
74	12	10	620	5	313	308	6	8	304	11	14	315	18	19	333	21	22	42	34	33	1.1	31.6	13.9	1.9	43	67
									338	23	25	338	24	26	330	26	27									
74	12	10	625	5	313	307	5	7	304	11	13	317	18	19	333	21	22	42	34	33	1.0	29.8	13.1	2.2	43	67
									339	23	24	338	24	24	330	26	27									
74	12	10	630	5	313	309	5	7	302	10	13	316	18	19	333	21	21	42	35	33	1.1	33.0	14.6	1.6	43	67
									338	23	24	336	23	24	329	25	25									
74	12	10	635	5	313	307	5	8	303	11	13	315	18	19	332	21	22	42	35	33	1.2	32.2	14.2	1.9	43	67
									337	23	24	336	23	24	329	24	25									
74	12	10	640	5	313	308	5	7	302	11	13	315	18	19	332	21	22	42	34	32	1.2	34.8	15.4	1.4	43	64
									337	24	24	335	23	24	328	24	25									
74	12	10	645	5	313	301	5	7	299	10	12	314	18	19	330	22	23	42	34	32	1.5	31.2	13.7	2.7	44	64
									338	24	26	332	23	24	327	25	26									
74	12	10	650	5	313	304	4	7	300	10	12	312	19	19	329	22	23	42	34	32	1.3	30.0	13.2	2.7	43	64
									336	25	26	332	24	25	326	25	26									
74	12	10	655	5	313	306	5	6	302	11	12	311	18	19	329	22	22	42	34	32	1.2	29.4	13.0	2.7	43	64
									336	25	26	334	25	25	326	25	26									
74	12	10	715	5	313	309	4	7	305	9	12	310	17	19	327	21	22	41	33	31	.8	28.6	12.6	2.2	42	65
									336	26	27	335	24	25	329	25	26									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT (295) DIR	54 FT (295) SPD	54 FT (295) GST	162 FT (394) DIR	162 FT (394) SPD	162 FT (394) GST	204 FT (492) DIR	204 FT (492) SPD	204 FT (492) GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	313	312	5	7	307	10	12	312	18	19	328	22	23	41	33	32	.8	27.4	12.1	2.6	42	68
									337	26	27	337	24	25	330	25	26									
74	12	10	725	5	313	311	6	9	306	10	13	313	18	19	329	22	23	42	33	32	.9	27.2	12.0	2.9	43	65
									337	25	26	335	24	24	328	25	25									
74	12	10	730	5	313	306	6	9	308	11	13	314	19	20	330	22	23	42	34	32	.8	28.0	12.3	2.4	43	65
									337	25	26	335	23	24	328	24	25									
74	12	10	735	5	313	309	6	10	304	12	14	312	19	20	328	22	23	42	33	31	.9	29.9	13.2	2.0	43	62
									334	24	25	335	23	23	329	24	25									
74	12	10	740	5	313	312	6	8	304	11	15	312	19	21	328	22	24	42	33	31	.6	27.5	12.1	2.2	43	63
									335	25	26	334	23	24	329	24	25									
74	12	10	745	5	313	303	5	9	304	11	14	310	19	20	326	22	23	42	33	31	.7	25.1	11.0	3.4	43	63
									333	25	26	333	23	24	328	24	25									
74	12	10	800	30	313	307	5	9	304	11	14	310	18	20	326	22	23	42	33	31	.6	25.4	11.2	3.0	43	63
									333	25	27	333	23	24	328	24	24									
74	12	10	830	30	313	311	6	11	308	12	17	311	19	23	327	22	25	43	32	30	.4	30.2	13.3	1.3	43	59
									333	26	27	333	23	25	327	24	25									
74	12	10	900	30	313	314	7	11	309	12	17	312	20	22	327	23	25	44	32	30	0	22.1	9.7	3.1	44	58
									334	25	27	332	24	25	326	24	26									
74	12	10	930	30	313	315	7	10	312	12	16	313	19	21	327	22	24	43	31	29	.1	25.0	11.0	2.1	43	57
									334	25	27	333	23	25	328	24	26									
74	12	10	1000	30	313	315	6	10	311	12	15	310	18	21	324	21	23	42	31	29	.1	24.1	10.6	2.4	42	59
									333	25	27	332	23	24	326	23	24									
74	12	10	1030	30	313	314	5	8	311	10	14	310	17	19	325	20	22	41	31	30	.4	26.3	11.6	2.2	41	64
									333	25	26	332	22	24	327	22	24									
74	12	10	1100	30	313	313	5	8	310	10	13	310	17	19	325	20	22	41	32	30	.8	30.6	13.5	1.7	42	63
									333	25	27	332	22	24	328	22	23									
74	12	10	1130	30	313	306	4	8	304	9	12	308	16	20	323	19	22	40	31	30	1.2	23.0	10.1	7.0	41	64
									332	23	25	332	21	23	329	20	22									
74	12	10	1200	30	313	298	3	7	300	9	12	306	14	16	322	17	19	39	32	31	1.8	31.4	13.8	3.3	41	68
									329	21	23	333	21	24	328	20	22									
74	12	10	1230	30	313	304	4	6	302	9	12	307	15	17	324	18	21	39	33	32	1.7	29.7	13.1	3.8	41	71
									331	22	24	334	21	24	330	20	23									
74	12	10	1300	30	313	308	5	8	302	10	13	307	15	19	322	18	20	42	35	33	0	19.6	8.7	4.9	42	70
									330	22	24	333	21	23	331	21	22									
74	12	10	1330	30	313	315	6	10	308	9	13	311	13	17	324	15	18	46	37	35	-1.4	16.4	7.2	2.7	45	69
									331	18	22	336	20	22	337	21	22									
74	12	10	1400	30	313	319	7	11	312	10	19	314	11	18	328	13	18	50	38	37	-1.8	12.7	5.6	4.8	48	65
									330	14	19	333	16	21	333	19	23									
74	12	10	1430	30	313	323	9	17	316	13	19	317	14	19	330	16	20	52	40	38	-2.2	12.0	5.3	4.0	50	64
									333	16	20	333	16	21	332	17	22									
74	12	10	1500	30	313	321	8	14	314	12	18	317	13	19	331	14	19	53	42	40	-2.7	9.7	4.3	5.1	50	68
									335	13	18	334	14	19	330	15	20									
74	12	10	1530	30	313	329	9	14	320	13	19	321	13	18	334	14	18	55	43	41	-2.8	9.3	4.1	5.3	52	65
									336	15	19	336	15	20	331	16	20									
74	12	10	1600	30	313	322	9	15	317	14	19	320	14	20	335	16	20	55	43	41	-3.1	9.1	4.0	4.1	52	66
									338	16	20	338	15	20	333	16	20									
74	12	10	1630	30	313	327	10	14	319	15	20	323	15	19	337	17	21	57	44	42	-3.3	9.2	4.1	3.0	54	64
									341	17	20	341	17	20	337	17	21									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	313	334	9	15	327	13	19	329	14	19	342	15	20	58	43	41	-3.4	6.8	3.0	8.4	55	60
									344	15	19	346	15	19	341	15	19									
74	12	10	1730	30	313	353	9	15	315	10	19	345	13	17	348	14	19	59	41	39	-3.5	6.7	3.0	7.9	56	54
									313	11	18	352	14	17	345	14	19									
74	12	10	1800	30	313	347	8	15	341	12	17	342	12	17	340	13	18	59	41	39	-3.5	6.4	2.8	9.2	56	54
									283	12	18	350	13	17	345	13	17									
74	12	10	1830	30	313	345	8	13	338	12	17	338	12	15	334	13	17	59	42	40	-3.3	7.7	3.4	6.1	56	55
									275	12	16	346	12	16	344	12	16									
74	12	10	1900	30	313	347	8	14	336	10	16	342	11	15	342	13	16	58	42	40	-3.1	7.5	3.3	8.4	55	57
									285	11	17	350	12	17	346	12	16									
74	12	10	1930	30	313	342	8	13	336	10	15	334	10	15	333	12	16	59	42	39	-3.2	8.7	3.8	4.2	56	53
									275	12	16	346	12	15	345	12	17									
74	12	10	2000	30	313	347	8	14	316	8	15	338	9	13	346	11	14	58	40	38	-2.5	9.7	4.3	6.3	56	52
									317	9	15	351	11	14	348	11	15									
74	12	10	2030	30	313	343	8	11	341	10	15	335	9	15	334	11	16	58	40	38	-2.2	9.9	4.4	8.3	56	51
									275	11	14	347	10	14	345	10	15									
74	12	10	2100	30	313	345	7	11	341	9	13	337	8	11	336	10	13	58	40	38	-2.1	10.3	4.6	7.8	56	51
									275	10	12	351	9	12	350	9	12									
74	12	10	2130	30	313	337	6	9	335	8	11	331	7	11	332	9	12	58	41	39	-1.9	10.9	4.8	8.0	56	53
									275	9	11	348	8	12	348	8	12									
74	12	10	2200	30	313	333	5	8	331	8	9	330	7	9	330	9	11	56	41	39	-1.0	14.0	6.2	7.3	55	55
									275	9	10	348	8	10	348	8	10									
74	12	10	2230	30	313	310	4	5	330	7	8	335	7	9	336	9	11	52	41	40	1.6	21.6	9.5	12.0	54	60
									275	9	10	351	9	10	351	9	10									
74	12	10	2300	30	313	303	3	4	336	8	9	338	8	8	339	9	11	48	41	41	5.3	40.1	17.7	11.8	53	63
									275	9	10	356	9	11	357	9	11									
74	12	10	2330	30	313	293	3	4	349	7	8	349	7	9	350	9	11	43	39	41	9.9	41.3	18.2	15.4	53	64
									275	9	10	8	9	10	8	9	11									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	FT RH
74	12	10	0	30	403	310	3	99	295	6	8	999	99	99	999	99	99	51	999	999	.7	31.5	13.9	1.4	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	403	303	4	99	287	7	10	999	99	99	999	99	99	51	999	999	.7	26.6	11.7	2.7	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	403	304	4	99	288	7	9	999	99	99	999	99	99	51	999	999	.5	25.8	11.4	2.6	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	403	305	4	99	291	7	9	999	99	99	999	99	99	50	999	999	.7	27.4	12.1	2.4	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	403	309	3	99	293	6	9	999	99	99	999	99	99	50	999	999	.8	26.0	11.5	3.2	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	403	313	3	99	297	6	9	999	99	99	999	99	99	50	999	999	.9	24.0	10.6	4.7	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	403	322	5	99	308	8	12	999	99	99	999	99	99	50	999	999	.6	28.9	12.8	1.8	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	403	326	6	99	311	9	12	999	99	99	999	99	99	49	999	999	.4	26.3	11.6	2.2	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	403	324	7	99	311	10	14	999	99	99	999	99	99	49	999	999	.3	30.8	13.6	.9	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	403	326	6	99	313	9	14	999	99	99	999	99	99	48	999	999	.3	22.0	9.7	4.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	403	324	5	99	311	8	12	999	99	99	999	99	99	47	999	999	.4	26.3	11.6	2.2	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	403	325	6	99	312	9	16	999	99	99	999	99	99	47	999	999	.4	27.0	11.9	2.0	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	403	323	7	99	309	10	15	999	99	99	999	99	99	47	999	999	.3	28.0	12.3	1.6	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	403	324	6	99	311	9	13	999	99	99	999	99	99	47	999	999	.4	29.6	13.0	1.4	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	403	324	8	99	309	10	14	999	99	99	999	99	99	48	999	999	.3	29.5	13.0	1.3	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	403	323	6	99	311	9	13	999	99	99	999	99	99	47	999	999	.4	31.5	13.9	1.1	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	403	324	7	99	309	10	13	999	99	99	999	99	99	46	999	999	.4	31.5	13.9	1.1	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	403	326	7	99	312	10	14	999	99	99	999	99	99	46	999	999	.3	29.5	13.0	1.3	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	403	321	7	99	311	11	14	999	99	99	999	99	99	47	999	999	.3	26.8	11.8	1.9	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	403	323	8	99	313	11	14	999	99	99	999	99	99	47	999	999	.2	26.2	11.6	1.9	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	403	326	7	99	309	10	13	999	99	99	999	99	99	45	999	999	.2	25.5	11.3	2.1	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	650	5	403	326	7	99	315	11	13	999	99	99	999	99	99	46	999	999	.3	25.8	11.4	2.2	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	403	324	7	99	309	10	15	999	99	99	999	99	99	47	999	999	.2	25.2	11.1	2.2	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	403	319	6	99	312	10	13	999	99	99	999	99	99	47	999	999	.4	25.5	11.2	2.5	47	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	403	324	7	99	312	10	15	999	99	99	999	99	99	47	999	999	.4	26.7	11.7	2.1	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	403	326	8	99	313	11	15	999	99	99	999	99	99	45	999	999	.4	25.8	11.4	2.4	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	403	324	7	99	312	11	16	999	99	99	999	99	99	46	999	999	.3	25.5	11.2	2.3	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	403	327	8	99	310	10	14	999	99	99	999	99	99	47	999	999	.3	24.4	10.8	2.7	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	403	324	8	99	314	11	15	999	99	99	999	99	99	47	999	999	.4	25.2	11.1	2.6	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	403	324	8	99	314	12	15	999	99	99	999	99	99	45	999	999	.3	28.5	12.5	1.5	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	403	326	8	99	313	11	15	999	99	99	999	99	99	46	999	999	.3	26.8	11.8	1.9	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	403	325	8	99	313	12	17	999	99	99	999	99	99	46	999	999	.3	26.8	11.8	1.9	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	403	324	8	99	313	11	17	999	99	99	999	99	99	46	999	999	.3	27.1	12.0	1.8	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	403	324	7	99	312	10	15	999	99	99	999	99	99	45	999	999	.4	26.7	11.7	2.1	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	403	324	6	99	313	9	14	999	99	99	999	99	99	46	999	999	.3	29.0	12.8	1.4	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	403	323	7	99	309	10	14	999	99	99	999	99	99	45	999	999	.3	25.2	11.1	2.4	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	403	325	6	99	313	10	15	999	99	99	999	99	99	45	999	999	.3	27.1	12.0	1.8	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	403	321	6	99	309	10	13	999	99	99	999	99	99	45	999	999	.3	28.0	12.3	1.6	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	403	323	7	99	312	10	13	999	99	99	999	99	99	45	999	999	.3	24.9	11.0	2.5	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	403	325	7	99	313	10	15	999	99	99	999	99	99	45	999	999	.2	27.0	11.9	1.7	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	403	326	7	99	312	10	15	999	99	99	999	99	99	45	999	999	-0	21.9	9.7	3.2	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	403	335	6	99	318	9	16	999	99	99	999	99	99	47	999	999	-0.3	15.9	7.0	8.5	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	403	338	6	99	322	8	12	999	99	99	999	99	99	48	999	999	-0.5	22.4	9.9	1.9	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	403	330	6	99	314	8	12	999	99	99	999	99	99	50	999	999	-0.7	17.9	7.9	3.8	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	403	329	6	99	314	8	11	999	99	99	999	99	99	51	999	999	-1.0	19.1	8.4	2.2	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	403	330	6	99	315	7	10	999	99	99	999	99	99	53	999	999	-1.0	16.1	7.1	4.3	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	403	338	7	99	325	8	12	999	99	99	999	99	99	54	999	999	-1.0	14.0	6.2	7.4	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	403	341	7	99	330	9	13	999	99	99	999	99	99	56	999	999	-0.9	16.8	7.4	4.0	55	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	403	350	7	99	337	10	14	999	99	99	999	99	99	56	999	999	-0.9	17.7	7.8	3.3	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	403	354	7	99	338	9	13	999	99	99	999	99	99	57	999	999	-0.9	13.9	6.1	8.4	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	403	349	7	99	338	9	14	999	99	99	999	99	99	56	999	999	-0.9	15.7	6.9	5.2	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	403	352	6	99	336	8	12	999	99	99	999	99	99	56	999	999	-1.1	17.7	7.8	2.7	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	403	353	6	99	337	8	12	999	99	99	999	99	99	56	999	999	-1.0	15.5	6.8	5.0	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	403	354	6	99	340	7	11	999	99	99	999	99	99	56	999	999	-1.1	15.2	6.7	4.9	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	403	356	6	99	342	7	10	999	99	99	999	99	99	55	999	999	-0.6	15.7	6.9	6.9	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	403	346	5	99	334	7	10	999	99	99	999	99	99	55	999	999	-0.6	20.4	9.0	2.5	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	403	358	5	99	343	7	10	999	99	99	999	99	99	55	999	999	-0.4	16.3	7.2	7.2	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	403	353	4	99	341	6	9	999	99	99	999	99	99	54	999	999	-0.2	17.6	7.8	6.3	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	403	348	4	99	337	5	8	999	99	99	999	99	99	54	999	999	0	19.2	8.5	5.3	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	403	345	3	99	335	6	7	999	99	99	999	99	99	52	999	999	.7	24.4	10.7	3.8	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	403	347	3	99	335	6	7	999	99	99	999	99	99	51	999	999	1.2	31.8	14.0	2.0	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	403	339	2	99	328	6	7	999	99	99	999	99	99	50	999	999	1.4	27.8	12.3	3.9	51	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	SPD	GST	54 FT DIR (295)	SPD	GST	162 FT DIR (394)	SPD	GST	204 FT DIR (492)	SPD	GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	RH
74	12	10	0	30	412	294	2	99	313	6	7	999	99	99	999	99	99	48	999	999	3.8	33.0	14.5	10.4	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	412	283	2	99	309	6	7	999	99	99	999	99	99	49	999	999	3.2	30.7	13.6	9.3	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	412	283	2	99	302	5	7	999	99	99	999	99	99	48	999	999	3.4	40.9	18.0	3.5	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	412	277	2	99	298	5	7	999	99	99	999	99	99	48	999	999	3.7	47.9	21.1	2.3	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	412	274	2	99	298	6	7	999	99	99	999	99	99	46	999	999	5.0	42.8	18.9	7.7	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	412	288	3	99	305	6	9	999	99	99	999	99	99	45	999	999	4.5	36.6	16.1	10.6	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	412	295	3	99	307	7	9	999	99	99	999	99	99	45	999	999	3.7	36.2	15.9	6.8	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	412	300	3	99	314	8	10	999	99	99	999	99	99	44	999	999	3.6	42.6	18.8	3.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	412	294	3	99	313	7	9	999	99	99	999	99	99	44	999	999	3.5	34.6	15.3	7.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	412	277	2	99	308	6	8	999	99	99	999	99	99	44	999	999	3.1	34.3	15.1	5.7	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	412	282	3	99	301	6	8	999	99	99	999	99	99	42	999	999	3.9	38.3	16.9	6.2	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	412	295	3	99	308	7	9	999	99	99	999	99	99	42	999	999	3.7	39.2	17.3	5.0	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	412	301	3	99	319	9	12	999	99	99	999	99	99	41	999	999	4.4	42.1	18.6	5.8	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	412	313	4	99	323	12	14	999	99	99	999	99	99	41	999	999	3.4	34.0	15.0	7.2	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	412	304	4	99	321	12	14	999	99	99	999	99	99	41	999	999	3.5	36.2	15.9	6.0	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	412	308	4	99	318	12	13	999	99	99	999	99	99	41	999	999	3.2	41.2	18.1	3.0	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	412	307	5	99	318	11	14	999	99	99	999	99	99	42	999	999	2.8	38.8	17.1	2.9	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	412	308	4	99	319	11	13	999	99	99	999	99	99	42	999	999	2.6	38.2	16.8	2.7	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	412	305	4	99	316	10	12	999	99	99	999	99	99	42	999	999	2.4	36.2	15.9	2.9	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	412	307	5	99	315	10	12	999	99	99	999	99	99	42	999	999	2.2	42.1	18.6	1.4	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	412	303	4	99	314	10	12	999	99	99	999	99	99	43	999	999	2.1	38.8	17.1	1.8	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	412	303	4	99	313	9	13	999	99	99	999	99	99	43	999	999	2.0	37.5	16.5	1.9	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	695	5	412	298	5	99	315	10	12	999	99	99	999	99	99	43	999	999	1.8	31.4	13.8	3.3	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	412	297	5	99	311	9	13	999	99	99	999	99	99	43	999	999	1.3	29.5	13.0	2.9	44	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	102 FT DIR (394)	102 FT SPD	102 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	412	299	5	99	311	9	12	999	99	99	999	99	99	43	999	999	1.4	31.9	14.1	2.3	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	412	301	4	99	311	10	15	999	99	99	999	99	99	43	999	999	1.6	32.8	14.4	2.4	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	412	298	5	99	313	10	12	999	99	99	999	99	99	43	999	999	1.5	34.6	15.3	1.8	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	412	301	5	99	312	9	12	999	99	99	999	99	99	44	999	999	1.4	33.1	14.6	2.0	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	412	299	5	99	314	9	13	999	99	99	999	99	99	44	999	999	1.3	35.5	15.7	1.4	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	412	301	5	99	313	10	13	999	99	99	999	99	99	44	999	999	1.4	36.2	16.0	1.4	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	412	304	5	99	313	10	14	999	99	99	999	99	99	44	999	999	1.3	25.6	11.3	5.0	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	412	309	5	99	317	11	14	999	99	99	999	99	99	44	999	999	1.1	30.1	13.3	2.3	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	412	308	5	99	318	11	16	999	99	99	999	99	99	45	999	999	.9	28.6	12.6	2.4	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	412	307	5	99	318	11	15	999	99	99	999	99	99	45	999	999	1.0	31.9	14.0	1.7	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	412	308	5	99	316	11	15	999	99	99	999	99	99	44	999	999	.7	27.1	12.0	2.5	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	412	308	5	99	316	10	14	999	99	99	999	99	99	44	999	999	.8	30.1	13.3	1.8	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	412	304	4	99	314	9	14	999	99	99	999	99	99	43	999	999	1.0	31.0	13.6	1.9	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	412	296	4	99	310	8	12	999	99	99	999	99	99	43	999	999	1.2	29.7	13.1	2.6	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	412	293	4	99	307	7	10	999	99	99	999	99	99	41	999	999	1.9	32.2	14.2	3.2	43	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	412	300	4	99	311	8	11	999	99	99	999	99	99	41	999	999	1.7	31.8	14.0	2.9	43	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	412	301	4	99	313	9	13	999	99	99	999	99	99	44	999	999	.1	29.5	13.0	1.1	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	412	303	5	99	315	8	12	999	99	99	999	99	99	48	999	999	-0.9	18.6	8.2	2.7	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	412	303	5	99	315	9	13	999	99	99	999	99	99	51	999	999	-1.5	15.6	6.9	3.0	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	412	310	5	99	316	9	15	999	99	99	999	99	99	54	999	999	-1.9	12.7	5.6	4.4	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	412	298	5	99	310	8	13	999	99	99	999	99	99	56	999	999	-2.2	8.6	3.8	14.1	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	412	328	7	99	333	12	18	999	99	99	999	99	99	57	999	999	-2.5	9.3	4.1	7.7	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	412	337	7	99	337	12	17	999	99	99	999	99	99	58	999	999	-2.6	8.9	3.9	7.9	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	412	337	8	99	337	13	18	999	99	99	999	99	99	59	999	999	-2.8	10.0	4.4	4.0	56	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	412	334	7	99	336	13	19	999	99	99	999	99	99	60	999	999	-2.7	8.6	3.8	8.2	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	412	343	8	99	346	11	18	999	99	99	999	99	99	60	999	999	-2.6	8.6	3.8	9.3	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	412	347	8	99	344	10	18	999	99	99	999	99	99	60	999	999	-2.4	10.3	4.6	5.6	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	412	347	7	99	344	9	14	999	99	99	999	99	99	60	999	999	-2.4	8.7	3.8	11.1	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	412	342	6	99	343	10	15	999	99	99	999	99	99	60	999	999	-2.4	11.1	4.9	4.2	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	412	342	6	99	341	8	13	999	99	99	999	99	99	59	999	999	-2.0	10.3	4.5	8.8	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	412	999	5	99	357	7	12	999	99	99	999	99	99	59	999	999	-1.8	10.6	4.7	9.9	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	412	349	6	99	352	8	15	999	99	99	999	99	99	59	999	999	-1.5	12.0	5.3	8.3	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	412	354	6	99	352	7	11	999	99	99	999	99	99	58	999	999	-1.1	14.8	6.5	5.4	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	412	345	5	99	346	6	10	999	99	99	999	99	99	58	999	999	-0.8	14.2	6.3	8.4	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	412	341	4	99	343	6	8	999	99	99	999	99	99	57	999	999	-0.2	17.7	7.8	6.1	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	412	309	2	99	336	5	6	999	99	99	999	99	99	53	999	999	1.5	22.5	9.9	9.6	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	412	328	3	99	344	6	8	999	99	99	999	99	99	51	999	999	3.2	29.1	12.8	11.5	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	412	294	2	99	346	6	7	999	99	99	999	99	99	47	999	999	5.7	42.8	18.9	11.4	53	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR	54 FT SPD (295)	54 FT GST	162 FT DIR	162 FT SPD (394)	162 FT GST	204 FT DIR	204 FT SPD (492)	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	FT RH
74	12	10	0	30	415	304	1	99	327	7	8	999	99	99	999	99	99	46	999	999	8.7	51.4	22.7	6.6	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	415	316	1	99	331	7	8	999	99	99	999	99	99	45	999	999	10.3	50.6	22.3	7.0	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	415	310	2	99	322	7	9	999	99	99	999	99	99	46	999	999	8.5	52.0	22.9	6.3	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	415	300	3	99	316	7	9	999	99	99	999	99	99	48	999	999	6.2	60.1	26.5	3.6	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	415	307	3	99	316	7	11	999	99	99	999	99	99	46	999	999	7.2	50.1	22.1	7.3	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	415	310	5	99	320	9	13	999	99	99	999	99	99	48	999	999	5.3	62.6	27.6	2.1	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	415	323	6	99	330	9	13	999	99	99	999	99	99	48	999	999	4.3	50.5	22.3	2.7	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	415	323	6	99	330	9	15	999	99	99	999	99	99	48	999	999	3.6	43.6	19.2	3.1	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	415	325	5	99	333	9	12	999	99	99	999	99	99	46	999	999	4.1	50.5	22.2	2.4	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	415	322	5	99	329	8	11	999	99	99	999	99	99	45	999	999	4.7	59.6	26.3	1.8	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	415	315	4	99	322	7	12	999	99	99	999	99	99	45	999	999	4.8	45.3	20.0	5.5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	415	325	5	99	332	8	11	999	99	99	999	99	99	43	999	999	5.9	57.7	25.4	4.0	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	415	325	6	99	336	10	14	999	99	99	999	99	99	44	999	999	4.3	53.9	23.8	2.1	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	415	316	5	99	331	9	12	999	99	99	999	99	99	44	999	999	3.8	44.0	19.4	3.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	415	315	5	99	325	9	11	999	99	99	999	99	99	43	999	999	3.9	45.0	19.8	3.3	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	415	315	6	99	324	9	12	999	99	99	999	99	99	43	999	999	3.9	45.8	20.2	3.1	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	415	315	6	99	326	10	12	999	99	99	999	99	99	44	999	999	3.9	48.4	21.3	2.5	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	415	313	6	99	323	9	12	999	99	99	999	99	99	44	999	999	3.5	50.9	22.4	1.6	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	415	314	6	99	320	9	12	999	99	99	999	99	99	44	999	999	3.6	55.7	24.6	1.2	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	415	314	6	99	324	10	14	999	99	99	999	99	99	44	999	999	3.5	56.0	24.7	.8	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	415	313	7	99	323	10	13	999	99	99	999	99	99	44	999	999	3.4	55.1	24.3	.9	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	650	5	415	317	6	99	326	11	14	999	99	99	999	99	99	44	999	999	3.3	51.9	22.9	1.3	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	415	318	7	99	327	11	14	999	99	99	999	99	99	44	999	999	3.3	47.8	21.1	1.6	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	415	320	7	99	329	11	14	999	99	99	999	99	99	44	999	999	3.1	48.4	21.3	1.5	47	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	415	321	7	99	328	11	13	999	99	99	999	99	99	44	999	999	3.1	49.3	21.7	1.4	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	415	319	6	99	329	10	12	999	99	99	999	99	99	44	999	999	3.4	55.1	24.3	1.1	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	415	320	6	99	330	10	12	999	99	99	999	99	99	44	999	999	3.4	53.9	23.8	1.2	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	415	320	6	99	329	10	15	999	99	99	999	99	99	44	999	999	3.2	53.3	23.5	.8	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	415	318	7	99	327	11	13	999	99	99	999	99	99	44	999	999	3.2	52.1	23.0	1.2	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	415	314	7	99	325	10	14	999	99	99	999	99	99	45	999	999	3.0	43.1	19.0	2.2	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	415	319	7	99	327	10	14	999	99	99	999	99	99	45	999	999	3.1	43.4	19.1	2.3	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	415	320	7	99	331	11	18	999	99	99	999	99	99	45	999	999	2.9	41.5	18.3	2.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	415	320	7	99	329	11	15	999	99	99	999	99	99	45	999	999	3.0	45.4	20.0	1.8	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	415	320	7	99	330	11	16	999	99	99	999	99	99	45	999	999	2.9	40.2	17.7	2.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	415	318	7	99	325	10	14	999	99	99	999	99	99	44	999	999	2.9	41.5	18.3	2.4	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	415	316	6	99	325	10	14	999	99	99	999	99	99	44	999	999	3.0	37.4	16.5	3.8	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	415	317	7	99	324	10	15	999	99	99	999	99	99	44	999	999	2.9	44.0	19.4	1.9	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	415	316	7	99	323	10	16	999	99	99	999	99	99	43	999	999	3.0	46.8	20.6	1.6	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	415	316	6	99	325	10	15	999	99	99	999	99	99	43	999	999	3.0	43.6	19.2	2.1	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	415	314	6	99	323	9	13	999	99	99	999	99	99	43	999	999	2.9	40.6	17.9	2.6	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	415	307	4	99	318	8	11	999	99	99	999	99	99	44	999	999	2.3	34.9	15.4	3.1	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	415	319	6	99	329	9	13	999	99	99	999	99	99	47	999	999	1.3	26.5	11.7	4.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	415	320	6	99	328	9	13	999	99	99	999	99	99	50	999	999	.7	21.7	9.6	5.9	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	415	310	5	99	318	8	13	999	99	99	999	99	99	52	999	999	.3	19.3	8.5	6.7	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	415	327	8	99	337	11	17	999	99	99	999	99	99	54	999	999	0	20.8	9.2	3.9	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	415	328	8	99	335	11	16	999	99	99	999	99	99	55	999	999	-0.2	19.3	8.5	4.4	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	415	335	8	99	343	11	19	999	99	99	999	99	99	56	999	999	-0.4	22.3	9.8	2.1	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	415	334	10	99	345	12	18	999	99	99	999	99	99	57	999	999	-0.4	21.6	9.5	2.4	57	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	415	343	9	99	349	11	17	999	99	99	999	99	99	58	999	999	-0.7	16.1	7.1	5.7	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	415	348	9	99	357	12	19	999	99	99	999	99	99	58	999	999	-0.8	15.9	7.0	5.5	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	415	343	9	99	355	11	16	999	99	99	999	99	99	59	999	999	-0.7	15.6	6.9	6.5	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	415	351	7	99	359	10	17	999	99	99	999	99	99	59	999	999	-0.9	15.5	6.8	5.5	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	415	347	7	99	358	9	14	999	99	99	999	99	99	58	999	999	-0.6	16.2	7.1	6.1	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	415	349	6	99	359	9	14	999	99	99	999	99	99	58	999	999	-0.5	16.3	7.2	6.5	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	415	350	6	99	360	8	13	999	99	99	999	99	99	58	999	999	-0.2	14.8	6.5	12.4	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	415	344	6	99	354	8	11	999	99	99	999	99	99	58	999	999	0	16.9	7.4	8.8	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	415	351	5	99	357	7	11	999	99	99	999	99	99	57	999	999	.3	26.1	11.5	2.1	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	415	345	4	99	356	6	9	999	99	99	999	99	99	56	999	999	.9	23.5	10.4	5.1	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	415	341	3	99	352	5	7	999	99	99	999	99	99	55	999	999	2.1	31.5	13.9	4.0	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	415	341	2	99	346	6	7	999	99	99	999	99	99	50	999	999	5.5	46.0	20.3	7.7	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	415	349	1	99	354	5	7	999	99	99	999	99	99	45	999	999	9.6	38.1	16.8	21.0	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	415	999	99	99	4	5	7	999	99	99	999	99	99	42	999	999	12.7	27.1	11.9	79.2	55	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	509	302	1	99	289	5	9	999	99	99	999	99	99	47	999	999	7.6	43.0	18.9	13.2	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	509	999	99	99	289	4	7	999	99	99	999	99	99	46	999	999	7.9	42.0	18.5	14.4	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	509	999	99	99	281	3	5	999	99	99	999	99	99	45	999	999	7.3	99.*	99.*	99.*	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	509	291	1	99	287	5	7	999	99	99	999	99	99	45	999	999	7.7	46.8	20.6	9.5	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	509	287	1	99	285	6	8	999	99	99	999	99	99	45	999	999	7.8	55.8	24.6	4.8	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	509	306	1	99	292	7	10	999	99	99	999	99	99	45	999	999	8.2	61.4	27.1	3.3	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	509	302	1	99	293	6	10	999	99	99	999	99	99	45	999	999	7.8	72.9	32.1	1.7	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	509	311	2	99	299	8	13	999	99	99	999	99	99	44	999	999	7.6	61.9	27.3	3.2	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	509	309	2	99	301	8	12	999	99	99	999	99	99	43	999	999	7.8	81.5	36.0	1.0	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	509	304	1	99	297	5	9	999	99	99	999	99	99	42	999	999	7.5	55.2	24.3	5.0	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	509	309	1	99	294	6	13	999	99	99	999	99	99	41	999	999	8.0	61.9	27.3	3.2	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	509	309	2	99	298	8	13	999	99	99	999	99	99	41	999	999	8.5	56.7	25.0	4.5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	509	315	2	99	302	8	14	999	99	99	999	99	99	41	999	999	8.3	52.7	23.2	6.0	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	509	320	2	99	310	10	12	999	99	99	999	99	99	41	999	999	8.4	61.0	26.9	3.4	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	509	319	3	99	310	11	14	999	99	99	999	99	99	41	999	999	8.9	74.0	32.6	1.6	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	509	315	3	99	309	11	15	999	99	99	999	99	99	41	999	999	8.6	66.0	29.1	2.5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	509	315	3	99	308	11	15	999	99	99	999	99	99	41	999	999	9.1	66.0	29.1	2.5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	509	313	4	99	306	12	15	999	99	99	999	99	99	41	999	999	8.3	64.7	28.5	2.7	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	509	311	4	99	307	12	15	999	99	99	999	99	99	42	999	999	8.2	61.4	27.1	3.3	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	509	309	3	99	304	10	14	999	99	99	999	99	99	42	999	999	8.2	61.9	27.3	3.2	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	509	310	4	99	304	11	15	999	99	99	999	99	99	42	999	999	8.2	68.2	30.1	2.2	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	509	303	3	99	301	10	14	999	99	99	999	99	99	42	999	999	8.2	58.9	25.9	3.9	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	509	303	3	99	300	10	13	999	99	99	999	99	99	42	999	999	7.4	58.9	25.9	3.9	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	509	303	3	99	300	11	15	999	99	99	999	99	99	42	999	999	8.7	58.9	25.9	3.9	51	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	509	300	3	99	296	10	14	999	99	99	999	99	99	42	999	999	8.7	57.1	25.1	4.4	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	509	301	3	99	296	10	14	999	99	99	999	99	99	42	999	999	8.5	56.1	24.7	4.7	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	509	300	3	99	294	10	15	999	99	99	999	99	99	42	999	999	8.1	60.5	26.7	3.5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	509	300	4	99	296	11	13	999	99	99	999	99	99	42	999	999	8.3	60.1	26.5	3.6	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	509	303	4	99	296	11	14	999	99	99	999	99	99	42	999	999	8.5	72.9	32.1	1.7	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	509	302	4	99	297	11	14	999	99	99	999	99	99	42	999	999	8.6	75.3	33.2	1.5	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	509	304	4	99	297	11	16	999	99	99	999	99	99	42	999	999	8.4	66.7	29.4	2.4	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	509	306	4	99	300	12	18	999	99	99	999	99	99	42	999	999	9.1	71.8	31.7	1.8	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	509	310	4	99	302	12	20	999	99	99	999	99	99	43	999	999	9.2	57.4	25.3	4.3	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	509	315	4	99	307	13	20	999	99	99	999	99	99	43	999	999	9.5	71.8	31.7	1.8	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	509	309	4	99	302	11	17	999	99	99	999	99	99	43	999	999	9.4	68.2	30.1	2.2	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	509	308	4	99	301	11	18	999	99	99	999	99	99	42	999	999	8.8	63.5	28.0	2.9	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	509	303	3	99	297	9	15	999	99	99	999	99	99	42	999	999	8.9	68.2	30.1	2.2	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	509	302	3	99	294	9	13	999	99	99	999	99	99	41	999	999	8.9	69.9	30.8	2.0	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	509	301	2	99	292	8	12	999	99	99	999	99	99	40	999	999	8.8	62.4	27.5	3.1	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	509	303	2	99	294	8	12	999	99	99	999	99	99	40	999	999	8.9	56.4	24.9	4.6	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	509	305	3	99	297	9	15	999	99	99	999	99	99	41	999	999	9.2	74.0	32.6	1.6	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	509	308	4	99	302	10	17	999	99	99	999	99	99	45	999	999	9.6	66.7	29.4	2.4	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	509	307	4	99	301	10	21	999	99	99	999	99	99	48	999	999	9.0	51.4	22.7	6.6	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	509	312	4	99	303	11	19	999	99	99	999	99	99	51	999	999	9.8	59.3	26.1	3.8	61	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	509	305	4	99	298	11	17	999	99	99	999	99	99	52	999	999	9.5	47.0	20.7	9.3	62	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	509	306	4	99	302	12	20	999	99	99	999	99	99	54	999	999	9.6	52.9	23.3	5.9	64	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	509	325	6	99	317	15	26	999	99	99	999	99	99	56	999	999	9.9	57.7	25.5	4.2	66	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	509	330	6	99	323	15	24	999	99	99	999	99	99	56	999	999	9.6	54.7	24.1	5.2	66	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	509	336	7	99	324	16	25	999	99	99	999	99	99	57	999	999	9.3	47.9	21.1	8.7	66	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	509	342	6	99	333	15	24	999	99	99	999	99	99	57	999	999	8.2	42.7	18.8	13.5	65	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	509	333	6	99	328	14	26	999	99	99	999	99	99	57	999	999	8.8	45.8	20.2	10.3	66	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	509	348	5	99	343	12	22	999	99	99	999	99	99	57	999	999	6.8	44.0	19.4	12.0	64	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	509	349	5	99	342	12	20	999	99	99	999	99	99	57	999	999	7.2	52.0	22.9	6.3	64	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	509	347	4	99	339	11	19	999	99	99	999	99	99	57	999	999	7.7	40.0	17.6	17.4	65	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	509	3	4	99	355	9	17	999	99	99	999	99	99	57	999	999	5.8	46.0	20.3	9.1	63	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	509	347	4	99	340	10	16	999	99	99	999	99	99	56	999	999	7.2	45.2	19.9	10.9	63	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	509	342	3	99	336	9	15	999	99	99	999	99	99	56	999	999	7.4	44.6	19.7	11.4	63	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	509	346	3	99	336	8	13	999	99	99	999	99	99	55	999	999	6.8	41.3	18.2	15.4	62	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	509	336	2	99	328	7	11	999	99	99	999	99	99	54	999	999	8.0	45.7	20.1	10.4	62	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	509	347	1	99	334	5	8	999	99	99	999	99	99	51	999	999	7.2	54.4	24.0	5.3	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	509	357	1	99	339	7	9	999	99	99	999	99	99	48	999	999	6.7	53.9	23.7	5.5	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	509	345	1	99	334	5	9	999	99	99	999	99	99	46	999	999	8.1	38.7	17.1	19.8	54	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	714	318	2	99	317	6	8	999	99	99	999	99	99	54	999	999	2.4	30.8	13.6	5.4	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	714	311	2	99	312	5	7	999	99	99	999	99	99	55	999	999	1.9	27.5	12.1	5.9	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	714	312	2	99	313	6	10	999	99	99	999	99	99	54	999	999	1.9	31.7	14.0	3.4	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	714	312	3	99	312	6	10	999	99	99	999	99	99	54	999	999	1.6	30.9	13.6	3.0	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	714	311	3	99	310	6	11	999	99	99	999	99	99	53	999	999	1.7	27.4	12.1	5.2	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	714	318	4	99	320	8	13	999	99	99	999	99	99	53	999	999	1.5	32.9	14.5	2.2	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	714	327	4	99	326	8	13	999	99	99	999	99	99	52	999	999	1.6	37.0	16.3	1.5	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	714	327	5	99	326	10	18	999	99	99	999	99	99	52	999	999	1.3	29.5	13.0	2.9	53	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	714	329	4	99	328	9	15	999	99	99	999	99	99	51	999	999	1.3	29.2	12.9	3.0	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	714	319	4	99	320	9	15	999	99	99	999	99	99	50	999	999	1.4	38.6	17.0	1.1	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	714	318	4	99	317	8	14	999	99	99	999	99	99	49	999	999	1.4	29.0	12.8	3.3	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	714	320	4	99	321	8	13	999	99	99	999	99	99	49	999	999	1.4	29.0	12.8	3.3	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	714	328	5	99	328	10	16	999	99	99	999	99	99	49	999	999	1.4	36.2	16.0	1.4	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	714	335	6	99	335	10	14	999	99	99	999	99	99	49	999	999	1.3	29.0	12.8	3.1	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	714	333	6	99	335	10	13	999	99	99	999	99	99	49	999	999	1.2	29.4	13.0	2.7	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	714	333	5	99	333	9	14	999	99	99	999	99	99	49	999	999	1.3	30.6	13.5	2.5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	714	332	6	99	335	9	12	999	99	99	999	99	99	49	999	999	1.3	31.6	13.9	2.2	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	714	335	6	99	339	9	17	999	99	99	999	99	99	49	999	999	1.3	33.3	14.7	1.8	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	714	331	5	99	333	9	13	999	99	99	999	99	99	49	999	999	1.2	32.7	14.4	1.8	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	714	336	6	99	334	9	13	999	99	99	999	99	99	49	999	999	1.3	32.9	14.5	1.9	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	714	332	5	99	332	7	14	999	99	99	999	99	99	48	999	999	1.3	32.4	14.3	2.0	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	650	5	714	331	6	99	331	10	15	999	99	99	999	99	99	48	999	999	1.2	31.4	13.8	2.1	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	714	329	6	99	333	9	13	999	99	99	999	99	99	48	999	999	1.1	29.4	13.0	2.5	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	714	329	7	99	331	12	17	999	99	99	999	99	99	48	999	999	1.0	29.1	12.8	2.4	49	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	720	5	714	327	6	99	333	10	16	999	99	99	999	99	99	48	999	999	1.0	28.3	12.5	2.7	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	714	326	7	99	329	12	19	999	99	99	999	99	99	48	999	999	3.0	39.5	17.4	3.1	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	714	323	7	99	329	11	17	999	99	99	999	99	99	48	999	999	2.0	31.4	13.8	3.8	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	714	323	7	99	327	12	17	999	99	99	999	99	99	48	999	999	1.1	26.2	11.6	3.9	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	714	324	7	99	328	13	16	999	99	99	999	99	99	48	999	999	1.1	30.1	13.3	2.3	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	714	322	6	99	323	11	17	999	99	99	999	99	99	48	999	999	1.1	32.5	14.3	1.7	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	714	323	7	99	326	12	18	999	99	99	999	99	99	48	999	999	1.0	31.9	14.0	1.7	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	714	326	8	99	327	13	22	999	99	99	999	99	99	49	999	999	.9	28.3	12.5	2.5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	714	326	8	99	328	13	22	999	99	99	999	99	99	49	999	999	.9	32.2	14.2	1.5	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	714	323	7	99	325	13	20	999	99	99	999	99	99	48	999	999	1.0	32.9	14.5	1.5	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	714	322	6	99	323	12	20	999	99	99	999	99	99	48	999	999	1.0	28.5	12.6	2.6	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	714	324	6	99	326	11	19	999	99	99	999	99	99	47	999	999	2.1	35.6	15.7	2.5	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	714	323	5	99	323	11	17	999	99	99	999	99	99	47	999	999	3.2	45.1	19.9	2.1	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	714	318	5	99	322	10	16	999	99	99	999	99	99	46	999	999	2.5	43.6	19.2	1.5	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	714	320	5	99	324	14	19	999	99	99	999	99	99	45	999	999	4.4	52.3	23.1	2.5	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	714	320	4	99	323	11	16	999	99	99	999	99	99	45	999	999	3.4	36.1	15.9	5.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	714	322	4	99	322	14	19	999	99	99	999	99	99	46	999	999	3.6	40.1	17.7	4.3	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	714	335	6	99	335	14	19	999	99	99	999	99	99	49	999	999	3.3	38.2	16.8	4.3	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	714	333	6	99	335	20	19	999	99	99	999	99	99	51	999	999	3.2	39.6	17.4	3.5	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	714	326	7	99	323	20	20	999	99	99	999	99	99	52	999	999	2.5	30.9	13.6	5.7	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	714	321	7	99	320	20	18	999	99	99	999	99	99	54	999	999	1.5	28.6	12.6	3.8	56	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	714	317	6	99	315	20	20	999	99	99	999	99	99	56	999	999	2.5	30.1	13.3	6.3	59	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	714	325	7	99	326	16	20	999	99	99	999	99	99	58	999	999	2.1	25.2	11.1	9.5	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	714	331	9	99	335	14	15	999	99	99	999	99	99	58	999	999	2.8	36.2	16.0	3.8	61	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	714	329	9	99	340	13	13	999	99	99	999	99	99	59	999	999	2.4	32.7	14.4	4.3	61	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	714	335	8	99	346	11	20	999	99	99	999	99	99	59	999	999	.8	20.0	8.8	8.9	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	714	340	8	99	352	11	20	999	99	99	999	99	99	60	999	999	-0.1	18.4	8.1	5.8	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	714	337	7	99	351	10	16	999	99	99	999	99	99	60	999	999	-1.7	12.0	5.3	6.7	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	714	332	6	99	341	9	15	999	99	99	999	99	99	60	999	999	-1.1	13.7	6.0	7.3	59	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	714	332	5	99	347	7	15	999	99	99	999	99	99	60	999	999	-1.2	11.0	4.9	15.3	59	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	714	357	5	99	2	8	12	999	99	99	999	99	99	60	999	999	-0.9	12.3	5.4	13.6	59	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	714	349	4	99	3	7	13	999	99	99	999	99	99	60	999	999	-0.6	14.6	6.5	9.0	59	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	714	7	3	99	25	7	12	999	99	99	999	99	99	60	999	999	-0.5	12.0	5.7	16.0	60	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	714	19	3	99	25	6	9	999	99	99	999	99	99	59	999	999	-0.1	17.6	7.8	6.8	59	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	714	11	2	99	20	5	9	999	99	99	999	99	99	58	999	999	.2	19.0	8.4	6.6	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	714	360	2	99	14	5	6	999	99	99	999	99	99	55	999	999	1.7	28.1	12.4	4.7	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	714	16	2	99	22	7	8	999	99	99	999	99	99	52	999	999	3.1	37.4	16.5	4.1	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	714	14	1	99	22	6	8	999	99	99	999	99	99	50	999	999	4.6	34.6	15.2	14.0	55	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	0	30	803	317	1	99	299	3	6	999	99	99	999	99	99	48	999	999	3.7	36.9	16.3	6.3	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	30	30	803	304	1	99	307	3	6	999	99	99	999	99	99	49	999	999	2.1	28.8	12.7	5.7	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	100	30	803	305	1	99	305	3	7	999	99	99	999	99	99	50	999	999	1.2	28.4	12.5	3.1	51	99
									999	99	99	999	99	99	999	99	99									
74	12	10	130	30	803	307	1	99	308	3	5	999	99	99	999	99	99	48	999	999	1.8	28.2	12.4	5.0	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	200	30	803	309	1	99	292	2	4	999	99	99	999	99	99	46	999	999	2.9	50.7	22.3	1.1	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	230	30	803	311	1	99	307	3	5	999	99	99	999	99	99	44	999	999	4.7	58.8	25.9	1.9	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	300	30	803	319	1	99	317	3	5	999	99	99	999	99	99	43	999	999	4.8	44.9	19.8	5.7	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	330	30	803	316	2	99	322	4	7	999	99	99	999	99	99	45	999	999	2.7	36.1	15.9	3.6	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	400	30	803	320	2	99	325	4	7	999	99	99	999	99	99	46	999	999	1.8	27.1	11.9	5.8	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	430	30	803	325	2	99	328	5	7	999	99	99	999	99	99	46	999	999	1.5	27.5	12.1	4.4	48	99
									999	99	99	999	99	99	999	99	99									
74	12	10	500	30	803	316	2	99	326	4	8	999	99	99	999	99	99	46	999	999	1.3	29.5	13.0	2.9	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	530	30	803	320	2	99	327	4	7	999	99	99	999	99	99	44	999	999	1.7	28.7	12.7	4.3	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	600	30	803	321	2	99	328	5	8	999	99	99	999	99	99	45	999	999	1.3	27.1	12.0	4.0	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	610	5	803	313	3	99	326	5	7	999	99	99	999	99	99	45	999	999	1.0	25.4	11.2	4.1	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	615	5	803	314	3	99	329	5	7	999	99	99	999	99	99	45	999	999	.8	24.1	10.6	4.3	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	620	5	803	311	3	99	324	5	8	999	99	99	999	99	99	45	999	999	.8	25.8	11.4	3.3	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	625	5	803	312	2	99	324	4	6	999	99	99	999	99	99	45	999	999	.9	27.7	12.2	2.7	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	630	5	803	316	2	99	323	4	6	999	99	99	999	99	99	45	999	999	1.0	30.6	13.5	2.0	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	635	5	803	311	3	99	327	5	7	999	99	99	999	99	99	45	999	999	1.2	32.7	14.4	1.8	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	640	5	803	320	3	99	328	5	6	999	99	99	999	99	99	45	999	999	1.2	28.2	12.4	3.2	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	645	5	803	315	3	99	328	5	7	999	99	99	999	99	99	44	999	999	1.3	28.7	12.7	3.2	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	650	5	803	315	3	99	329	5	6	999	99	99	999	99	99	44	999	999	1.5	30.6	13.5	2.9	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	655	5	803	320	3	99	330	6	7	999	99	99	999	99	99	44	999	999	1.6	30.7	13.5	3.1	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	715	5	803	322	3	99	325	5	7	999	99	99	999	99	99	44	999	999	7	25.3	11.1	3.3	45	99
									999	99	99	999	99	99	999	99	99									

TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	294 FT DIR (492)	294 FT SPD	294 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIF DEV	54 FT TT	54 FT RH
74	12	10	720	5	803	316	3	99	321	4	6	999	99	99	999	99	99	44	999	999	1.0	27.1	11.9	3.2	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	725	5	803	318	3	99	323	5	8	999	99	99	999	99	99	44	999	999	1.2	28.6	12.6	3.0	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	730	5	803	326	3	99	326	6	9	999	99	99	999	99	99	44	999	999	1.1	26.2	11.6	3.9	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	735	5	803	319	4	99	327	6	7	999	99	99	999	99	99	44	999	999	.9	25.5	11.3	3.7	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	740	5	803	325	3	99	325	5	7	999	99	99	999	99	99	44	999	999	.8	25.2	11.1	3.6	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	745	5	803	325	3	99	325	5	8	999	99	99	999	99	99	44	999	999	.8	24.9	11.0	3.8	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	800	30	803	323	3	99	327	6	10	999	99	99	999	99	99	44	999	999	.7	26.9	11.8	2.6	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	830	30	803	325	4	99	330	6	11	999	99	99	999	99	99	45	999	999	.2	20.9	9.2	4.6	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	900	30	803	326	5	99	331	7	13	999	99	99	999	99	99	46	999	999	0	20.8	9.2	3.9	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	930	30	803	325	4	99	330	6	11	999	99	99	999	99	99	46	999	999	-0	21.3	9.4	3.6	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1000	30	803	318	4	99	328	6	10	999	99	99	999	99	99	46	999	999	0	19.3	8.5	5.2	46	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1030	30	803	321	3	99	325	5	9	999	99	99	999	99	99	45	999	999	0	19.2	8.4	5.4	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1100	30	803	325	3	99	327	5	8	999	99	99	999	99	99	45	999	999	.1	22.8	10.0	3.0	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1130	30	803	318	3	99	323	4	8	999	99	99	999	99	99	44	999	999	.4	25.0	11.0	2.7	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1200	30	803	321	3	99	325	5	10	999	99	99	999	99	99	44	999	999	.3	19.1	8.4	7.1	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1230	30	803	321	3	99	327	5	8	999	99	99	999	99	99	44	999	999	.2	24.2	10.7	2.6	44	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1300	30	803	324	3	99	328	4	8	999	99	99	999	99	99	45	999	999	0	23.9	10.5	2.3	45	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1330	30	803	330	4	99	333	5	8	999	99	99	999	99	99	47	999	999	-0.5	19.6	8.6	3.2	47	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1400	30	803	320	4	99	326	6	11	999	99	99	999	99	99	50	999	999	-1.2	15.9	7.0	3.7	49	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1430	30	803	311	4	99	315	5	9	999	99	99	999	99	99	52	999	999	-1.7	11.2	4.9	8.9	50	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1500	30	803	320	5	99	323	6	12	999	99	99	999	99	99	54	999	999	-1.8	12.0	5.3	6.0	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1530	30	803	323	5	99	325	6	11	999	99	99	999	99	99	56	999	999	-2.3	9.5	4.2	8.7	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1600	30	803	315	5	99	325	6	12	999	99	99	999	99	99	57	999	999	-2.5	8.8	3.9	9.3	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1630	30	803	342	5	99	344	6	13	999	99	99	999	99	99	59	999	999	-2.6	7.0	3.1	20.2	56	99
									999	99	99	999	99	99	999	99	99									

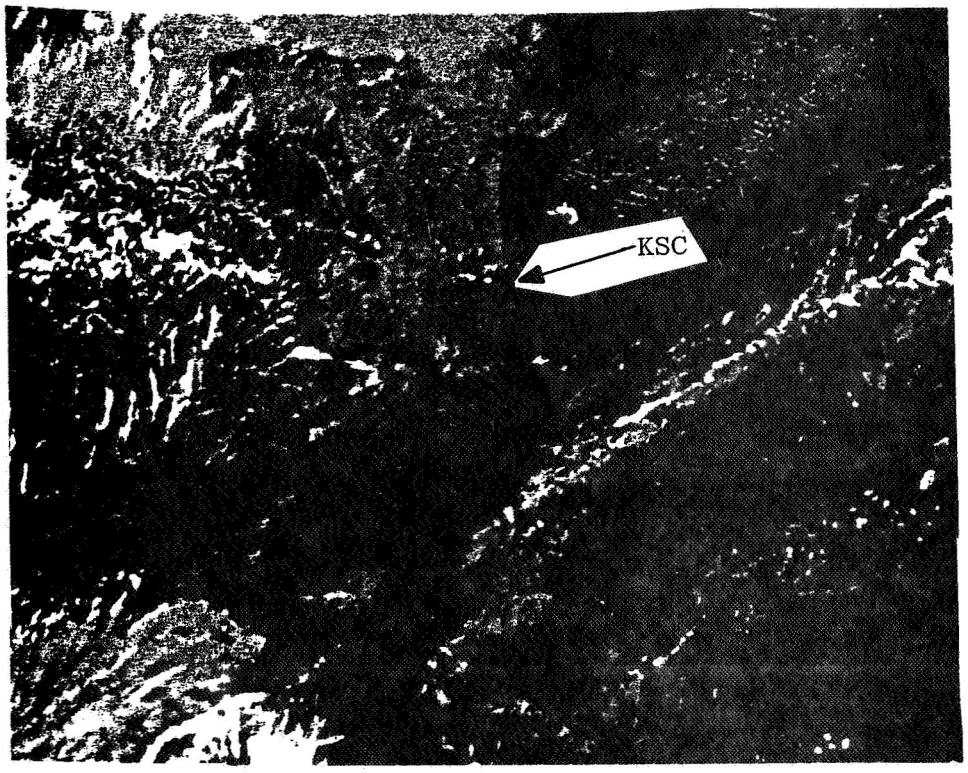
TEST NBR 00000
WIND SYSTEM TOWER DATA
CAPE CANAVERAL AFS, FLA.

YR	MON	DAY	TIME (Z)	INT	TWR NBR	12 FT DIR	12 FT SPD	12 FT GST	54 FT DIR (295)	54 FT SPD	54 FT GST	162 FT DIR (394)	162 FT SPD	162 FT GST	204 FT DIR (492)	204 FT SPD	204 FT GST	6FT TT	6FT DP	54FT DP	LAPSE RATE	5 PPM	25 PPM	DIR DEV	54 FT TT	54 FT RH
74	12	10	1700	30	803	359	6	99	356	7	13	999	99	99	999	99	99	60	999	999	-3.0	8.0	3.5	7.6	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1730	30	803	357	6	99	2	8	14	999	99	99	999	99	99	60	999	999	-3.0	6.8	3.0	14.3	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1800	30	803	7	5	99	9	7	12	999	99	99	999	99	99	60	999	999	-3.0	7.5	3.3	9.7	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1830	30	803	1	5	99	999	7	12	999	99	99	999	99	99	60	999	999	-2.8	7.1	3.1	15.4	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1900	30	803	354	4	99	359	5	11	999	99	99	999	99	99	60	999	999	-2.6	7.5	3.3	15.8	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	1930	30	803	354	4	99	357	5	9	999	99	99	999	99	99	60	999	999	-2.5	7.2	3.2	20.3	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2000	30	803	7	4	99	16	5	10	999	99	99	999	99	99	60	999	999	-2.3	8.0	3.5	16.7	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2030	30	803	18	4	99	20	5	10	999	99	99	999	99	99	60	999	999	-2.2	10.8	4.8	5.9	58	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2100	30	803	16	4	99	10	5	10	999	99	99	999	99	99	59	999	999	-1.8	11.1	4.9	8.3	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2130	30	803	999	3	99	1	4	8	999	99	99	999	99	99	58	999	999	-1.5	10.5	4.6	13.8	57	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2200	30	803	360	3	99	999	4	7	999	99	99	999	99	99	56	999	999	-0.8	14.3	6.3	8.1	55	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2230	30	803	3	2	99	4	3	5	999	99	99	999	99	99	53	999	999	.7	22.7	10.0	5.0	54	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2300	30	803	27	1	99	6	3	4	999	99	99	999	99	99	50	999	999	2.3	38.2	16.8	2.2	52	99
									999	99	99	999	99	99	999	99	99									
74	12	10	2330	30	803	23	1	99	356	2	4	999	99	99	999	99	99	44	999	999	6.6	66.7	29.4	2.4	51	99
									999	99	99	999	99	99	999	99	99									

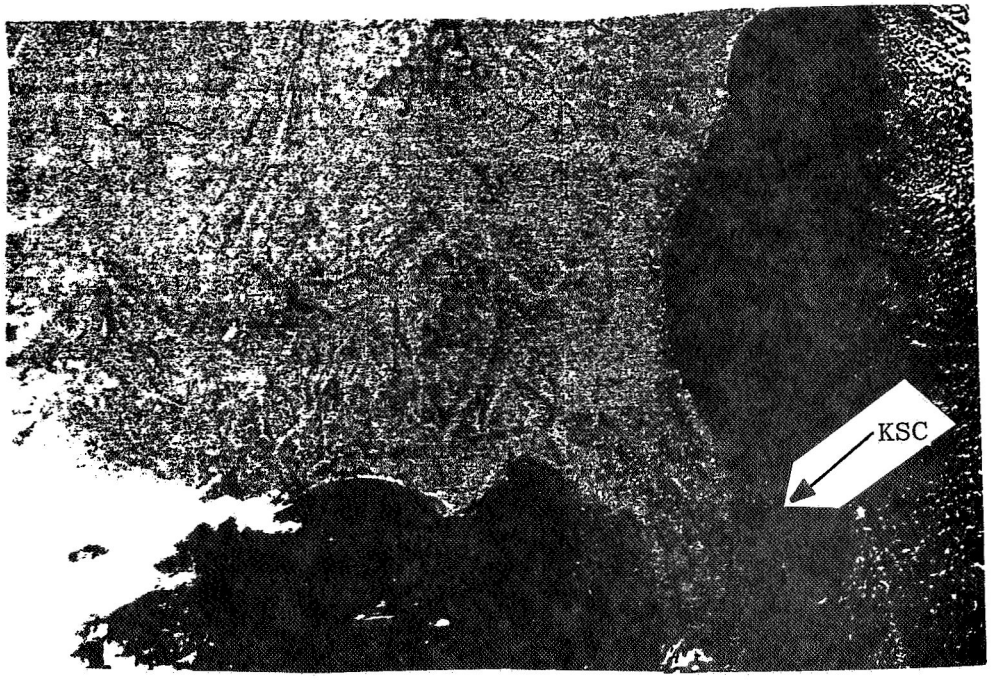
APPENDIX G

SATELLITE IMAGERY

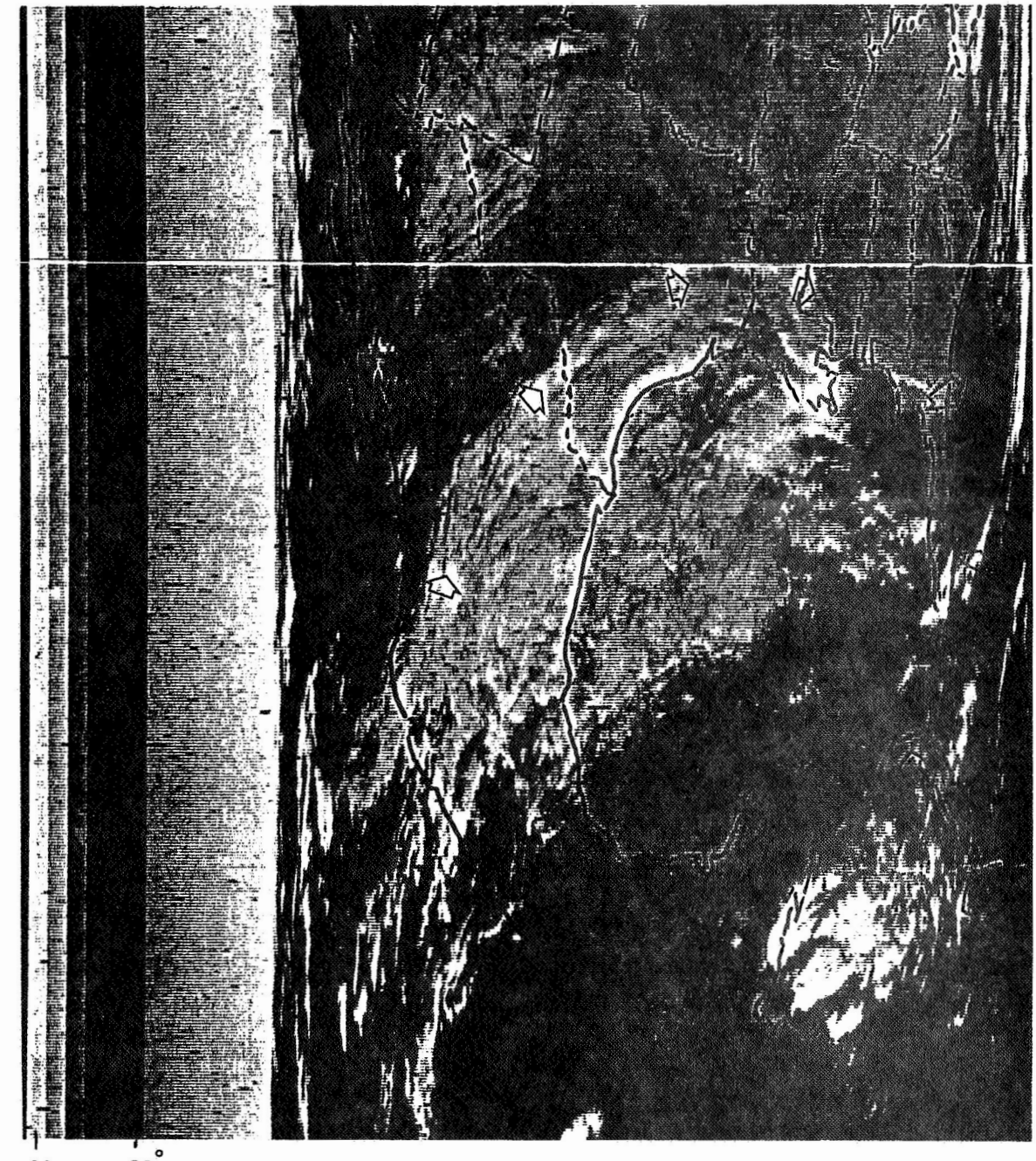
SATELLITE IMAGERY (IR)



NOAA 3 CRBIT 4925 8 DEC 1974, 2020 EST (T-29 HR., 51 MIN)



NOAA 3 ORBIT 4944 10 DEC 1974, 0950 EST (T-7 HR., 39 MIN)



NOAA 3 9 Dec 1974, 2200 EST (T-4 Hr., 11 Min.)

APPENDIX H

CALCULATION OF THERMODYNAMIC VARIABLES FROM RAWINSONDE DATA

The equations used for calculation of thermodynamic variables from measurements of altitude, temperature, and relative humidity obtained from the GMD-4, AMQ-9 rawinsonde system are summarized herein; these equations, originally developed for the GMD-2 system (Ref. 1), must be used in conjunction with the list of symbols and units provided at the end of this appendix.

Atmospheric Density, ρ

$$\rho = 348.38 \frac{P}{T_v}$$

Pressure, P

$$P = P' 10^{-(h-h')/(221.266\ T_{vm})}$$

Geopotential Height, h

$$h = \frac{g_o}{9.8} \frac{r_e H}{r_e + H}$$

Virtual Temperature, T_v

$$T_v = T(1 + .376932\ e/P')$$

Mean Virtual Temperature, T_{vm}

$$T_{vm} = \frac{T_v' + T_v}{2}$$

Vapor Pressure, e

$$e = 6.11\ f_D\ 10^{7.5t/(t+237.3)}$$

Dew Point Temperature, t_d

$$t_d = \frac{237.3 \log e - 186.527}{8.236 - \log e}$$

Potential Temperature, Θ

$$\Theta = T \left(\frac{1000}{P}\right)^{.288}$$

Virtual Potential Temperature Θ_v

$$\Theta_v = T_v \left(\frac{1000}{P}\right)^{.288}$$

Absolute Humidity, ρ_w

$$\rho_w = 216.7\ e/p$$

Microwave Refractive Index, n

$$n = 1 + \left[\frac{1}{T}\left(77.6P - 11e + \frac{374808e}{T}\right)\right] 10^{-6}$$

For data tabulation, use:

$$N = (n-1)10^6$$

Speed of Sound, V_s

$$V_s = 643.855 \left(\frac{T}{273.16}\right)^{0.5}$$

LIST OF SYMBOLS AND UNITS

e	vapor pressure	millibars (mb)
f_D	relative humidity expressed as a decimal	
g_o	acceleration of gravity at geographical location of the rawinsonde station	meters/seconds^2 (m/sec^2)
h	geopotential height at the top of the layer bounded by h and h'	feet (ft)
h'	geopotential height at the bottom of the layer bounded by h and h'	(ft)
H	geometric altitude at the top of the layer bounded by H and H'	(ft)
H'	Geometric altitude at the bottom of the layer bounded by H and H'	(ft)
n	microwave refractive index	
N	unit of refractive index used for simplification of data tabulation	
P	pressure at geopotential height h	(mb)
p'	pressure at geopotential height h'	(mb)
r_e	radius of the earth	(ft)
t	temperature	degrees Celsius (^oC)
T	temperature	degrees Kelvin (^oK)
t_d	dew point temperature	(^oC)
T_v	virtual temperature at geopotential height h	(^oK)

T_v'	virtual temperature at geopotential height h'	(^oK)
T_{vm}	the mean virtual temperature of layer bounded by h and h'	(^oK)
V_s	speed of sound	knots
ρ	atmospheric density	grams/meter^3 (gm/m^3)
ρ_w	absolute humidity	(gm/m^3)
Θ	potential temperature	(^oK)
Θ_v	virtual potential temperature	(^oK)

REFERENCE

Daniel, O. H.: Digital Computer Reduction of AN GMD-2 Rawinsonde Data. Pan American World Airways, Guided Missile Range Division, Patrick Air Force Base, Florida, 10 May 1962.

APPROVAL

COMPENDIUM OF METEOROLOGICAL DATA FOR THE HELIOS A LAUNCH IN DECEMBER 1974

By J. Briscoe Stephens, S. I. Adelfang, and A. I. Goldford

The information in this report has been reviewed for security classification. Review of any information concerning Department of Defense or Atomic Energy Commission programs has been made by the MSFC Security Classification Officer. This report, in its entirety, has been determined to be unclassified.

This document has also been reviewed and approved for technical accuracy.

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