General Disclaimer

One or more of the Following Statements may affect this Document

- This document has been reproduced from the best copy furnished by the organizational source. It is being released in the interest of making available as much information as possible.

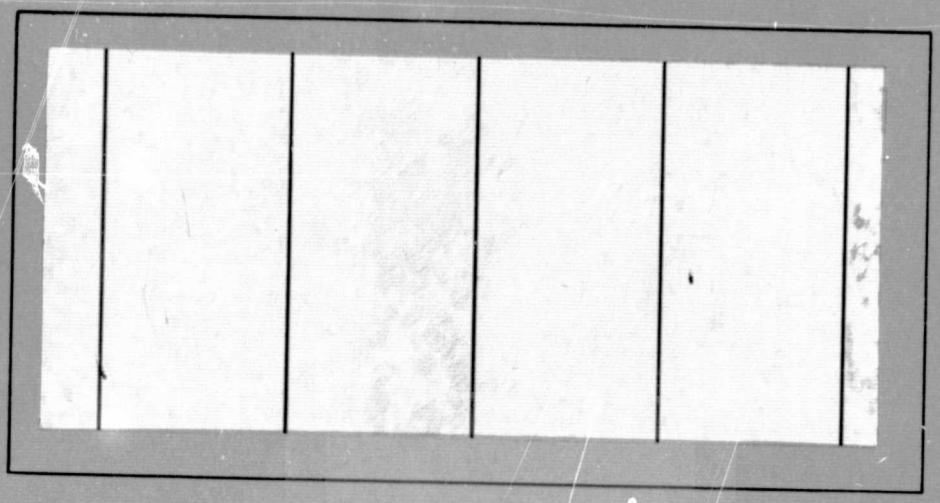
- This document may contain data, which exceeds the sheet parameters. It was furnished in this condition by the organizational source and is the best copy available.

- This document may contain tone-on-tone or color graphs, charts and/or pictures, which have been reproduced in black and white.

- This document is paginated as submitted by the original source.

- Portions of this document are not fully legible due to the historical nature of some of the material. However, it is the best reproduction available from the original submission.

Produced by the NASA Center for Aerospace Information (CASI)



SCIENCE APPLICATIONS INCORPORATED

(NASA-CR-150354) OPTIMUM SPACE SHUTTLE LAUNCH TIMES RELATIVE TO NATURAL ENVIRONMENT Final Report (Science Applications, Inc., Huntsville, Ala.) 385 p HC A17/MF A01 CSCL 22A G3/12

N77-29183

Unclas 40786



15 April 1977

SAI-77-785-HU

FINAL REPORT

CONTRACT NAS8-31798

OPTIMUM SPACE SHUTTLE LAUNCH TIMES RELATIVE TO NATURAL ENVIRONMENT

Prepared For:

George C. Marshall Space Flight Center
Marshall Space Flight Center, Alabama

Prepared By:

R. L. King

SCIENCE APPLICATIONS, INC.
2109 W. Clinton Avenue, Suite 800
Huntsville, Alabama 35805 (205) 533-5900

FOREWORD

This final report is submitted to the Aerospace Environment Division, Space Sciences Laboratory, Science and Engineering Directorate, NASA - Marshall Space Flight Center, Alabama, in fulfillment of requirements under Contract No. NAS8-31798. SAI wishes to acknowledge the technical guidance and useful suggestions provided by Mr. S. C. Brown, Technical Monitor for NASA/MSFC Aerospace Environment Division, during the course of this study.

ABSTRACT

The objective of this study has been to present an analysis of natural environment parameters that may prove useful in the Space Transportation System (STS) mission planning. To accomplish this objective the probabilities of favorable and unfavorable weather conditions for launch and landing of the STS under different criteria were completed. These probabilities were computed for every three hours on a yearly basis using 14 years of weather data obtained from the NOAA National Climatic Center. These temporal probability distributions were computed for three sets of weather criteria encompassing benign, moderate and severe weather conditions and were computed for both Kennedy Space Center (KSC) and for Edwards Air Force Base. In addition, the conditional probabilities were computed for unfavorable weather conditions occurring after a delay which may or may not be due to weather conditions. Also, for KSC, the probabilities of favorable landing conditions at various times after favorable launch conditions have prevailed have been computed so that mission probabilities may be more accurately computed for those time periods when persistence strongly correlates weather conditions. Moreover, the probabilities and conditional probabilities of the occurrence of both favorable and unfavorable events for each individual criterion were computed to indicate the significance of each weather element to the overall result.

The results of this study are summarized in a number of figures to be found in the text and by the extensive tables found in Appendix B. A discussion of the overall results as well as the calculation of specific examples are given. Several recommendations for refinement of this work are offered in the text.



TABLE OF CONTENTS

Section		Page
I	INTRODUCTION	I-1
II	WEATHER CRITERIA	2-1
	A. Ground Winds	2-1
	B. Upper Winds	2-2
	C. Cloud Cover	2-2
	D. Visibility	2-2
	E. Ceiling	2-3
	F. Precipitation	2-3
	G. Thunderstorm/Thunderstorn in Guide Path.	2-3
III.	DATA	3-1
	A. Source Data	3-1
	1. Surface Data	3-1
	2. Upper Winds	3-1
	3. Peak Winds	3-2
	4. Thunderstorm Data	3-3
	5. Hurricanes	3-3
	B. Data Files	3-3
	1. KSC Data File	3-3
	2. EAFB Data File	3-6
IV.	METHODS	4-1
	A. Mathematical Techniques	4-1
	B. Computer Techniques	4-2
	1. Data Compaction	4-2
	2. Launch/Landing Program	4-4
	3. Mission Program	4-4

TABLE OF CONTENTS
(Continued)

Section		Page
V.	RESULTS	5-1
VI.	CONCLUSIONS AND RECOMMENDATION	6-1
APPENDIX A		A-1
A.1	The Tables	
A.2	Procedures to Determine Mission Probabilities	
A.3	Examples	
APPENDIX B		B-1
B.1	Benign Weather Conditions	B-2
	KSC Mission Probabilities	B-3
	KSC Launch Probabilities	B-7
	KSC Landing Probabilities	B-43
	EAFB Landing Probabilities	B-79
B.2	Moderate Weather Conditions	B-115
	KSC Mission Probabilities	B-116
	KSC Launch Probabilities	B-120
	KSC Landing Probabilities	B-156
	EAFB Landing Probabilities	B-192
B.3	Severe Weather Conditions	B-228
	KSC Mission Probabilities	B-229
	KSC Launch Probabilities	B-233
	KSC Landing Probabilities	B-257
	EAFB Landing Probabilities	B-293

LIST OF ILLUSTRATIONS

Figure		Page
III-1	Basic Record Format for KSC Weather Data for SAI Generated Files	3-5
V-1	Probability of Favorable Launch Conditions KSC/Benign Weather Criteria	5-2
V-2	Probability of Favorable Launch Conditions KSC/Moderate Weather Criteria	5-3
V-3	Probability of Favorable Launch Conditions KSC/Severe Weather Criteria	5-4
V-4	Probability of Favorable Landing Conditions KSC/Benign Weather Criteria	5-6
V-5	Probability of Favorable Landing Conditions KSC/Moderate Weather Criteria	5-7
V-6	Probability of Favorable Landing Conditions KSC/Severe Weather Criteria	5-8
V-7	Probability of Favorable Landing Conditions EAFB/Benign Weather Criteria	5-9
V-8	Probability of Favorable Landing Conditions EAFB/Moderate Weather Criteria	5-10
V-9	Probability of Favorable Landing Conditions EAFB/Severe Weather Criteria	5-11
V-10	Probability of Unfavorable Conditions for Individual Weather Elements for KSC Launch for Moderate Weather Criteria	5-13
V-11	Probability of Unfavorable Conditions for Individual Weather Elements for KSC Landing for Moderate Weather Criteria	5-14
V-12	Probability of Unfavorable Conditions for Individual Weather Elements for EAFB Landing for Moderate Weather Criteria	5-15
V-13	Probability of Favorable Landing Conditions KSC/Moderate Weather Criteria for Launch 3 Hrs. Before Landing Time	5-16

LIST OF ILLUSTRATIONS (Cont'd)

Figure		Page
V-14	Probability of Favorable Landing Conditions KSC/Moderate Weather Criteria for Launch 6 Hrs. Before Landing Time	5-17
V-15	Probability of Favorable Landing Conditions KSC/Moderate Weather Criteria for Launch 12 Hrs. Before Landing Time	5-18

LIST OF TABLES

Table		Page
I-1	Space Transportation System Weather Criteria	1-2
III-1	Hurricane Data - Days between 1957 and 1970 when a hurricane was within 100 nautical miles of Cape Canaveral	3-4

I. INTRODUCTION

The planning of the Orbital Flight Tests (OFT) for the Space Transportation System (STS) will require a careful analysis of the effects of the atmospheric environment on the STS. The first OFT probably will be conducted under meteorological conditions similar to these defined in this study as benign conditions. Later OFT operations probably will allow more stringent meteorological conditions. The objective of this study has been to present an analysis of natural environment parameters that may prove useful in STS mission planning.

Three sets of meteorological criteria were used to determine the probabilities of favorable launch and landing conditions. The criteria sets are composed of weather events which may be of concern in the planning and operations of OFT missions. These criteria include peak ground winds, winds aloft, cloud cover, ceiling, visibility, precipitation and thunderstorm activity. Other possible environmental factors, such as sea state which could affect the SRB recovery or atmospheric conditions relating to the exhaust cloud, were not considered in these criteria. These criteria sets, which are shown in Table I-1, range from rather stringent weather requirements in the case of benign weather to fairly liberal conditions in the case of severe weather. The individual criterion will be discussed briefly in Section II and the effects of these criteria on the launch and landing probabilities will be discussed with other results in Section V.

A unique data base was constructed from the meteorological data used for this study. The new data base and the original data records will be described in Section III. Briefly, the data consist of fourteen years of weather records, 1957-1970, from both KSC and Edwards Air Force Base (EAFB). The data included surface observations for EAFB and KSC, upper winds

TABLE I-1. SPACE TRANSPORTATION SYSTEM WEATHER CRITERIA

Proposed Weather Conditions for STS Operations	BENIGN		MODERATE		SEVERE	
	Launch	Landing	Launch	Landing	Launch	Landing
Ground Winds (Peak values at 33')	15 kt	15 kt Crosswind	20 kt	15 kt Crosswind	20 kt from (150°-210°) 30 kt from (all other) azimuths	20 kt Crosswind
Winds Aloft (Vector Difference)	Mean monthly ±20 m/sec (5-15 km)	Mean monthly ±20 m/sec (5 km interval)	Mean monthly ±30 m/sec (5-15 km)	Mean monthly ±30 m/sec (5 km interval)	Mean monthly ±35 m/sec (5-15 km)	Mean monthly ±35 m/sec (5 km interval)
Clouds	≤ 3/10	≤ 3/10	≤ 7/10	≤ 7/10	N/A	N/A
Ceiling	Unlimited	Unlimited	>4000 ft	>4000 ft	N/A	≥ 2000 ft
Visibility	> 7 mi	> 7 mi	> 3 mi	> 7 mi	N/A	> 1 mi
Precipitation	None Allowed	None Allowed	None Allowed	None Allowed	R-,RW- L-, L	R-, RW- L-, L
Thunderstorm	None Allowed	None Allowed	None Allowed	None Allowed	w/ceiling ≥ 4000 ft	w/ceiling ≥ 4000 ft*
Thunderstorm in Glide Path	N/A	None Allowed	N/A	None Allowed	N/A	None Allowed

* Thunderstorm in area acceptable if ceiling is greater than or equal to 4000 ft.

R - Light Rain

RW - Light Rain Showers

L - Light Drizzle

L Drizzle

data for KSC, and some special observations of peak winds and of thunderstorms for KSC. Unfortunately the upper wind data for EAFB were not in a form that could be used in this study; and, consequently, that criterion could not be evaluated for landings at EAFB. These upper wind data from EAFB should be put in an appropriate form and this criterion evaluated in a later study.

The mathematical and computer techniques used in this study are described in Section IV. The matehmatical techniques used were straightforward. The probability of favorable (and unfavorable) weather for launch or landing, given that all the criteria were satisfied, was computed for various times of day for each criteria set. Also, the conditional probability of unfavorable weather occurring after a delay caused either during favorable or unfavorable conditions was computed. Similarly, the probability and conditional probabilities were computed for each individual criterion so that the cause of meteorological delays can be determined. The computer techniques use a novel approach to data structures which enabled the statistical programs to be constructed in a simple and reasonably general form.

The results of this study are discussed in Section V. In general, it was found that the best launch and landing probabilities occur during the summer months and during the hours between 2200 and 1000 LST. The period of lowest probability of favorable weather conditions occurs in February, March, and April. To use moderate weather criteria for an example, favorable weather conditions of launch at KSC have a probability of less than 70% during all daylight hours, however, these are less than 40% for most daylight hours from January through March; but, exceed 70% in the predawn hours of July and August. Similar probabilities are found for landing conditions at KSC and EAFB for moderate criteria, but they are somewhat greater due to less restrictive landing criteria. These results are presented in 15 figures in Section V, which also illustrate benign and severe weather criteria and

some of the individual weather elements responsible for unfavorable weather conditions.

The entire study is summarized in Section VI. In this section it is recommended that upper winds at EAFB be evaluated and the landing probabilities recomputed. It is suggested that the cloud cover criteria could be refined and correlations between the weather elements be performed to assist in the framing of future weather criteria sets for aerospace planning and operations. It is mentioned that existing computer programs and data files could be further generalized and simplified to make them accessible to a wider range of problems and to more users.

Finally, two Appendices are presented which contain the tabulated results of this study. Appendix A contains information relevant to the use of the tables such as a description of the tables and several worked examples of problems which could be solved using the tables. Appendix B contains all the tabulated results. These two Appendices together with Table I-1 and several figures from Section V could be used as a separate and complete manual.

Science Applications, Inc.
Proprietary Data

II. WEATHER CRITERIA

This section entails a brief description of each weather element used in the mission criteria. Some of the criteria found in Table I-1 are also discussed. Discussion of the format and extent of the data is left to Section III. No consideration was given to the instrumentation used in obtaining the data since these data have been used in numerous other studies and such considerations have been described elsewhere.

A. GROUND WINDS

The ground winds criteria are specified for peak winds only. Peak wind values at 10 meters (33 feet) were used as criteria for both launch and landing conditions. Peak winds at KSC were obtained from an analysis of surface wind records performed by the National Climatic Center (NCC) for the NASA/MSFC Aerospace Environment Division. These winds represent the maximum observed wind speed during a given hour and the concurrent wind direction.

During periods when peak wind records were not available or missing, the surface winds were used to calculate the peak winds using a gust factor

peak wind = gust factor x observed surface wind

The gust factor used for KSC was 1.68. Since no peak wind data was available from EAFB, peak winds for EAFB were calculated using this technique with a gust factor of 1.4. When this technique was used, the peak wind direction was assumed to be in the same direction as the observed surface wind.

For Orbiter landing, only the runway crosswind component of the peak wind was used for a criterion. For KSC the runway orientation is 150° - 330°. For EAFB there are two runways, 040°-220° and 170°-350° and, thus, the peak crosswind

used for comparison with this criterion was the minimum value relative to the two runways.

B. UPPER WINDS

Wind speeds and directions are available for KSC in serially complete form from 1 to 27 km, two or four times per day, and were converted to North and East wind components. These values were linearly interpolated in time at each altitude to give a full 24 hour record. The vector wind criteria were tested using the monthly mean wind components published by Falls*. For Launch conditions, any exceedence of the criteria at any altitude between 5 km and 15 km was recorded as an unfavorable condition. For landing, the upper wind criteria had to be exceeded for an atmospheric layer at least 5 km deep anywhere from 1 km to 27 km for an unfavorable condition to be recorded.

As mentioned in the Introduction, upper wind data at EAFB were not available in a form appropriate for the present calculation. Consequently, upper winds at EAFB were not included in the computation of landing statistics.

C. CLOUD COVER

The cloud cover is the total sky cover which is recorded in tenths. Neither the height of nor the form of the clouds were considered in this criterion.

D. VISIBILITY

The visibility is the greatest horizontal distance at which prominent objects can be clearly observed. The criterion is straightforward and needs no explanation.

*Falls, L. W., "Normal Probabilities for Cape Kennedy Wind Components -- Monthly Reference Periods for All Flight Azimuths--Altitudes 0 to 70 Kilometers," NASA Technical Memoranda, NASA TMX-64771, 1973

E. CEILING

The ceiling is defined as being the height at which the sky is more than 5/10 covered, including all clouds at or below that level.

F. PRECIPITATION

No form of precipitation is permitted under either benign or moderate weather conditions for STS missions. However, under severe launch or landing conditions light rain R-, rain showers RW- and light L- to moderate L drizzle is permitted.

G. THUNDERSTORM/THUNDERSTORM IN GLIDE PATH

The thunderstorm data used for this study comes from a specially prepared thunderstorm record. This record notes all thunderstorm occurrences, not just those occurring at a given observation time. In addition to initial time of thunderstorm occurrence, the record also includes the duration of the storm, the octant (N, NE, E, etc.) in which the storm first and last appeared, the intensity of the storm, and various other parameters associated with the thunderstorm.

A thunderstorm in the glide path is considered to occur whenever a storm occurs at some time in its duration within one of the three western octants (NW, W, SW). A storm occurring in one of these octants is recorded as being in the glide path for its entire duration. This is a very conservative measure since none of the proposed glide paths intersects all three octants. Also, no adjustment is made for storm movement which would reduce the number of occurrences of thunderstorms in the glide path.

III. DATA

A significant amount of data was processed for this study. Some of the data manipulation and procedures were described in Section II. In this Section the data will be discussed in more general terms and with regard to the specific magnetic tape records. The data used in this study included:

- o Surface observations
- o Upper winds
- o Peak winds
- o Special thunderstorm records

These data were accumulated, processed and merged onto usable data files for both KSC and EAFB.

A. DATA SOURCES

1. Surface Data

Surface observation data for KSC and EAFB were obtained from the National Climatic Center by the NASA/MSFC Aerospace Environment Division for this project. The KSC data was available for the years 1957 through 1971; and the EAFB data was available for the years 1949 through 1970. All data were in card image tape records and coded in accordance with the Tape Reference Manual TDF-14. These data were recoded and placed on a binary tape.

2. Upper Winds

Upper wind data for KSC were provided in a serially complete record for the years 1956 through 1970. These data were in card image records corresponding to the Deck 600 card format.

The upper wind speeds and direction were available from 1 km through 27 km for KSC. The winds were observed twice a day from 1956 through 1961 at 0300 and 1500 GMT; four times a day from 1962 through 1966 at 0000, 0600, 1200 and 1800 GMT;

and twice a day from 1967 through 1970 at 0000 and 1200 GMT. To make these winds available on an hourly basis, a linear interpolation was performed on the wind components at each altitude. The hourly winds were reformatted and placed on binary tape.

The upper winds data from EAFB were not complete nor systematically observed, with respect to time or altitide, throughout the record which included dates from 1942 through 1968. Overlapping records from two differently formatted tapes, Deck 645 and Deck 535, were provided for the study. These data were merged to form a single, sequential, non redundant tape record in a Deck 535 format. Missing interlevel data was linearly interpolated from the wind components; but, the records were not necessarily completed from 1 to 27 km since no extrapolation was attempted. Nor were the data necessarily completed by interpolation through any consistent fixed altitude range. Because of the extensive time intervals frequently encountered between wind observations, which were found for nearly every month and nearly every year, no interpolation in time was attempted.

As a result of the incomplete upper wind record it was necessary to decide whether to complete the data through some questionable assumptions, to compute landing probabilities at EAFB for only those times when upper winds were available for the appropriate altitudes, or to remove the upper winds criteria. Reluctantly, the last choice was selected and upper winds at EAFB were not included in the EAFB Data File.

3. Peak Winds

A specially prepared peak winds data tape for KSC was provided for the period September 1958 through December 1975. These data were in card image on a specially formatted tape. Missing peak wind data were filled using the observed surface

wind speed multiplied by a gust factor of 1.68 and retaining the wind direction.

Peak winds at EAFB were computed from the observed surface winds using a gust factor of 1.4.

4. Thunderstorm Data

A specially prepared thunderstorm record for KSC was made available by NASA/MSFC. These records noted all thunderstorms occurring between 1957 and 1972. The data were originally in tabular form and were converted to a tape file. From this tape file thunderstorm occurrence and thunderstorm in glide path were recorded on the KSC Data File used in this study.

5. Hurricanes

Days when a hurricane was within 100 nm of Cape Canaveral are noted in the KSC Data File. Table III-1 lists those hurricanes recorded.

B. DATA FILES

1. KSC Data File

The KSC Data File is comprised of atmospheric data from 1957 through 1970. It is composed of daily logical records each of which has twenty-four 60 word records such as the one shown in Figure III-1. Most of the data has been merged from data files previously discussed. The TAG following the ground wind speed, in Figure III-1, indicates whether the peak wind was observed or computed using a gust factor. The TAG following the 27 km Upper Winds indicates whether the upper winds were observed or interpolated. The Peak Crosswind was computed from the peak wind relative to the KSC runway and was discussed briefly in Section II.

Table III-1. Hurricane Data - days between 1957 and 1970 when a hurricane was within 100 nautical miles of Cape Canaveral.

Year	Date	Minimum Distance (N Mi)	Intensity (mph)	Storm Name
1959	June 18	<25 WNW	80	None
1959	Oct. 18	87 SW	50	Judith
1960	Sept. 11	56 WNW	125	Donna
1960	Sept. 24	51 SSW	30	Florence
1962	Aug. 26	<25 E	35	Alma
1963	Oct. 24	76 NE	80	Ginny
1964	Aug. 27	<25 SSE	100	Cleo
1964	Sept. 09	79 N	120	Dora
1964	Oct. 14	74 SE	100	Isbell
1967	Sept. 09	88 ESE	40	Doria
1968	June 06	<25 NE	55	Abby
1968	June 19	30 W	30	Brenda
1968	Aug. 10	<25 S	30	Dolly
1968	Oct. 19	81 NW	80	Gladys
1969	Aug. 24	80 NNE	20	Eve
1969	Sept. 07	<25 SSE	50	Gerda
1969	Oct. 09	<25 NW	35	Jenny

Figure III-1. Basic Record Format for KSC Weather Data for SAI Generated Files.

YEAR	MONTH	DAY	HOUR	HURRICANE INDICATOR	CEILING HEIGHT	VISIBILITY	GROUND WIND DIRECTION	GROUND WIND SPEED	TAG
PEAK WIND DIRECTION	PEAK WIND SPEED	PEAK CROSS WIND	TOTAL CLOUD AMOUNT	TEMP	RELATIVE HUMIDITY	PRESSURE	PRESENT WEATHER 1	PRESENT WEATHER 2	PRESENT WEATHER 3
PRESENT WEATHER 4	PRESENT WEATHER 5	PRESENT WEATHER 6	PRESENT WEATHER 7	PRESENT WEATHER 8	1 KM UPPER WIND	2 KM UPPER WIND	3 KM UPPER WIND	4 KM UPPER WIND	5 KM UPPER WIND
6 KM UPPER WIND	7 KM UPPER WIND	8 KM UPPER WIND	9 KM UPPER WIND	10 KM UPPER WIND	11 KM UPPER WIND	12 KM UPPER WIND	13 KM UPPER WIND	14 KM UPPER WIND	15 KM UPPER WIND
16 KM UPPER WIND	17 KM UPPER WIND	18 KM UPPER WIND	19 KM UPPER WIND	20 KM UPPER WIND	21 KM UPPER WIND	22 KM UPPER WIND	23 KM UPPER WIND	24 KM UPPER WIND	25 KM UPPER WIND
26 KM UPPER WIND	27 KM UPPER WIND	TAG	THUNDER-STORM IN CRITICAL AREA	THUNDER-STORMS IN AREA					

SAI-0981

2. EAFB Data File

The EAFB Data File is similar to the KSC Data File except that all peak winds are computed from the ground winds and that no upper winds are included. The peak crosswind is the minimum wind component relative to the two runways at EAFB as discussed in Section II.

IV. METHODS

A. MATHEMATICAL TECHNIQUES

Only the probability and conditional probabilities were calculated in this study. The methods used employ the empirical definitions of the parameters. Given a sample space S on which an event A is defined then the probability of A occurring is

$$P\{A\} = \frac{N_A}{N}$$

where N_A is the number of occurrences of A within the sample space S which is composed of N members. Similarly, the conditional probability of A occurring, given that B has already occurred is

$$P\{A|B\} = \frac{P\{AB\}}{P\{B\}} = \frac{N_{AB}}{N_B}$$

where $P\{AB\} = P\{A \cap B\}$ is the probability of both A and B occurring. In the equation N_{AB} is the number of occurrances when both A and B were observed and N_B the number of occurrances of B.

To obtain a measure of the probability of favorable weather conditions for a STS launch, for instance, at a given hour for a given month, the sample space is composed of all data for that month and hour for all years (1957-1970).

Hurricane days and days with missing data have been deleted from the data for calculations of launch and landing probabilities. (Notice this differs from earlier studies when the day on either side of the hurricane day was also deleted.) However, these data were not deleted from the calculation of mission statistics due to a slightly different

computer technique used to count events. Consequently, the two results differ slightly (less than 0.8%). No mission probabilities are computed for EAFB. It has been assumed that the meteorological conditons for landing at EAFB are independent of launch conditions at KSC. That is if A is the event favorable landing conditions at EAFB and B is the event "favorable launch conditions," then

$$P\{A|B\} = P\{A\}$$

or

$$P\{AB\} = P\{A\}P\{B\}.$$

Thus, the probability of a successful landing at EAFB given a successful launch from KSC is the same as the probability of a successful landing at EAFB at the desired time. To compute the probability of a successful mission with a KSC launch and EAFB landing requires only the multiplication of the launch probability and the landing probability for the appropriate times. For KSC launch and a KSC landing, however, one would have for missions lasting 48 hours or less

$$P\{AB\} = P\{B\}P\{A|B\};$$

thus another set of tables is required for this mission.

B. COMPUTER TECHNIQUES

1. Data Compaction

The calculation of launch and landing probabilities required the data to be in one of two categories: those data which satisfy the given criteria and those which do not. Thus, a single piece of data can be reduced to an indicator function

$$\phi = \begin{cases} 0 \text{ if criterion is satisfied} \\ 1 \text{ if criterion is not satisfied} \end{cases}$$

Using this function all hourly data can be reduced to a set of indicator functions.

$$\Phi = \{\phi_1, \phi_2, \ldots \phi_n\}$$

for the n weather criteria needed to satisfy an operational constraint. Moreover, if one is not interested in the individual criteria then Φ itself can be reduced to a simple indicator function.

Thus the first step in calculating launch/landing probabilities is to reduce the data to a series of functions $\Phi^{\alpha}_{\beta,\gamma,\delta}$ where α indicates the month, β the year, γ the day and δ the hour at which the criteria were examined. The binary nature of the indicator functions $\phi_i(\alpha,\beta,\gamma,\delta)$ allow all the criteria for a given set $(\alpha,\beta,\gamma,\delta)$ to be reduced to a single computer word, or even part of a word.

Since the data is to be analyzed by months, the next step is to group the data in sets

$$\Phi^{\alpha} = \left\{\Phi^{\alpha}_{\beta,\gamma,\delta} : \beta = 1,\ 14;\ \gamma = 1,\ 35;\ \delta = 1,\ 24\right\}$$

where γ runs between 1 to 35 to give an "augmented month" allowing the computation of 96 hr conditional probabilities. The set Φ^{α} is ordered such that

$$\Phi^{\alpha} = \left\{\Phi^{\alpha}_{1,1,1}, \Phi^{\alpha}_{1,1,2}, \ldots, \Phi^{\alpha}_{1,2,1}, \Phi^{\alpha}_{1,2,2}, \ldots, \Phi^{\alpha}_{14,35,24}\right\}.$$

The advantage of compacting the data fields is not only the greater efficiency gained for the entire computer computation, but it also allows greater simplification and generality of the programs. This technique minimizes the number of computer input-output operations required.

2. Launch/Landing Program

The launch/landing program requires the calculation of the probability of occurrence of the individual criterion $P\{\phi_i\}$, as well as the conditional probabilities in the individual criterion $P\{\phi_i(t+\Delta t)|\phi_i(t)\}$, where t is the observation time. In addition to these individual criterion probabilities, the joint probability that no criterion is violated must be calculated $P\{\Phi(t) = 0\}$.

3. Mission Program

Whereas the launch/landing program requires the indicator functions ϕ_i, the mission program requires only indicator functions $\Phi_{Launch}(t)$ and $\Phi_{Landing}(t)$. Then the mission program computes

$$P\{\Phi_{Launch}(t)\}$$

and

$$P\{\Phi_{Landing}(t+\Delta t)|\Phi_{Launch}(t)\}.$$

This program, and calculation, is needed only for KSC missions. The last probability is given the somewhat misleading name "mission probability". In fact, the probability of a successful mission is given for KSC by:

$$P\{\text{successful mission}\} = P\{\text{successful launch at } t\} \times P\{\text{successful landing at } t+\Delta t \mid P\{\text{successful landing at } \Delta t\}.$$

and for EAFB

$$P\{\text{successful mission}\} = P\{\text{successful launch at } t\} \times P\{\text{successful landing at } t+\Delta t\}$$

Successful is defined as meaning that all weather criteria are satisfied.

V. RESULTS

It has been found that the best launch and landing probabilities occur during the summer months and during the hours between 2200 and 1000 LST. The period of lowest probability of favorable weather conditions occurs in the daylight hours (0600 - 1800 LST) during the month of February, in particular, and also during March and April. In general, launch probabilities are lower than landing probabilities due to the more restrictive constraints on winds aloft and peak ground winds.

Probabilities of favorable launch conditions for KSC are presented in Figures V-1 through 3. All these figures show a similar distribution of high and low probability values. The requirement of benign weather conditions for launch, as defined in Table I-1, results in probabilities of such conditions as being less than 10% during all daylight hours in February and March, during afternoon hours in April, July, October, and November. The maximum observed probability of the occurrance of favorable launch conditions under these criteria is 52% occurring just before dawn in July. No calculated value for daylight hours exceeds 40%. The relaxation of these criteria for moderate weather conditions (Figure V-2) increases the probability of favorable launch conditions but the same general distribution of probabilities is found. The least favorable weather occurs during daylight hours from January through March, less than 40%, and the most favorable occurs just before dawn from May through September, greater than 60%. Further relaxation of the weather criteria to allow for severe conditions (Figure V-3) raises the probability of the occurrence of favorable launch conditions to better than 80% over most hours and months. The exception is once again February and afternoon hours during March when the probability of the occurrence of favorable launch

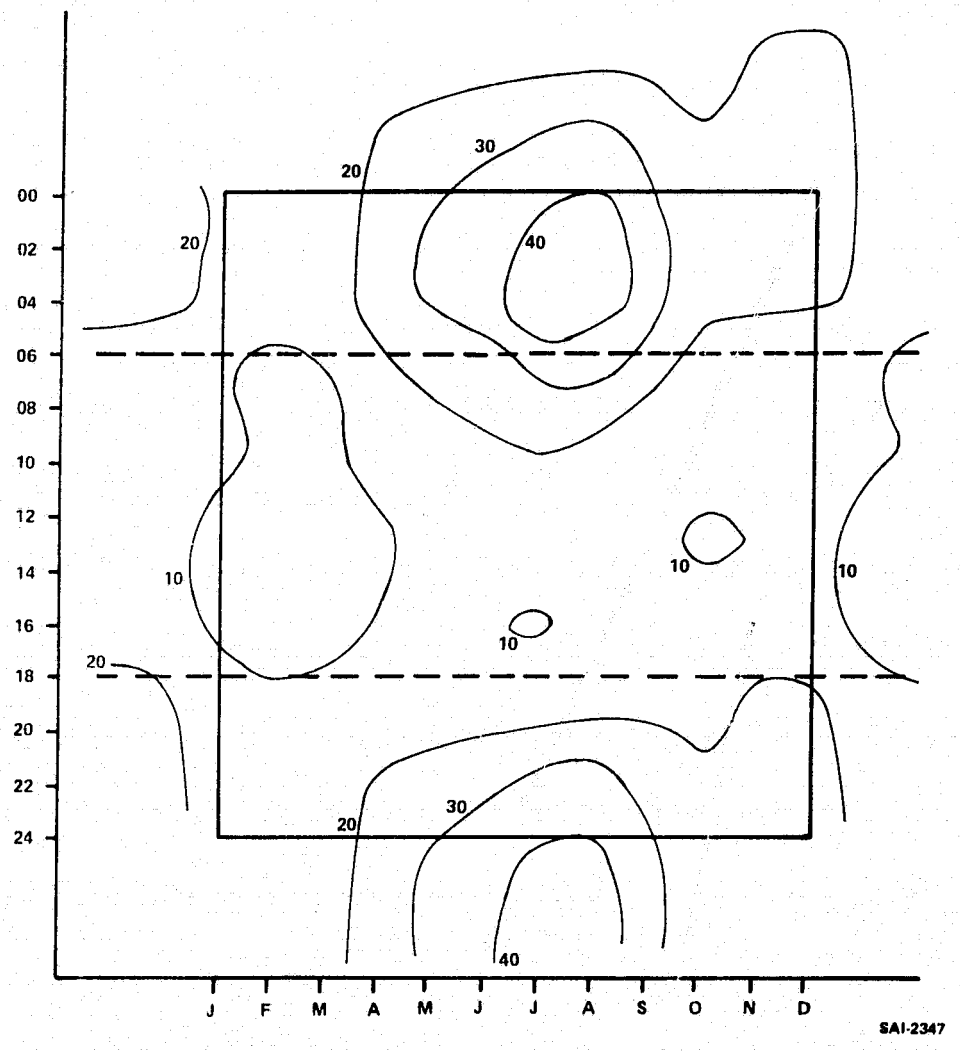


Figure V-1. Probability of Favorable Launch Conditions
KSC/Benign Weather Criteria

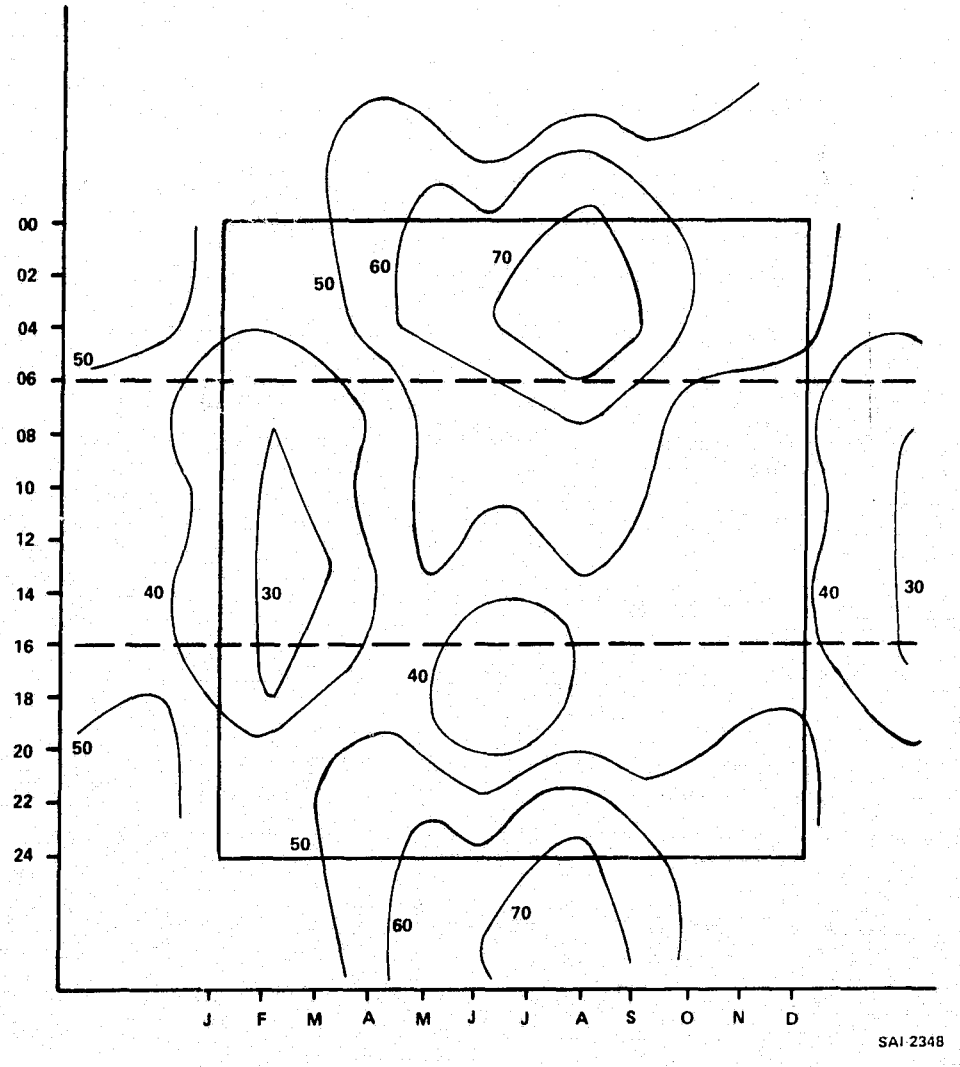


Figure V-2. Probability of Favorable Launch Conditions KSC/Moderate Weather Criteria

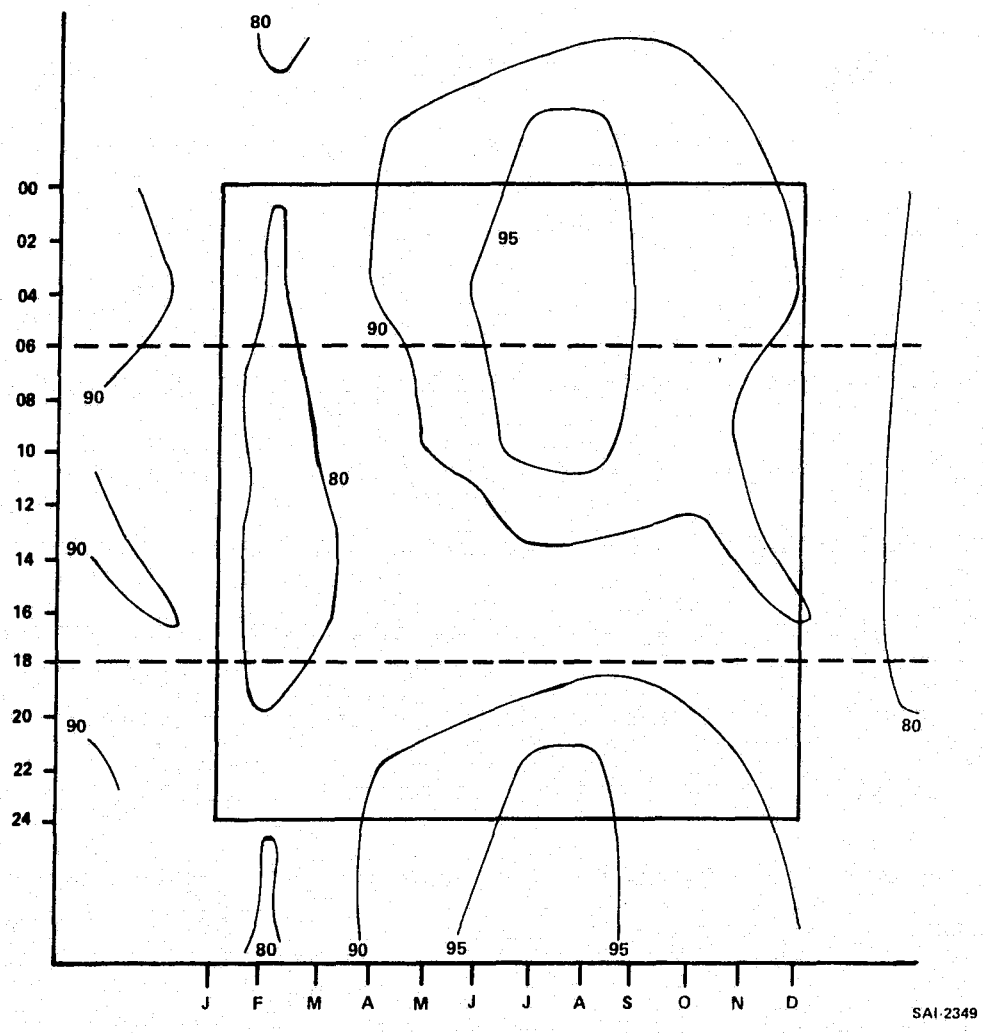


Figure V-3. Probability of Favorable Launch Conditions
KSC/Benign Weather Criteria

conditions is less than 80% and reaches a minimum of about 70%.

The probability of favorable landing conditions at KSC are, in general, better than that for launch. These probabilities for each of the three weather criteria are shown in Figures V-4 through 6. For benign conditions the probabilities of the occurrence of favorable landing conditions are less than 30% during daylight hours reaching minima below 20% in February, June, July and September; however, morning hours in May and most hours in December exceeded 30%. As with launch, the most favorable landing periods occur just before dawn from May through September. Figure V-5 shows the probability distribution for moderate weather criteria. The distribution is very similar to that for benign conditions. The probability of the occurrence of favorable landing conditions exceeds 50% during morning hours for the months from April through September and for most hours in November and December. Similarly when severe weather conditions are allowed (Figure V-6) then the probability of favorable landing conditions exceeds 90% during morning hours from April through August and for afternoon hours in December.

The landing probabilities for favorable weather conditions at EAFB shown in Figures V-7 through 9 are not markedly different in distribution than those for KSC. In general the values are greater for EAFB; but it should be remembered that no upper winds were included in these calculations. It should also be noticed that even when allowing for severe weather conditions (Figure V-9) favorable conditions of less than 90% still occur during afternoon hours for February, March and April.

An indication of the important weather factors contributing to the probability distributions, shown in Figures V-1 through 9, can be obtained from the Figures V-10 through

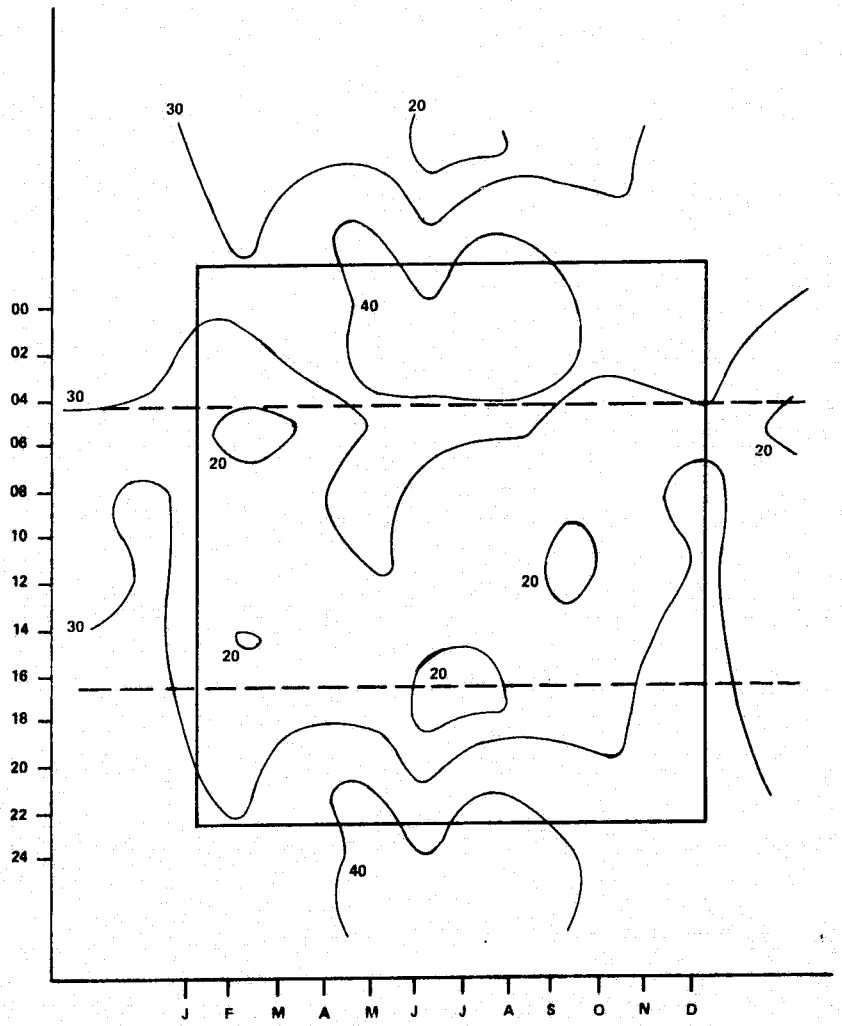


Figure V-4. Probability of Favorable Landing Conditions KSC/Benign Weather Criteria

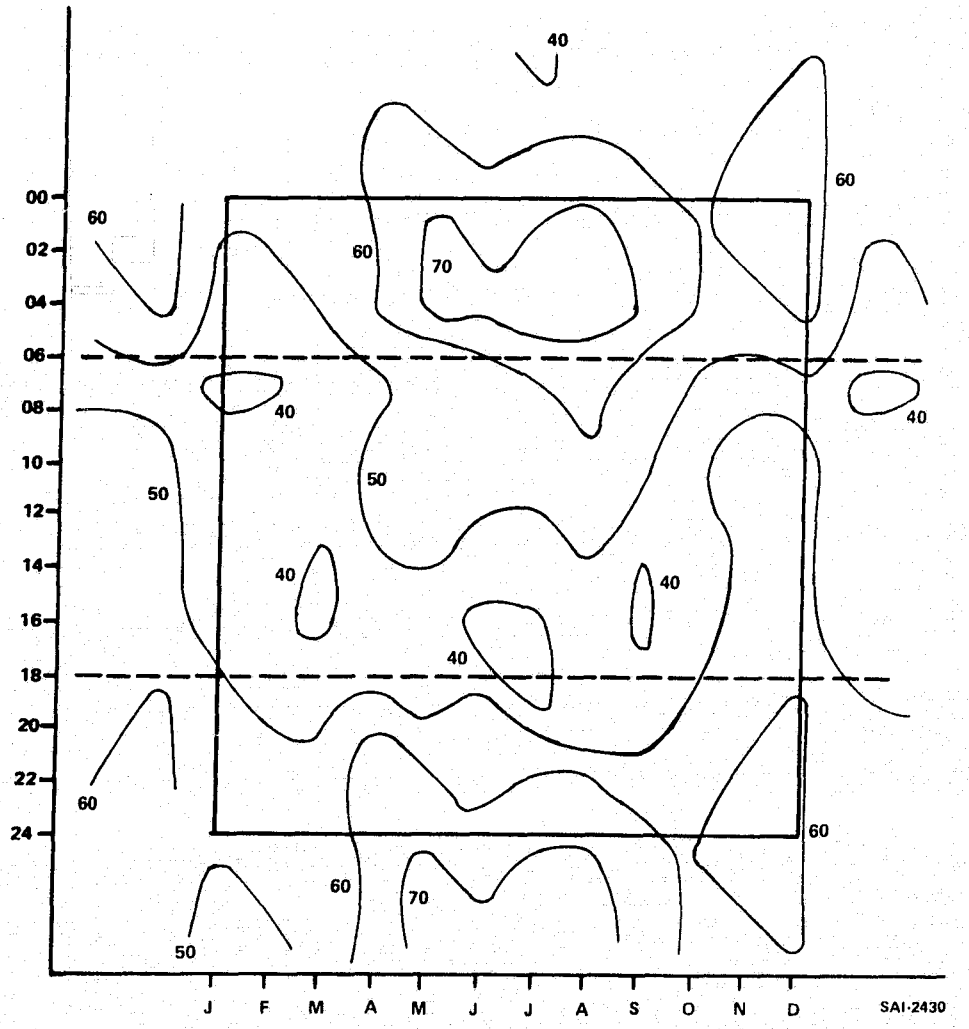


Figure V-5. Probability of Favorable Landing Conditions KSC/Moderate Weather Criteria

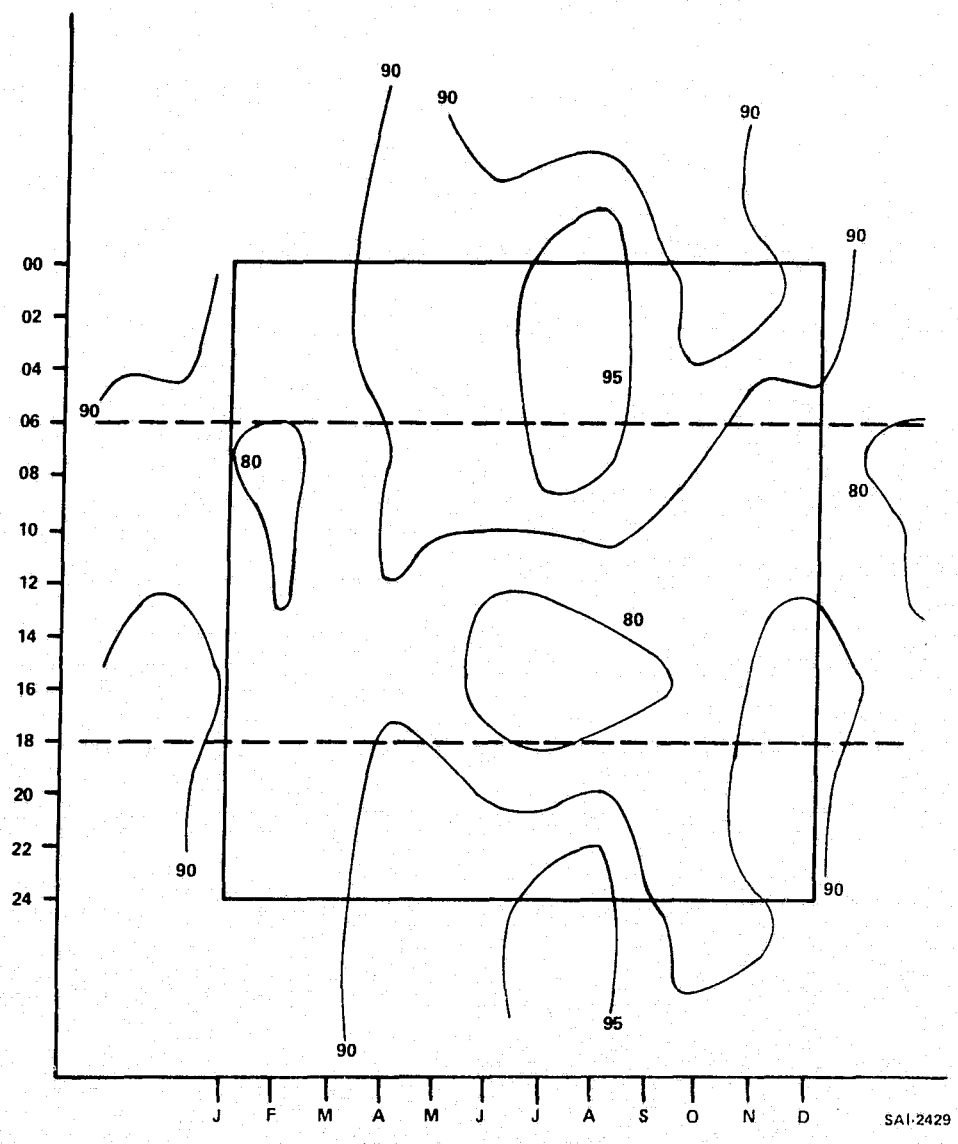


Figure V-6. Probability of Favorable Landing Conditions
KSC/Severe Weather Criteria

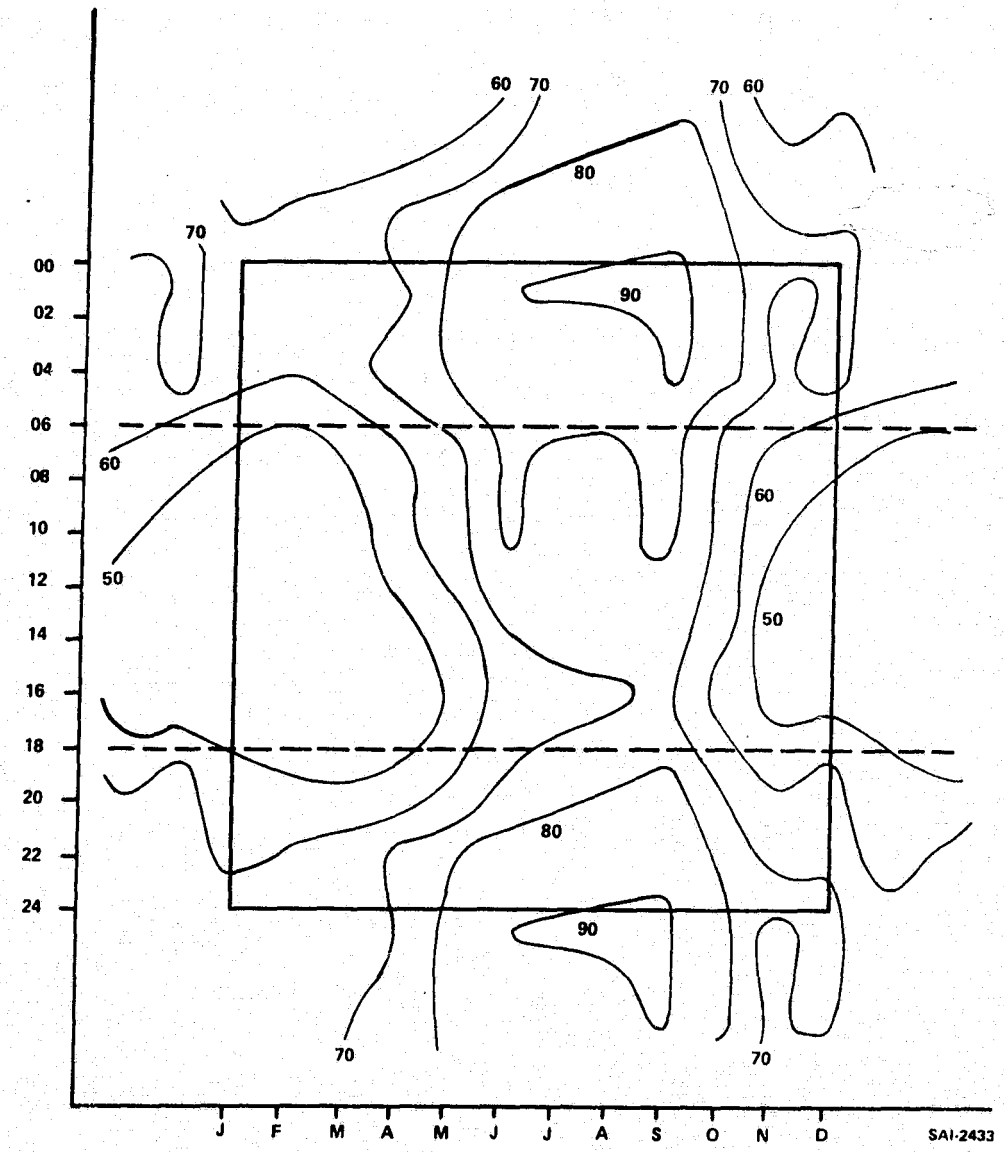


Figure V-7. Probability of Favorable Landing Conditions EAFB/Benign Weather Criteria

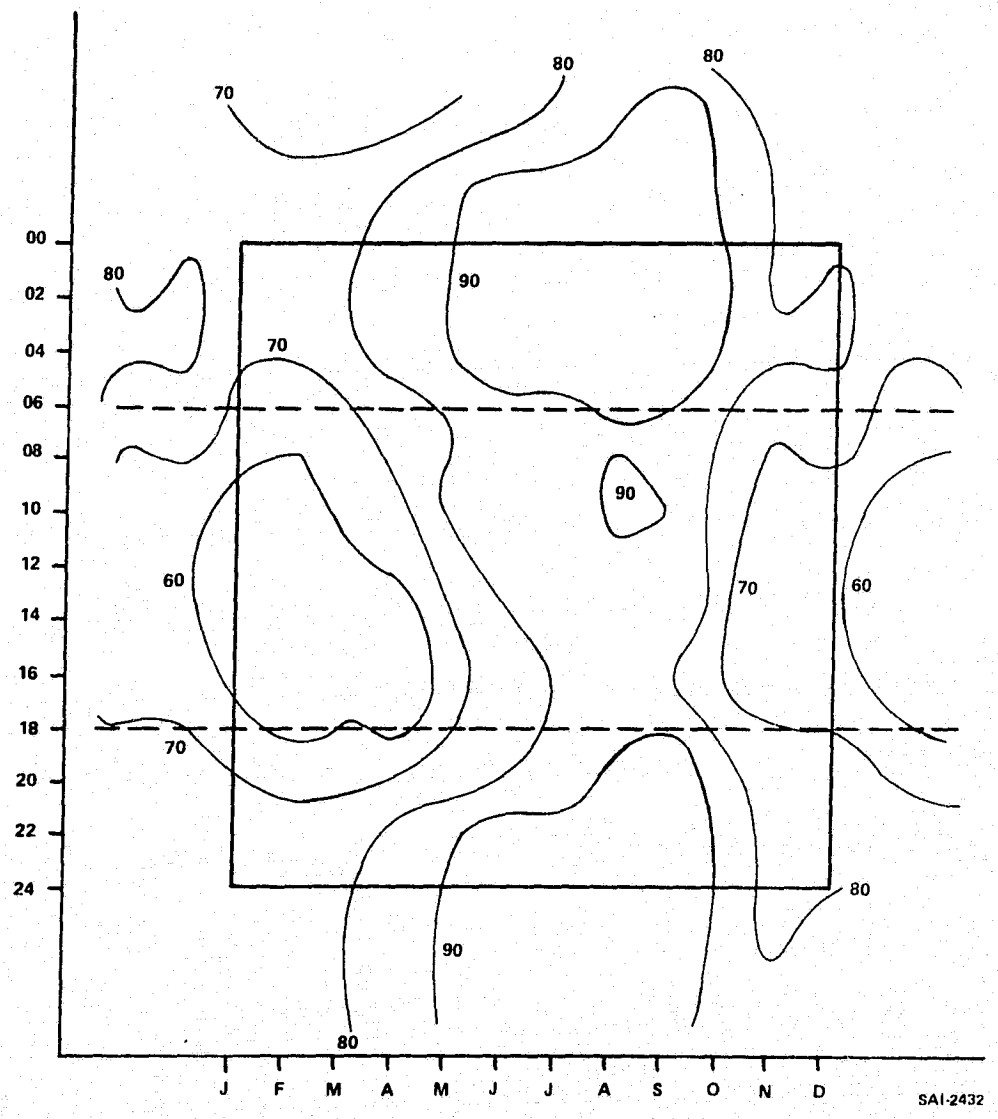


Figure V-8. Probability of Favorable Landing Conditions EAFB/Severe Weather Criteria

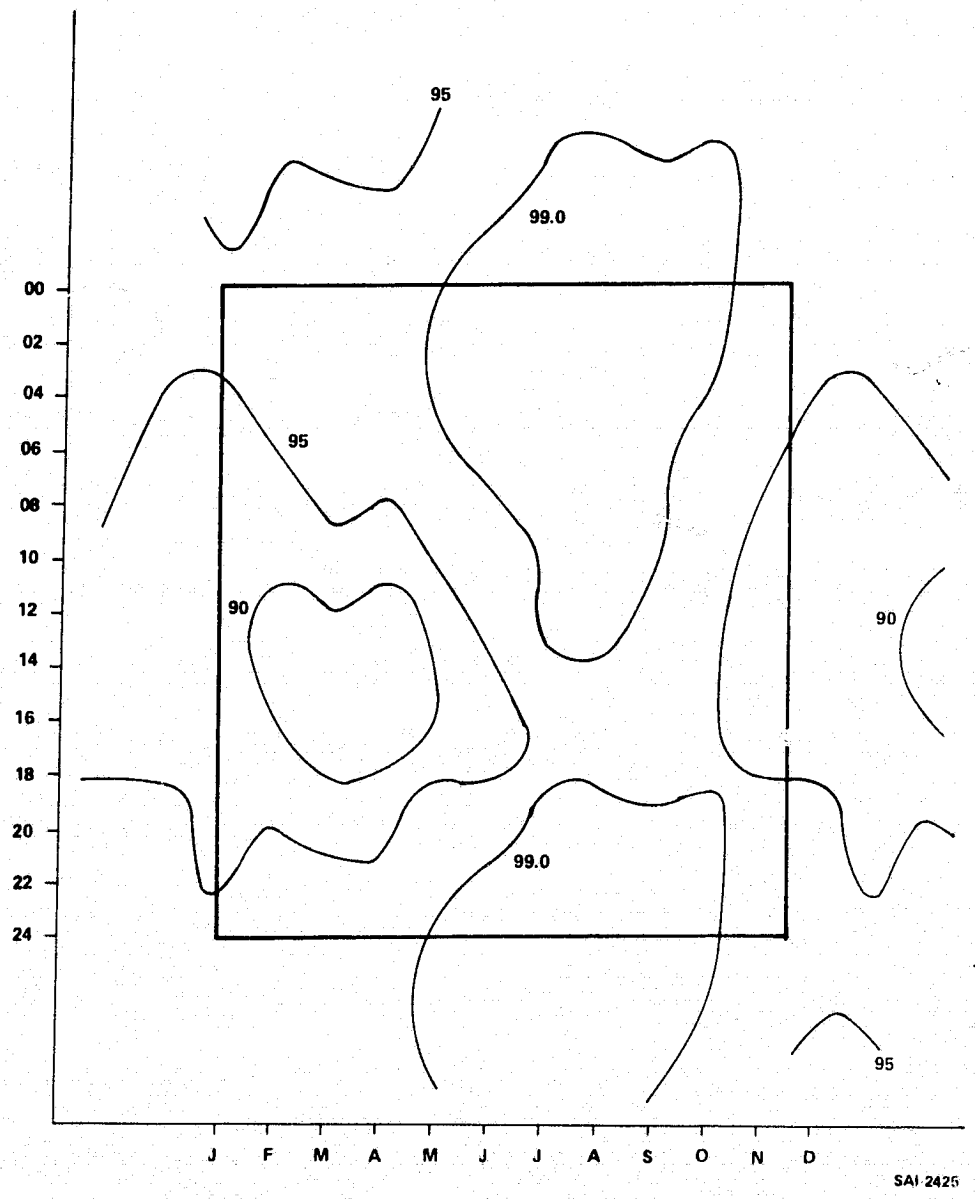


Figure V-9. Probability of Favorable Landing Conditions EAFB/Severe Weather Criteria

V-12. These figures illustrate the probability of unfavorable conditions for several weather factors on a monthly scale for the moderate criteria cases. Illustrated in these figures are only the most important factors. Visibility can be an important factor at both KSC and EAFB but usually only at about 0700. Ceiling is related to cloud cover and is always less in value than cloud cover as a factor. Precipitation is also important but its occurrence is usually less than 10% except at 1600 during periods of strong thunderstorm activity when this factor would be correlated with thunderstorm occurence.

Figure V-10 illustrates the annual cycle of unfavorable events for clouds, winds aloft, peak ground winds and thunderstorms for KSC launch criteria under moderate conditions. Figure V-11 is for KSC landing criteria for moderate weather conditions and does not include clouds since this criteria is the same as that for launch criteria. Figure V-12 is for EAFB landing criteria for moderate weather conditions and includes only clouds and peak crosswinds as weather factors since winds aloft were not considered and other elements do not contribute significantly at the hours considered.

Figure V-10 should be compared with Figure V-2. Cloud cover is seen to be the largest factor contributing to unfavorable launch conditions. The cloud cover is nearly constant throughout the year but is somewhat greater during January, February and March at 1000 LST and from June through September at 1600 LST. Peak ground winds and winds aloft contribute most during winter months and peak ground winds tend to be more prevalent at 1600 than at 1000. Thunderstorms are seen to be an important factor in the afternoon hours during the summer. From these facts it can be seen that the seasonable probability distribution, of Figure V-2, of favorable launch conditions is shaped principally by the wind conditions. This can even be seen in the higher launch probabilities during November and December afternoons which are associated with a

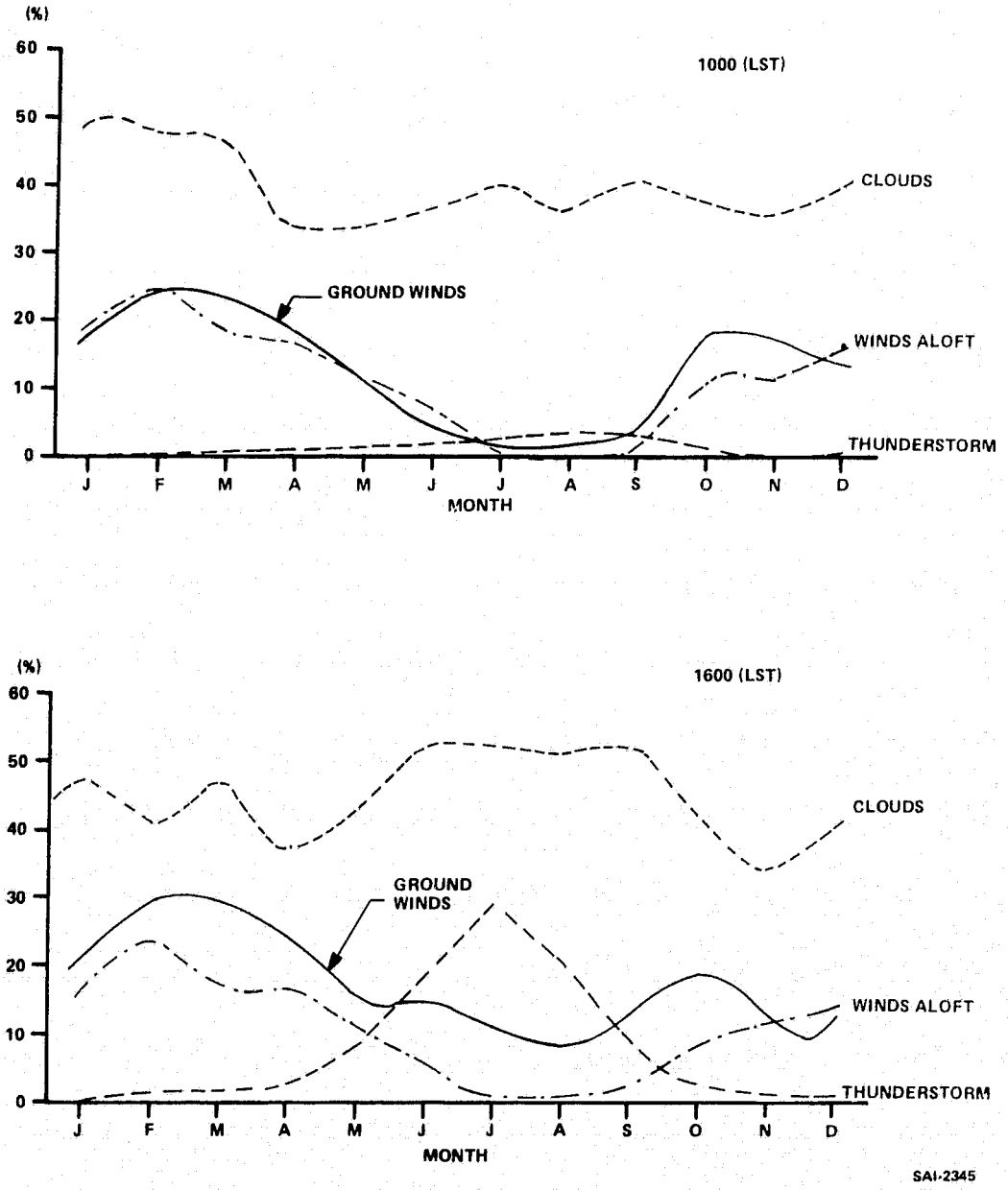


Figure V-10. Probability of Unfavorable Conditions for Individual Weather Elements for KSC Launch for Moderate Weather Conditions

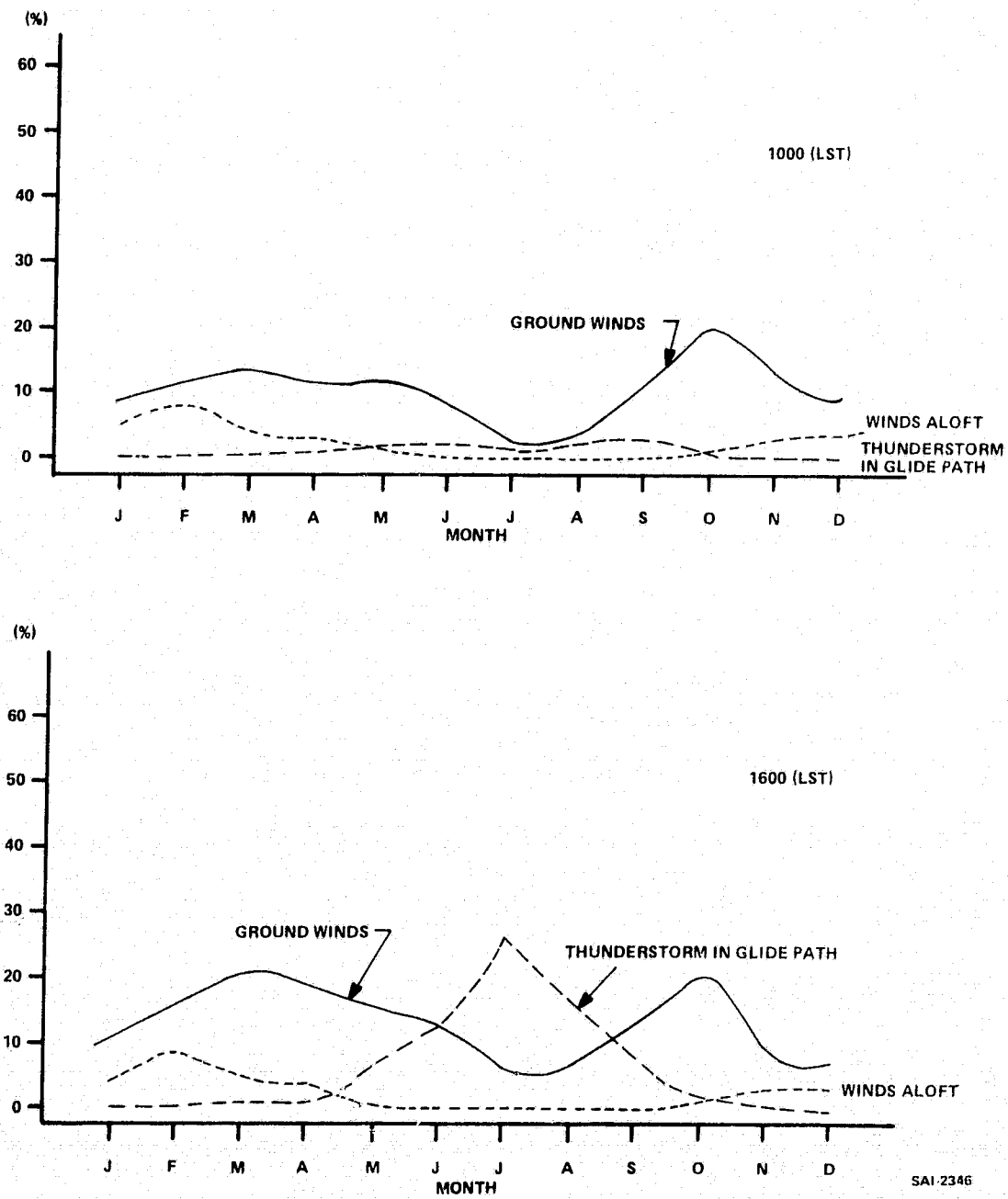


Figure V-11. Probability of Unfavorable Conditions for Individual Weather Elements for KSC Landing for Moderate Weather Criteria

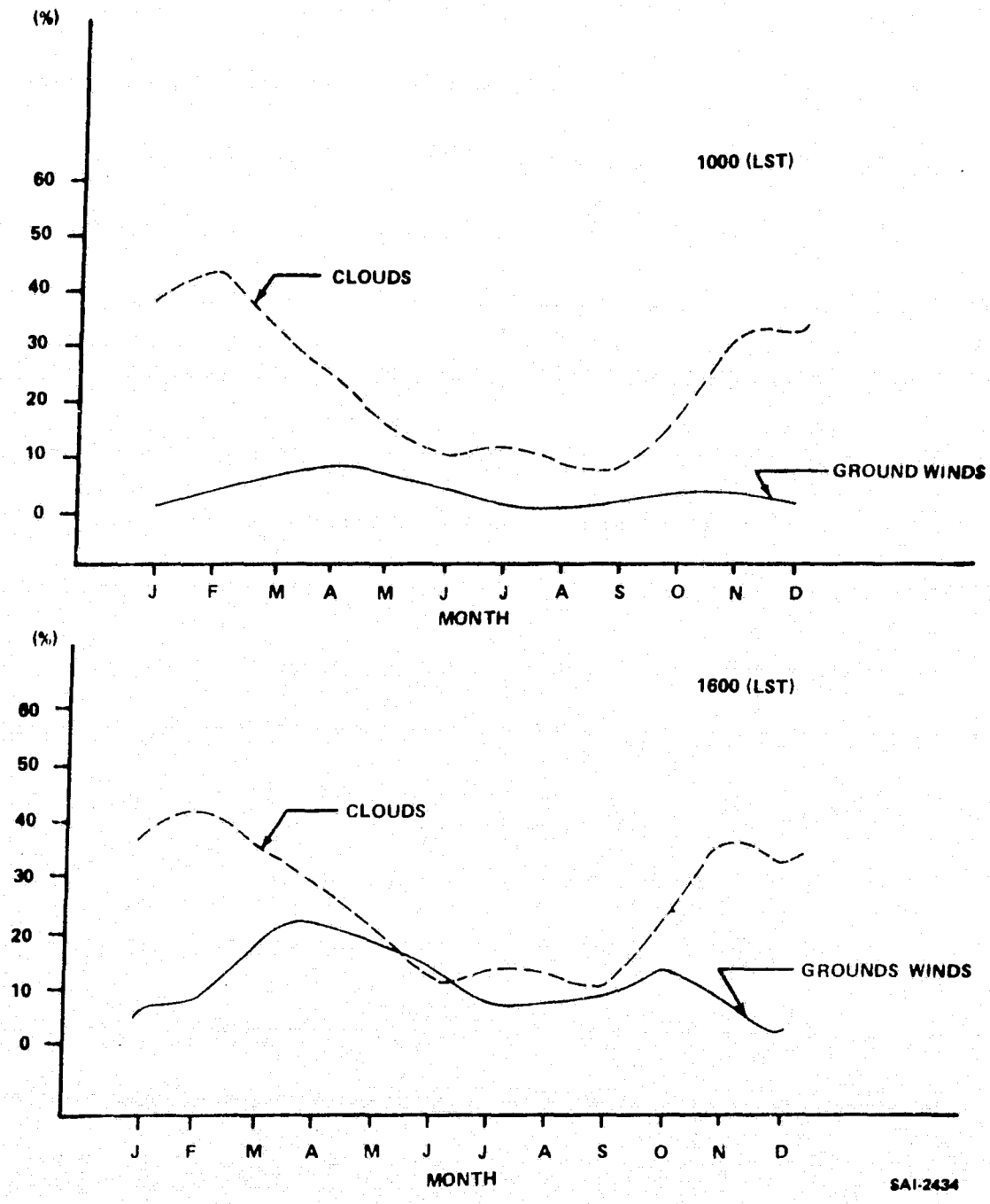


Figure V-12. Probability of Unfavorable Conditions for Individual Weather Elements for EAFB Landing for Moderate Weather Criteri

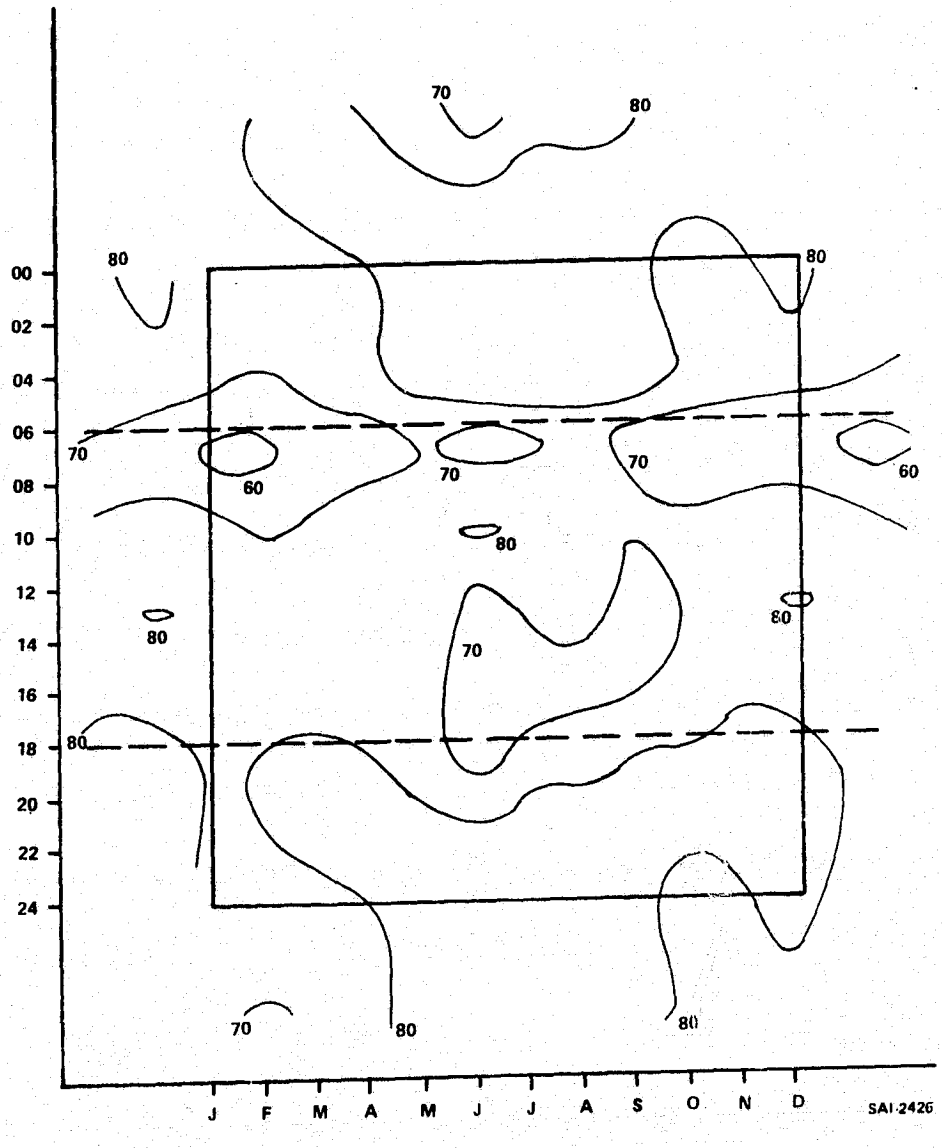


Figure V-13. Probability of Favorable Landing Conditions KSC/Moderate Weather Criteria for Launch 3 Hrs. Before Landing Time

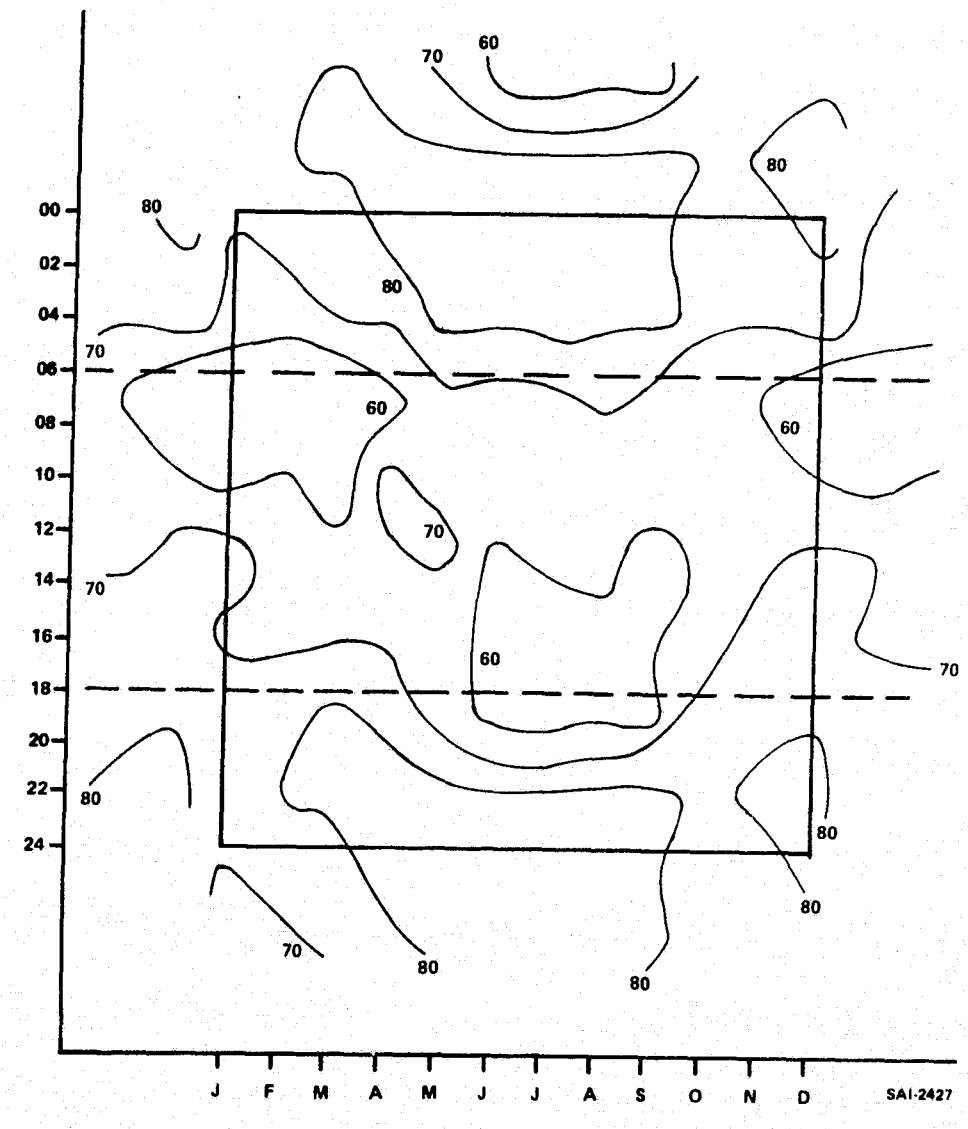


Figure V-14. Probability of Favorable Landing Conditions KSC/Moderate Weather Criteria for Launch 6 Hrs. Before Landing Time

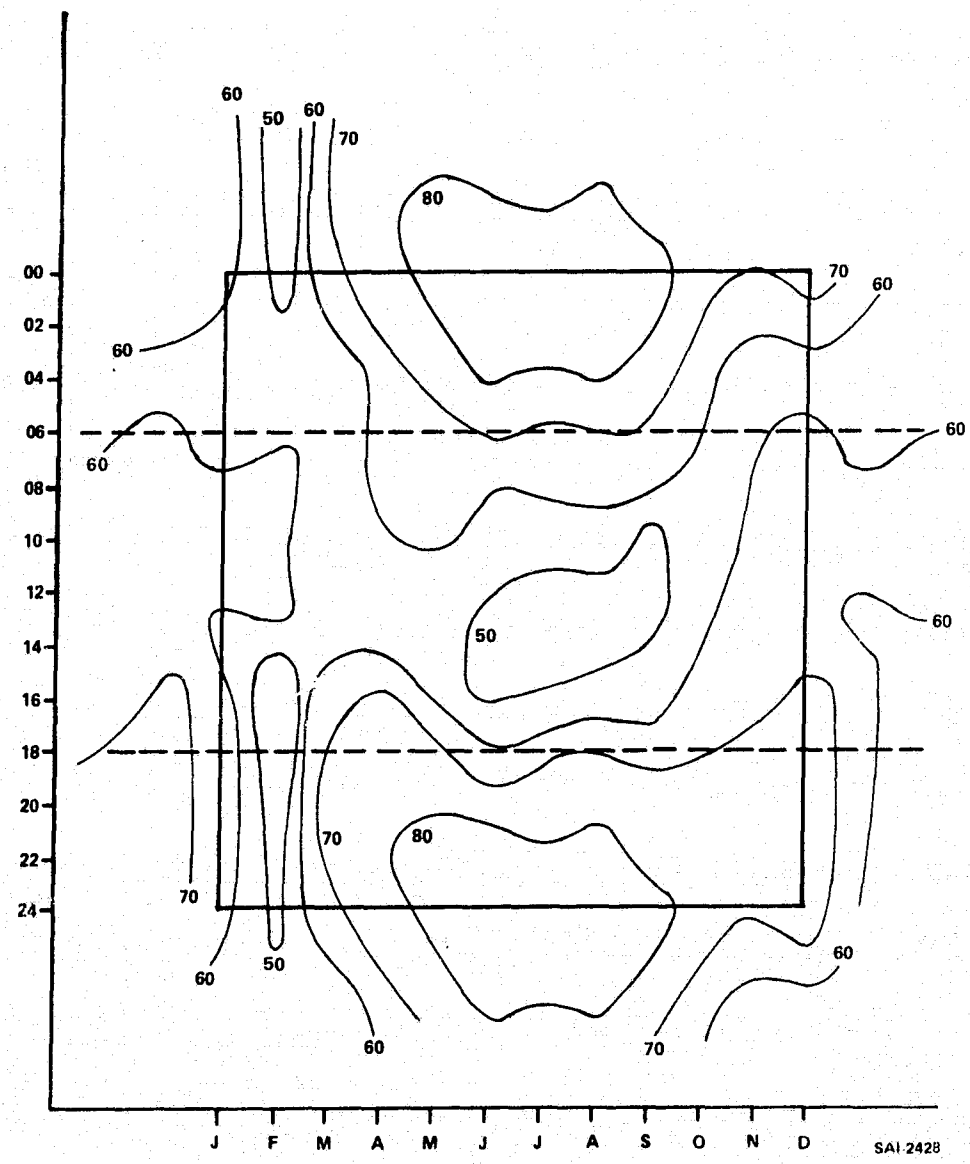


Figure V-15. Probability of Favorable Landing Conditions KSC/Moderate Weather Criteria for Launch 12 Hrs. Before Landing Time

minimum in peak ground winds. The important exception is, of course, summer afternoon conditions which depend strongly on thunderstorm occurrence.

The occurrence of favorable landing conditions at KSC are seen from Figures V-5 and V-11 to yield a result similar to that for launch. There is one important difference here in that the upper winds are not as important a factor as they were for launch. The reason for this condition is of course the fact that any exceedence of the launch criteria between 5 km and 15 km is recorded as an unfavorable event, whereas for landing the criteria has to be exceeded for five consecutive altitude levels between 1 km and 27 km.

Favorable landing conditions at EAFB present a considerably different picture but peak crosswinds still remain as one of the two most important weather elements. Peak crosswinds, as for KSC, produce both seasonal and duirnal effects; and these effects on the probability of favorable landing weather are very similar at EAFB, see Figure V-12, to those at KSC, compare Figure V-11. Cloud cover also shows a strong seasonal trend contributing to less favorable winter landing probabilities shown in Figure V-9.

The probability of favorable weather for landing at EAFB given successful launch from KSC has the same distribution as shown in Figures V-7 through 9 since the two events are assumed to be independent. However, favorable landing conditions at KSC less than 48 hours after launch are not independent of the launch weather conditions. Figures V-13 through 15 show the distribution of landing probabilities at KSC for a launch 3, 6 and 12 hrs. before the landing time. These figures are for moderate criteria only and show a progression of the probability distribution to the unconditional probability distribution shown in Figure V-5. In general Landings at EAFB have a greater probability of favorable weather conditions even for these shorter mission times. The major exception is

February and March when KSC landing conditions are more likely to be favorable for missions of less than 6 hours.

VI. CONCLUSIONS AND RECOMMENDATION

The conclusions to be drawn from this study are fairly straightforward -- for either launch or landing, morning hours are more favorable than afternoon hours and summer months have more occurrence of favorable weather than winter months. The suprising fact is, perhaps, the high values of the unfavorable conditions even for the least restrictive weather criteria. Even at EAFB for the least restrictive weather criteria there are periods when there is a 15% probability of unfavorable landing conditions. Not surprisingly the probability of favorable landing conditions at KSC given favorable launch conditions exceed the probability of favorable landing conditions with no further information, for at least 12 hours. This last observance yields the result that given a successful launch from KSC the probability of favorable weather conditions for landing at KSC are sometimes nearly equal to those at EAFB for missions lasting up to 12 hours and even better for some shorter missions.

It should be remembered that the favorable landing probabilities for EAFB under the given weather criteria are too high since the winds aloft were not used in these calculations. This problem should be evaluated and perhaps, a serially complete record prepared for the winds aloft at EAFB. It would probably be possible to accomplish this task by interpolation using upper air stations adjacent to EAFB.

The cloud cover criterion is a very important factor in the results obtained for benign and moderate weather conditions. For mission and operational planning it would seem advisable to refine this criterion to include the cloud height and perhaps, cloud types contributing to the total cloud cover. These data are not available, in general, on an hourly basis but by assuming homogeneity of the data they could be interpolated to provide hourly data provided the

observations are not too far apart in time.

No correlations were performed in this study to determine the relationship between weather elements used in the criteria sets. Such correlations should be performed and would prove useful in the framing of future weather elements for criteria sets for aerospace planning and operations.

Finally, the existing computer programs and data files could be further generalized. This could be accomplished in two ways. First, the initialization of programs could be simplified to make these programs more accessible to users. In addition, data access could be made more convenient. Second, the concept of using indicator functions could be extended so that instead of using a binary function an octal function could be used. This would allow each weather element to be reduced to eight frequency intervals instead of two. There are several advantages to this modification. It would allow a single criteria matrix to be used for multiple sets of criteria without greatly affecting the simplicity and generality of the computer programs. This could significantly reduce computer time. Also, it would allow for small computer or simple computer terminal operations.

APPENDIX A

Appendix B contains three sets of tables: one for each of the criteria sets of Table I-1. Each of these sets contain four sets of tables: KSC Mission Probabilities, KSC Launch Probabilities, KSC Landing Probabilities, and EAFB Landing Probabilities. The first of these sets contains one type of table and the last three sets contain identical types of tables. In Section A.1, each of the three types of tables found in Appendix B will be examined and explained. In Section A.2, the use of the tables in computing total mission probabilities will be discussed. Finally, in Section A.3, several examples of possible problems are solved using the tables of Appendix B.

A.1 THE TABLES

The entire set of tables for this study is contained in Appendix B. There are three types of tables found in Appendix B and examples of these are shown in Figures A-1 through A-3. The first table, as shown in Figure A-1, gives the probability of the occurrence of unfavorable weather conditions for one of the criteria sets at selected hours and for the month of December. Also shown in this table are the conditional probabilities of continuing unfavorable weather conditions. Thus, at 1000 LST in December under the given criteria, there is a 65.9% probability that unfavorable weather will be encountered and should that event occur then there is better than an 85% probability that the weather will remain unfavorable for the next three hours.

The second table in Figure A-1 gives the probability of the occurrence of favorable weather conditions for the same criteria set. Once again, the conditional probabilities of unfavorable weather conditions are given. Thus, at 1000 LST in December under the given criteria, there is only a 34.1% probability that favorable weather conditions will be observed; however, should that event occur and a delay occur, for reasons

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	60.6	91.6	85.9	81.4	85.2	77.6	77.6	76.4	72.2	66.9	66.9
4	60.4	89.7	87.0	88.5	78.2	78.2	75.6	71.8	66.4	66.0	67.6
7	74.8	91.7	87.0	82.7	80.9	76.5	71.6	66.0	64.5	65.4	78.7
10	65.9	92.0	90.2	87.4	83.6	78.3	68.9	67.1	66.1	77.6	72.0
13	68.9	94.3	89.6	86.3	80.3	71.9	69.6	66.2	79.9	74.6	73.9
16	66.8	94.8	90.0	86.6	77.9	74.5	70.3	81.7	74.8	77.6	72.4
19	63.1	90.5	85.8	82.1	77.0	73.4	82.8	75.9	77.7	73.0	70.1
22	60.1	88.9	86.6	82.4	75.9	83.5	75.1	77.0	73.6	72.0	67.4

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	39.4	16.4	24.6	28.1	58.8	48.0	55.6	52.0	49.1	49.7	49.7
4	39.6	16.9	29.2	53.8	47.1	54.7	53.5	50.0	50.6	51.2	48.3
7	25.2	8.3	14.7	16.5	33.9	37.6	38.5	43.1	46.8	44.0	63.0
10	34.1	22.3	28.4	33.1	34.5	33.8	43.2	46.6	48.0	68.7	56.1
13	31.1	16.4	18.5	23.7	25.2	34.1	39.3	45.9	62.7	48.9	57.8
16	33.2	15.3	18.1	16.0	24.3	31.3	38.9	60.1	50.0	51.4	56.3
19	36.9	13.1	17.5	22.5	31.3	36.9	60.4	50.6	53.7	56.9	52.5
22	39.9	13.9	21.5	26.6	35.8	61.0	53.8	56.6	57.2	50.9	50.9

Figure A-1. Example of Joint Probability Tables

other than weather, then there is less than a 35% probability that unfavorable weather conditions will further delay the operation during the next three hours.

Figure A-2 shows the weather elements responsible for the observance of unfavorable weather conditions. It can be seen that at 1000 LST clouds, criteria three are the major factors in the observance of unfavorable weather. Unfavorable cloud cover, under the particular criteria set, occurs 58.1% of the time at 1000 LST and the unfavorable ceiling, which occurs 43.5% of the time, is likely to be associated with that cloud cover, although no correlation has been calculated here. Winds aloft, criteria two, are unfavorable at 1000 LST only 15.2% of the time but should that event occur there is better than an 80% probability that these conditions will persist for three hours.

There are tables similar to those shown in Figure A-2 for favorable weather conditions. These tables allow the user the opportunity to determine the causes of unfavorable weather after a delay not associated with the weather criteria. Thus, in the case considered in the previous paragraphs should there be favorable weather conditions but a three hour delay be encountered, then the most likely source of further delay due to a change to unfavorable weather conditions would be due to cloud cover (26.9% - tables shown on page B-78).

Figure A-3 presents a table giving "mission probabilities." Actually this table is only given for KSC and presents:

$P\{\text{successful launch at } t\}$,

$P\{\text{successful landing at } t+\Delta t \mid \text{successful launch at } t\}$,

$P\{\text{successful landing at } t\}$,

where success has been defined as satisfying all weather criteria. For early OFT flights, this table would only be used for abort once around (AOA) missions, or some other special contingency ,

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.1	54.5	45.5	63.6	45.5	54.5	9.1
4	4.1	50.0	50.0	55.6	77.8	44.4	16.7
7	3.9	76.5	58.8	82.4	76.5	23.5	11.8
10	9.7	76.2	64.3	64.3	28.6	26.2	21.4
13	11.8	68.6	54.9	35.3	19.6	5.9	13.7
16	6.7	44.8	48.3	34.5	27.6	20.7	20.7
19	4.4	89.5	68.4	63.2	31.6	36.8	10.5
22	5.3	73.9	73.9	52.2	39.1	60.9	21.7

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	16.4	94.4	93.0	91.5	87.3	64.8	38.0
4	16.6	93.1	94.4	91.7	80.6	62.5	38.9
7	18.0	92.3	87.2	79.5	67.9	51.3	42.3
10	15.2	90.9	87.9	83.3	74.2	53.0	31.8
13	15.9	91.3	88.4	82.6	68.1	53.6	30.4
16	15.4	94.0	86.6	82.1	73.1	62.7	41.8
19	16.8	93.2	87.7	82.2	72.6	67.1	43.8
22	15.9	95.7	91.3	88.4	85.5	69.6	43.5

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	48.6	89.1	79.1	69.7	78.2	71.1	58.3
4	46.3	84.6	82.6	87.1	76.6	70.6	55.2
7	64.0	87.4	85.2	81.6	78.0	67.5	68.2
10	58.1	91.3	87.3	84.5	79.4	62.7	66.7
13	60.4	93.5	88.5	83.6	74.4	58.4	66.8
16	59.2	94.6	87.5	82.1	72.0	57.6	65.8
19	54.1	88.1	81.7	77.4	69.8	77.4	63.8
22	50.0	86.2	83.4	77.0	65.0	71.9	60.8

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	35.7	82.6	73.5	63.9	67.1	65.2	52.9
4	32.7	83.1	76.8	74.6	69.0	59.2	45.1
7	44.8	83.5	78.9	75.3	69.1	57.2	53.6
10	43.5	84.1	81.5	81.5	68.3	51.9	51.9
13	46.5	83.7	77.2	74.3	63.4	47.5	52.5
16	44.2	90.1	80.7	73.4	64.6	46.9	50.5
19	39.9	81.5	76.3	72.8	63.6	63.6	50.9
22	37.8	82.9	73.8	68.9	53.0	58.5	48.8

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.8	67.6	64.7	64.7	52.9	2.9	17.6
4	10.1	70.5	63.6	70.5	22.7	6.8	34.1
7	14.8	68.8	40.6	25.0	1.6	3.1	43.8
10	6.5	64.3	35.7	10.7	10.7	14.3	7.1
13	2.1	66.7	66.7	44.4	22.2	33.3	11.1
16	3.7	87.5	81.3	25.0	25.0	25.0	.0
19	1.6	71.4	71.4	85.7	57.1	42.9	14.3
22	4.1	77.8	55.6	61.1	44.4	16.7	11.1

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	.0	100.0	.0	.0
16	.2	.0	.0	100.0	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	57.1	66.7	52.4	23.8	19.0	19.0
4	5.1	40.9	40.9	27.3	45.5	22.7	13.6
7	3.9	41.2	41.2	47.1	29.4	35.3	5.9
10	5.3	60.9	43.5	34.8	39.1	13.0	17.4
13	4.1	66.7	50.0	50.0	22.2	16.7	5.6
16	5.8	68.0	48.0	36.0	24.0	24.0	8.0
19	3.0	61.5	53.8	23.1	30.8	7.7	7.7
22	4.4	57.9	52.6	47.4	42.1	26.3	10.5

Figure A-2. Example of Individual Criterion Probability Tables

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
DEC.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AT T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	25.6	83.8	76.6	71.2	37.8	52.3	42.3	54.1	44.1	44.1	37.8	39.4
4	24.4	83.0	68.9	39.6	50.0	43.4	43.4	51.9	39.6	34.0	44.3	39.6
7	12.4	98.1	92.6	87.0	66.7	57.4	63.0	35.2	37.0	37.0	33.3	25.1
10	15.7	79.4	75.0	66.2	67.6	70.6	57.4	50.0	35.3	35.3	35.3	34.1
13	11.8	80.4	76.5	70.6	72.5	58.8	54.9	37.3	31.4	51.0	41.2	31.1
16	17.1	87.8	86.5	87.8	82.4	75.7	66.2	41.9	36.5	32.4	40.5	33.2
19	21.9	90.5	85.3	78.9	72.6	67.4	40.0	44.2	38.9	30.5	36.8	36.9
22	24.7	86.9	79.4	76.6	57.3	38.3	47.7	51.4	42.1	39.3	38.3	39.9

Figure A-3. Example of Mission Probability Table for KSC

since these missions would normally terminate at EAFB. For later missions, this table could be used as a better indication of landing probabilities at a specific time than those tables devoted to landing probabilities at KSC. For instance, the probability of a successful launch at 0700 in December under the criteria of the table shown in Figure A-3 is 12.4%. Should a successful launch occur then the probability of a successful landing three hours later at 1000 is 87.0%, not the 34.1% given for 1000 by the landing probabilities. In this case, the probability of a successful mission would be

$$P\{\text{successful mission}\} = .87 \times .124 = 10.8\%$$

not the 4.2% obtained by assuming launch and landing to be independent events. However, beyond 48 hours, it is better to assume launch and landing are independent.

A.2 PROCEDURES TO DETERMINE MISSION PROBABILITIES

For launch at KSC and landing at EAFB, weather conditions are assumed to be independent

$$P\{AB\} = P\{A\}\,P\{B\}$$

where A is the event favorable launch condition and B the event favorable landing conditions. Thus, for a launch at time t and a landing at $t+\Delta t$ one must obtain the launch probability for t from the KSC launch tables and the landing probabilities for $t+\Delta t$ from the EAFB landing tables. Note that the time t and $t+\Delta t$ need to be stated in the appropriate local standard time.

For launch at KSC and subsequent landing at KSC, weather conditions are assumed to be dependent for the first 48 hours. Thus,

$$P\{AB\} = P\{B|A\}P\{A\}$$

which requires that $P\{B|A\}$ be obtained from the appropriate

table of conditional landing probabilities. For missions of 72 hours or more the weather conditions are assumed to be independent and the mission probability is given by

$$P\{AB\} = P\{A\}P\{B\}.$$

A.3 EXAMPLES

1) What is the probability of favorable launch weather under the constraint that the weather must be benign at 1000 LST in April? If it is not favorable how long will it be before there is a 50% probability of it becomming favorable?

These questions are answered simply by consulting the Benign Weather Conditions for KSC launch. For April, it is found on page B-16 that the probability of favorable launch conditions at 1000 is only 13.6%. Given that the weather is unfavorable at 1000, one finds from the same tables that for the next 24 hours the probability of continued unfavorable weather is never less than 50%. In fact, after 24 hours, there is only an 11.8% probability of favorable weather occurring.

2) What is the probability of favorable weather assumming moderate conditions for an entire mission with launch from KSC at 1300 LST in March and a landing 9 hours later at EAFB? What if the landing must be made 9 hours later at KSC?

The KSC launch probabilities can be found under the Moderate Weather Conditions section of Appendix B. On page B-126 it is found that the probability of favorable launch conditions is 29.8% at 1300 LST. In the same seciton on page B-198 for March the EAFB landing probability is found to be 65.0% nine

hours later at 1900 LST. The probability of favorable launch and landing conditions for the mission is

.293 x .650 x 100 = 19.0

Looking back at the tables for KSC on page B-116, one finds the probability of favorable landing conditions given a favorable launch of 76.4% at 2200 LST. Thus, the probability of favorable weather for this mission landing at KSC is

.293 x 764 x 100 = 22.4%

3) What if the mission in Example (2) lasts for 3 days and 9 hours?

There would be no change in the mission probability for the EAFB landing. This remains a 19.0% probability of favorable weather for both launch and landing. For landing at KSC from page B-162, the probability of favorable weather at 2200 will be 54.5%. This yields a probability of 16.0% that there will be favorable weather for both launch and landing.

4) What is the probability that favorable weather conditions for launch, allowing for severe weather, will occur at 0700 in July and at 0700 twenty-four hours later?

This question can be answered from the KSC launch probabilities under Severe Weather Conditions section of Appendix B. The compound probability of a favorable event A occurring at both 0700 and 24 hours later would be given by

$$P\{A(t)A(t+24)\} = P\{A(t)\}\ P\{A(t+24)|A(t)\}$$

For this case from page B-245 this would be

.986 x .988 x 100 = 97.4%

5) Given that a landing is desired at 1300 or 1600 in June at EAFB under benign conditions, what is the probability of favorable weather for both hours? What is the probability of favorable weather at at least one of the two hours?

The probability of both hours having favorable weather would be formulated as

$$P\{AB\} = P\{A\} \quad P\{B|A\},$$

as in the last example. For this case, from page B-94, the result would be

$$.729 \times .866 \times 100 = 63.13\%.$$

The probability that at least one of the hours would be favorable would be formulated as

$$P\{A+B\} = P\{A\} + P\{B\} - P\{AB\}$$

For this case, the probability of at least one of the two hours being favorable would be

$$72.9 + 67.1 - 63.1 = 76.9\%$$

APPENDIX B

B.1 BENIGN WEATHER CONDITIONS

	LAUNCH	LANDING
Ground Winds	≤ 15 kts	≤ 15 kts Crosswind
Winds Aloft	mean monthly ±20 m/sec (5 -15 km)	mean monthly ±20 m/sec (5 km interval)
Clouds	≤ 3/10	≤ 3/10
Visibility	> 7 mi.	> 7 mi.
Ceiling	Unlimited	Unlimited
Precipitation	None allowed	None allowed
Thunderstorm	None allowed	None allowed
Thunderstorm in Glide Path	N/A	None allowed

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
JAN.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	18.7	79.0	74.1	72.8	45.7	53.1	43.2	43.2	44.4	37.0	34.6	31.8
4	17.1	82.4	74.3	56.8	59.5	43.2	32.4	40.5	35.1	31.1	29.7	28.6
7	10.8	80.9	76.6	76.6	53.2	42.6	44.7	29.8	23.4	27.7	23.4	21.0
10	12.7	74.5	67.3	69.1	49.1	43.6	52.7	36.4	30.9	32.7	21.8	26.7
13	8.3	88.9	72.2	66.7	55.6	72.2	58.3	33.3	25.0	30.6	30.6	23.7
16	8.8	78.9	73.7	68.4	63.2	57.9	42.1	31.6	28.9	34.2	34.2	22.6
19	12.7	91.5	89.1	80.0	67.3	56.4	38.2	47.3	36.4	34.5	38.2	26.5
22	17.7	75.3	70.1	60.8	55.8	39.0	48.1	44.2	31.2	31.2	26.0	31.8

FEB.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	15.6	78.7	65.6	62.3	44.3	41.0	41.0	39.3	29.5	34.4	32.8	32.1
4	12.8	82.0	74.0	58.0	54.0	38.0	36.0	28.0	14.0	26.0	12.0	26.0
7	7.4	79.3	72.4	65.5	51.7	44.8	48.3	17.2	10.3	17.2	6.9	18.9
10	6.9	92.6	74.1	66.7	51.9	44.4	48.1	18.5	33.3	14.8	14.8	23.2
13	6.9	92.6	77.8	55.6	48.1	51.9	63.0	29.6	29.6	22.2	11.1	21.9
16	6.1	79.2	70.8	70.8	62.5	70.8	41.7	29.2	25.0	8.3	20.8	19.9
19	11.0	86.0	81.4	79.1	69.8	53.5	32.6	27.9	18.6	9.3	16.3	23.7
22	16.1	85.7	82.5	77.8	54.0	31.7	34.9	31.7	22.2	19.0	28.6	27.0

MAR.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	16.1	78.6	77.1	75.7	44.3	44.3	47.1	38.6	30.0	38.6	44.3	32.9
4	18.7	85.2	67.[illegible]	51.9	45.7	48.1	37.0	44.4	27.2	43.2	37.0	31.8
7	9.9	81.4	69.8	72.1	72.1	60.5	53.5	20.9	11.6	16.3	30.2	19.4
10	7.4	84.4	68.8	71.9	65.6	56.3	62.5	31.3	28.1	31.3	43.8	24.4
13	6.5	75.0	64.3	57.1	53.6	57.1	42.9	28.6	14.3	14.3	39.3	22.4
16	6.2	85.2	74.1	74.1	66.7	59.3	48.1	29.6	11.1	14.8	18.5	20.3
19	12.2	92.5	83.0	73.6	66.0	52.8	32.1	45.3	35.8	26.4	26.4	26.3
22	18.0	92.3	78.2	69.2	55.1	34.6	47.4	44.9	34.6	37.2	42.3	35.0

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
APR.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	22.1	81.7	78.5	73.1	41.9	55.9	40.9	51.6	47.3	37.6	41.9	36.2
4	22.9	79.2	54.2	44.8	59.4	40.6	40.6	54.2	47.9	46.9	45.8	36.7
7	12.6	79.2	77.4	71.7	52.8	58.5	43.4	37.7	24.5	28.3	18.9	24.8
10	13.6	71.9	64.9	56.1	59.6	54.4	64.9	45.6	33.3	33.3	31.6	32.1
13	8.6	91.7	77.8	75.0	66.7	77.8	58.3	41.7	33.3	33.3	33.3	28.3
16	10.5	93.2	77.3	70.5	75.0	70.5	61.4	56.8	34.1	25.0	29.5	27.4
19	13.1	98.2	94.5	89.1	76.4	65.5	56.4	50.9	30.9	21.8	30.9	28.6
22	21.2	87.6	79.8	75.3	61.8	38.2	58.4	58.4	44.9	39.3	39.3	40.0

MAY

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	31.3	83.8	79.4	79.4	49.3	49.3	45.6	58.8	47.1	49.3	52.2	45.9
4	34.8	72.8	55.6	57.0	49.7	51.0	43.7	56.3	49.0	49.0	47.7	47.2
7	23.5	80.4	68.6	60.8	55.9	46.1	38.2	47.1	35.3	32.4	32.4	33.9
10	18.2	84.8	78.5	73.4	60.8	51.9	58.2	49.4	31.6	31.6	29.1	30.6
13	14.1	95.1	82.0	75.4	62.3	67.2	72.1	49.2	34.4	36.1	34.4	30.9
16	10.1	79.5	75.0	70.5	77.3	72.7	68.2	56.8	34.1	27.3	34.1	26.7
19	14.3	95.2	88.7	87.1	82.3	74.2	58.1	51.6	41.9	37.1	27.4	24.4
22	24.9	92.6	88.0	81.5	74.1	52.8	47.2	49.1	40.7	41.7	43.4	38.9

JUNE

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	31.9	82.8	73.9	74.6	52.2	38.8	32.8	52.2	48.5	40.3	40.3	39.3
4	37.1	66.7	42.9	50.0	37.8	32.7	32.7	59.6	49.4	42.9	44.2	42.9
7	23.8	74.0	61.0	54.0	49.0	37.0	34.0	52.0	41.0	31.0	32.0	30.0
10	18.6	73.1	64.1	61.5	57.7	41.0	51.3	47.4	32.1	28.2	25.6	23.8
13	13.3	91.1	76.8	67.9	50.0	69.6	64.3	55.4	39.3	21.4	26.8	22.6
16	10.5	72.7	72.7	59.1	63.6	70.5	65.9	45.5	36.4	34.1	29.5	20.7
19	12.6	92.5	92.5	92.5	79.2	75.5	73.6	52.8	37.7	20.8	13.2	17.4
22	22.1	82.8	83.9	78.5	69.9	59.1	46.2	58.1	46.2	32.3	26.9	29.5

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
JULY

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	41.0	88.8	86.0	87.1	53.4	38.8	31.5	58.4	48.3	43.4	46.1	45.2
4	51.8	68.9	45.3	50.7	36.9	27.1	30.2	62.7	57.8	52.9	53.8	54.4
7	30.4	87.1	70.5	58.3	42.4	40.9	36.4	50.8	40.9	33.3	28.0	33.9
10	19.6	69.4	55.3	55.3	50.6	35.3	70.6	42.4	28.2	28.2	16.5	24.7
13	13.6	81.4	72.9	66.1	50.8	74.6	71.2	37.3	32.2	23.7	23.7	20.0
16	9.4	80.5	75.6	75.6	87.8	78.0	75.6	51.2	36.6	39.0	22.0	20.5
19	15.0	98.5	96.9	95.4	84.6	84.6	67.7	47.7	32.3	29.2	23.1	17.1
22	32.9	90.9	86.0	79.0	81.8	58.7	42.7	65.7	51.0	44.1	37.8	37.3

AUG.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	42.2	84.7	81.4	78.7	48.6	42.6	33.3	59.0	56.8	52.5	48.6	45.4
4	47.2	82.0	42.4	44.4	39.5	30.7	27.8	59.5	56.1	53.7	51.7	51.2
7	30.4	83.3	65.9	57.6	47.0	40.9	37.9	44.7	44.7	44.7	48.5	32.7
10	26.5	73.9	64.3	57.4	43.5	42.6	56.5	47.8	34.8	39.1	36.5	28.1
13	18.4	77.5	63.7	63.7	52.5	63.7	72.5	40.0	35.0	36.2	26.2	23.5
16	15.4	82.1	74.6	65.7	80.6	74.6	65.7	43.3	34.3	34.3	31.3	21.4
19	18.0	97.4	92.3	85.9	82.1	69.2	52.6	47.4	41.0	33.3	30.8	20.3
22	35.0	88.8	82.9	80.9	74.3	49.3	42.8	52.6	47.4	46.7	39.5	37.8

SEPT.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	31.9	81.3	82.8	82.1	52.2	41.0	37.3	56.7	49.3	41.8	38.8	40.2
4	36.7	85.7	53.9	50.0	37.7	32.5	35.1	61.0	45.5	46.1	44.8	43.6
7	21.4	80.0	64.4	53.3	43.3	47.8	41.1	38.9	30.0	33.3	32.2	26.7
10	15.0	81.0	65.1	61.9	60.3	50.8	63.5	41.3	23.8	28.6	23.8	21.7
13	12.4	86.5	82.7	80.8	69.2	73.1	67.3	46.2	30.8	25.0	15.4	17.4
16	14.5	86.9	75.4	77.0	82.0	72.1	77.0	36.1	27.9	21.3	13.1	21.4
19	17.4	94.5	95.9	87.7	78.1	76.7	47.9	41.1	30.1	16.4	19.2	22.9
22	25.0	84.8	81.9	78.1	79.0	52.4	43.8	56.2	44.8	33.3	29.5	33.1

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
OCT.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	24.9	77.8	72.2	71.3	49.1	51.9	38.0	48.1	34.3	34.3	42.6	36.6
4	22.4	81.4	67.0	57.7	49.5	36.1	43.3	40.2	36.1	34.0	43.3	33.9
7	15.9	88.4	75.4	63.8	49.3	56.5	62.3	43.5	27.5	33.3	31.9	25.6
10	13.1	84.2	71.9	57.9	64.9	61.4	54.4	45.6	35.1	31.6	26.3	26.7
13	8.5	83.8	81.1	78.4	83.8	64.9	62.2	29.7	27.0	18.9	10.8	20.5
16	12.9	89.3	76.8	69.6	64.3	67.9	58.9	37.5	25.0	37.5	23.2	25.3
19	16.6	90.3	83.3	80.6	73.6	63.9	44.4	41.7	38.9	27.8	25.0	25.8
22	22.8	87.9	78.8	77.8	62.6	45.5	49.5	53.5	37.4	31.3	35.4	33.4

NOV.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	27.1	81.6	67.[illegible]	62.3	35.1	45.6	39.5	50.9	41.2	37.7	33.3	39.8
4	24.0	87.1	78.2	52.5	48.5	40.6	40.6	42.6	40.6	40.6	41.6	36.7
7	14.3	88.3	70.0	73.3	51.7	46.7	46.7	35.0	26.7	18.3	28.3	29.5
10	16.2	80.9	76.5	64.7	58.8	54.4	57.4	50.0	38.2	29.4	30.9	29.5
13	10.7	77.8	77.8	77.8	64.4	68.9	73.3	42.2	37.8	35.6	17.8	26.7
16	17.1	83.3	73.6	80.6	79.2	62.5	62.5	45.8	33.3	29.2	22.2	30.5
19	22.1	89.2	88.2	87.1	63.4	50.5	32.3	46.2	32.3	35.5	36.6	35.7
22	28.8	85.1	72.7	70.2	57.0	33.1	47.1	47.1	40.5	42.1	38.0	41.4

DEC.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	25.6	83.8	76.6	71.2	37.8	52.3	42.3	54.1	44.1	44.1	37.8	39.4
4	24.4	83.0	68.9	39.6	50.0	43.4	43.4	51.9	39.6	34.0	44.3	39.6
7	12.4	98.1	92.6	87.0	66.7	57.4	63.0	35.2	37.0	37.0	33.3	25.1
10	15.7	79.4	75.0	66.2	67.6	70.6	57.4	50.0	35.3	35.3	35.3	34.1
13	11.8	80.4	76.5	70.6	72.5	58.8	54.9	37.3	31.4	51.0	41.2	31.1
16	17.1	87.8	86.5	87.8	82.4	75.7	66.2	41.9	36.5	32.4	40.5	33.2
19	21.9	90.5	85.3	78.9	72.6	67.4	40.0	44.2	38.9	30.5	36.8	36.9
22	24.7	86.9	79.4	76.6	67.3	38.3	47.7	51.4	42.1	39.3	38.3	39.9

JANUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	81.3	94.0	92.9	94.6	96.3	93.5	95.2	93.5	91.2	85.8	85.6
4	82.9	95.8	96.4	98.1	93.6	94.7	93.3	91.1	85.3	85.8	88.1
7	89.1	96.4	92.2	92.5	93.8	93.3	90.4	84.7	85.0	86.8	92.5
10	87.3	98.4	96.6	97.1	94.7	91.0	86.8	85.5	87.6	92.1	89.2
13	91.7	96.7	90.0	95.0	90.5	85.3	85.4	87.4	91.2	89.7	93.0
16	91.2	96.2	94.4	92.4	85.9	85.9	86.4	91.1	89.6	92.9	91.9
19	87.3	95.8	91.6	90.2	87.9	88.7	93.1	90.5	94.2	92.6	88.9
22	82.3	95.2	92.7	91.6	91.3	94.9	91.9	94.4	93.0	89.9	85.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	18.7	24.7	26.2	32.1	58.0	60.5	76.5	81.5	70.4	66.7	70.4
4	17.1	21.6	32.4	45.9	56.8	77.0	81.1	68.9	67.6	67.6	67.6
7	10.9	25.5	36.2	44.7	74.5	74.5	61.7	61.7	63.8	66.0	71.7
10	12.7	30.9	43.6	54.5	67.3	61.8	50.9	63.6	63.6	78.2	80.0
13	8.3	25.0	38.9	50.0	52.8	41.7	52.8	52.8	80.6	69.4	80.6
16	8.8	23.7	28.9	34.2	44.7	50.0	65.8	81.6	71.1	81.6	86.8
19	12.7	12.7	25.5	27.3	47.3	56.4	70.4	70.9	76.4	83.6	78.2
22	17.7	24.7	33.8	41.6	53.2	68.8	70.1	80.5	84.4	76.6	70.1

JANUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	22.6	79.6	72.4	74.5	65.3	76.5	31.6
4	24.9	79.6	71.3	71.3	85.2	70.4	35.2
7	23.8	87.4	87.4	89.3	87.4	46.6	40.8
10	44.9	92.8	86.6	86.2	65.1	33.8	49.2
13	55.8	83.9	74.7	66.9	34.7	29.8	60.7
16	43.3	73.9	53.7	46.3	41.5	35.6	50.0
19	22.6	85.7	74.5	71.4	53.1	54.1	35.7
22	23.7	78.6	67.0	64.1	64.1	78.6	36.9

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	45.2	92.3	91.8	90.8	89.2	82.1	67.3
4	44.9	99.0	99.5	96.9	90.8	83.1	67.2
7	49.4	97.2	91.6	87.9	82.7	84.6	66.4
10	44.7	96.4	94.3	92.8	88.1	77.3	68.0
13	44.9	94.4	93.8	91.8	93.3	74.9	64.6
16	47.0	99.5	98.5	98.5	83.8	73.5	65.2
19	54.8	95.0	87.0	82.4	77.3	74.8	68.9
22	47.0	96.6	92.6	93.1	86.3	81.4	67.6

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	57.4	88.7	85.1	83.9	84.3	79.9	63.1
4	58.8	89.4	80.6	87.8	80.0	76.1	66.3
7	66.1	92.3	85.0	85.0	81.1	73.1	73.1
10	63.1	94.5	90.5	86.9	80.3	66.1	70.4
13	66.6	95.5	90.3	87.9	75.1	68.2	77.9
16	67.7	92.2	89.1	80.6	69.4	69.4	73.5
19	62.0	88.1	81.4	78.1	73.6	77.3	69.9
22	54.4	87.7	82.6	80.9	80.1	78.0	64.4

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	43.3	82.9	79.8	78.7	76.1	68.6	50.0
4	44.2	89.1	81.3	80.2	75.0	62.0	52.6
7	50.3	89.9	82.6	82.6	76.1	62.8	61.5
10	52.5	86.8	80.3	77.6	72.4	58.3	63.2
13	48.6	89.6	84.4	79.7	71.1	59.2	64.5
16	49.1	90.1	80.3	74.2	63.8	58.7	62.9
19	46.3	88.6	78.1	77.1	69.2	67.2	54.7
22	42.2	80.9	74.3	73.8	67.8	68.3	55.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.4	68.8	62.5	59.4	56.3	3.1	28.1
4	12.2	83.0	71.7	73.6	30.2	3.8	17.0
7	19.4	75.0	50.0	31.0	7.1	6.0	34.5
10	8.8	55.3	34.2	28.9	10.5	10.5	10.5
13	4.1	61.1	38.9	27.8	11.1	5.6	11.1
16	3.0	69.2	46.2	30.8	46.2	46.2	23.1
19	3.7	62.5	50.0	43.8	25.0	37.5	.0
22	5.5	83.3	83.3	58.3	45.8	20.8	12.5

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	.0	.0	.0	.0	.0
4	.5	.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.4	94.7	73.7	73.7	47.4	47.4	15.8
4	7.4	71.9	59.4	56.3	25.0	18.8	21.9
7	7.6	78.8	66.7	48.5	48.5	21.2	15.2
10	6.9	66.7	46.7	43.3	20.0	13.3	3.3
13	7.1	54.8	35.5	45.2	25.8	6.5	9.7
16	5.5	58.3	45.8	50.0	37.5	25.0	4.2
19	5.8	68.0	48.0	52.0	24.0	28.0	12.0
22	6.9	63.3	50.0	23.3	33.3	23.3	3.3

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

JANUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS AT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	77.4	6.6	7.5	10.4	11.6	49.7	19.6
4	75.1	3.7	6.4	8.0	31.6	34.4	21.8
7	76.2	8.2	20.6	31.2	40.1	15.2	17.9
10	55.1	18.8	30.1	31.0	25.5	10.5	41.4
13	44.2	13.5	13.0	13.5	7.3	13.0	46.9
16	56.7	6.1	6.1	4.5	10.2	17.1	38.2
19	77.4	5.7	11.3	9.8	13.4	14.3	19.0
22	76.3	5.8	6.6	9.4	13.0	34.4	19.3

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	54.8	1.7	4.2	7.1	16.8	14.3	31.1
4	55.1	3.3	7.1	10.9	7.1	17.6	31.0
7	50.6	1.4	1.8	2.3	7.8	25.6	37.2
10	55.3	1.3	3.8	6.3	13.7	22.5	30.0
13	55.1	3.8	7.1	10.5	23.4	25.1	33.1
16	53.0	3.9	8.3	16.1	14.3	23.9	34.8
19	45.2	2.0	2.6	4.1	11.2	23.6	39.3
22	53.0	.9	3.9	7.0	12.6	16.5	30.0

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	42.6	16.2	23.9	24.9	41.3	48.6	50.3
4	41.2	15.1	21.2	34.8	39.1	55.9	49.7
7	33.9	19.0	26.5	20.4	38.1	40.8	56.2
10	36.9	18.8	25.2	31.9	46.2	34.4	53.1
13	33.4	15.2	25.7	27.6	35.9	36.6	46.2
16	32.3	15.7	20.0	22.9	22.9	38.6	56.4
19	38.0	9.5	13.9	15.8	31.5	50.6	48.5
22	45.6	[illegible]	25.3	29.8	34.8	47.5	43.4

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	56.7	9.3	16.7	17.9	30.6	33.3	38.2
4	55.8	12.0	15.7	26.6	34.7	38.8	38.4
7	49.7	15.3	18.1	22.3	20.9	29.8	41.1
10	47.5	8.3	14.6	16.5	23.3	24.3	42.2
13	51.4	11.7	13.0	21.1	22.9	28.3	35.0
16	50.9	10.4	16.6	19.5	21.3	31.2	37.6
19	53.7	9.0	10.3	12.0	21.0	37.5	39.9
22	57.8	8.8	17.9	21.1	27.9	42.2	33.9

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.6	5.0	5.7	8.5	16.5	4.2	6.0
4	87.8	3.7	7.9	11.8	5.8	2.9	11.5
7	80.6	4.9	4.3	3.4	3.4	3.2	16.7
10	91.2	1.5	1.8	1.8	2.3	5.1	8.6
13	95.9	1.2	1.2	1.9	3.4	7.7	3.8
16	97.0	1.7	3.3	2.9	4.3	11.2	2.1
19	96.3	.7	2.4	4.1	6.9	19.4	4.1
22	94.5	1.7	3.2	4.6	10.2	8.0	5.6

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.5	.2	.0	.2
4	99.5	.0	.0	.2	.2	.0	.5
7	99.8	.2	.5	.2	.0	.2	.2
10	99.8	.0	.0	.0	.0	.0	.2
13	100.0	.0	.0	.0	.2	.2	.0
16	100.0	.0	.0	.2	.0	.5	.0
19	99.8	.0	.0	.0	.2	.2	.2
22	100.0	.0	.0	.2	.5	.2	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.6	3.1	3.4	4.3	5.8	5.3	3.9
4	92.6	3.5	3.0	3.7	5.5	4.5	6.2
7	92.4	1.5	3.8	3.5	3.8	4.5	7.0
10	93.1	2.7	3.7	4.5	4.5	6.4	6.9
13	92.9	2.2	2.0	2.5	4.2	4.2	6.7
16	94.5	2.2	3.7	3.2	5.1	6.3	5.4
19	94.2	2.9	2.9	4.2	3.2	6.4	5.1
22	93.1	1.5	3.2	3.0	5.4	5.4	7.2

FEBRUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	84.4	95.8	94.6	94.9	97.0	96.4	96.7	96.7	90.3	85.8	85.8
4	87.2	97.1	94.4	97.4	96.8	95.6	95.9	89.8	85.4	86.3	87.7
7	92.6	95.9	96.4	96.4	95.3	95.3	89.8	85.7	86.2	88.2	92.6
10	93.1	98.4	97.8	96.7	95.9	90.4	85.8	86.6	88.2	92.9	92.9
13	93.1	98.6	97.8	96.7	91.0	86.0	87.1	87.9	92.9	92.9	93.2
16	93.9	97.0	94.8	92.1	86.7	86.7	88.0	92.9	93.2	92.9	94.0
19	89.0	96.6	94.3	91.7	89.1	91.1	94.8	95.4	94.3	94.8	88.8
22	83.9	94.2	92.4	93.6	92.7	95.7	95.7	94.5	95.4	88.8	85.1

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	15.6	27.9	41.0	45.9	68.9	75.4	73.8	78.7	82.0	73.8	75.4
4	12.8	30.0	42.0	60.0	68.0	76.0	80.0	84.0	74.0	70.0	82.0
7	7.4	24.1	37.9	51.7	65.5	75.9	79.3	62.1	58.6	72.4	93.1
10	6.9	22.2	33.3	44.4	66.7	70.4	59.3	51.9	70.4	88.9	92.6
13	6.9	29.6	40.7	55.6	63.0	55.6	44.4	74.1	88.9	92.6	85.2
16	6.1	33.3	41.7	41.7	41.7	45.8	70.8	87.5	87.5	87.5	91.7
19	11.0	14.0	20.9	20.9	44.2	53.5	74.4	72.1	79.1	86.0	88.4
22	16.1	17.5	23.8	34.9	57.1	76.2	77.8	82.5	85.7	88.9	79.4

FEBRUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	25.3	89.9	75.8	76.8	69.7	79.8	31.3
4	24.0	85.1	77.7	80.9	85.1	72.3	36.2
7	26.5	91.3	90.4	90.4	86.5	51.9	41.3
10	52.3	92.2	86.3	85.4	75.1	39.0	62.9
13	60.7	89.1	82.8	77.3	44.1	33.6	69.3
16	55.9	82.6	64.4	50.7	40.2	32.0	62.1
19	30.9	76.0	65.3	59.5	48.8	46.3	40.5
22	26.8	79.0	73.3	68.6	57.1	76.2	40.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	56.4	96.4	95.5	94.6	92.8	78.3	67.4
4	57.7	99.1	97.8	96.9	88.9	80.5	69.5
7	63.0	96.0	93.5	87.9	80.2	75.7	70.4
10	57.1	95.1	92.0	90.2	87.9	77.2	67.9
13	55.6	97.2	95.4	94.5	89.5	76.6	63.8
16	56.6	97.7	96.8	93.7	86.0	78.4	65.8
19	58.4	96.5	91.7	89.5	84.3	82.1	68.6
22	54.1	97.2	94.8	92.0	90.1	77.4	67.0

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	51.0	88.0	84.5	84.0	83.0	79.5	58.0
4	57.4	92.0	85.8	87.1	83.1	78.2	65.3
7	65.6	90.3	84.4	84.4	79.8	73.5	70.8
10	63.8	94.0	89.2	86.4	82.4	66.8	68.8
13	64.0	94.4	90.8	88.4	80.9	62.9	71.7
16	66.1	92.3	87.6	84.2	71.4	68.7	71.0
19	62.2	88.5	84.0	79.5	68.4	78.3	70.1
22	55.4	82.9	80.2	77.9	77.0	77.4	59.4

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	41.8	85.4	79.3	76.8	70.7	67.1	54.3
4	44.6	89.1	86.3	82.3	78.3	69.1	58.3
7	49.7	85.6	81.5	80.5	74.4	67.2	57.9
10	49.5	89.7	85.6	80.9	70.1	57.7	56.2
13	49.2	89.6	83.4	79.3	71.0	55.4	54.4
16	49.0	88.0	82.3	78.6	66.7	59.4	54.7
19	47.4	86.6	76.3	72.6	66.7	62.9	57.0
22	43.1	85.8	78.1	78.1	65.7	63.9	49.1

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.9	81.5	70.4	66.7	63.0	25.9	11.1
4	12.8	78.0	78.0	68.0	32.0	10.0	24.0
7	18.9	71.6	43.8	27.0	16.2	9.5	36.5
10	9.2	52.8	50.0	38.9	22.2	11.1	19.4
13	5.4	57.1	33.3	28.6	9.5	19.0	9.5
16	6.1	75.0	41.7	33.3	29.2	29.2	8.3
19	3.8	53.3	53.3	60.0	40.0	26.7	6.7
22	4.8	78.9	57.9	52.6	36.8	31.6	15.8

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.8	33.3	33.3	33.3	.0	.0	.0
4	.3	100.0	100.0	.0	.0	.0	.0
7	.3	.0	.0	.0	.0	.0	.0
10	.5	100.0	.0	.0	.0	.0	.0
13	.5	50.0	50.0	.0	.0	.0	.0
16	1.0	50.0	.0	.0	25.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.8	33.3	33.3	33.3	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.4	47.6	33.3	47.6	33.3	33.3	9.5
4	5.6	59.1	72.7	50.0	59.1	31.6	22.7
7	5.9	69.6	69.6	73.9	30.4	26.1	8.7
10	9.7	44.7	47.4	42.1	31.6	21.1	15.8
13	6.9	63.0	51.9	55.6	33.3	18.5	11.1
16	8.2	71.9	46.9	50.0	31.3	21.9	15.6
19	8.2	65.6	65.6	53.1	25.0	31.3	9.4
22	7.7	63.3	53.3	40.0	33.3	36.7	30.0

FEBRUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	74.7	5.1	6.8	6.1	11.9	54.3	23.2
4	76.0	6.7	9.1	9.4	41.9	50.7	20.5
7	73.5	9.4	26.8	38.5	51.[illegible]	23.3	21.9
10	47.7	21.4	32.1	33.7	34.8	13.4	41.7
13	39.3	24.7	23.4	22.7	10.4	12.3	51.9
16	44.1	5.2	7.5	5.8	9.8	14.5	50.3
19	69.1	7.7	12.9	12.2	14.8	18.5	26.2
22	73.2	5.6	7.0	9.4	12.2	44.3	22.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	43.6	2.3	5.3	9.9	24.6	26.3	36.8
4	42.3	6.6	10.8	16.9	13.9	24.1	36.7
7	37.0	1.4	2.8	4.8	13.8	29.0	44.8
10	42.9	1.8	6.0	9.5	14.9	23.2	37.5
13	44.4	2.3	5.7	9.2	20.7	25.9	41.4
16	43.4	4.1	7.1	12.4	12.4	25.9	39.4
19	41.6	2.5	3.1	4.3	11.7	31.3	42.3
22	45.9	2.8	4.4	9.4	15.0	28.3	37.2

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	49.0	16.7	24.0	29.7	47.4	47.9	44.8
4	42.6	15.6	20.4	36.5	37.7	49.7	47.9
7	34.4	15.6	26.1	24.4	34.1	40.7	56.3
10	36.2	16.2	20.4	24.6	37.3	35.2	54.2
13	36.0	13.5	18.4	26.2	29.1	31.2	49.6
16	33.9	12.8	22.6	19.5	24.1	36.8	55.6
19	37.8	7.4	14.2	15.5	23.6	45.3	49.3
22	44.6	9.7	14.3	18.9	34.3	46.3	49.7

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	58.2	11.0	16.7	21.5	34.6	36.4	34.6
4	55.4	9.7	13.4	23.5	26.3	32.7	34.1
7	50.3	14.7	15.8	18.8	24.4	27.9	40.6
10	50.5	6.6	14.6	18.2	28.3	28.8	41.4
13	50.8	9.5	14.1	19.6	24.6	30.7	43.2
16	51.0	8.5	16.0	17.5	20.5	31.0	41.5
19	52.6	7.3	11.2	16.5	21.4	36.9	37.4
22	56.9	5.4	9.4	16.1	29.1	37.2	38.6

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.1	2.7	6.0	8.8	15.6	3.8	6.3
4	87.2	1.8	3.2	11.7	5.8	5.6	10.8
7	81.1	3.5	3.5	5.0	2.8	2.5	14.2
10	90.8	.8	1.7	2.0	4.5	4.2	8.1
13	94.6	1.1	3.8	4.9	3.5	5.9	5.1
16	93.9	1.4	1.6	1.9	3.3	11.4	6.0
19	96.2	.8	1.3	2.7	5.3	18.0	3.4
22	95.2	.8	2.4	4.3	11.3	8.0	3.8

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.2	.0	.0	.0	.3	.5	.8
4	99.7	.0	.3	.3	.5	1.0	.3
7	99.7	.0	.5	.5	.5	.5	.3
10	99.5	.0	.3	.5	1.0	.8	.5
13	99.5	.8	1.3	1.0	.5	.8	.5
16	99.0	.0	.3	.5	.5	.3	1.0
19	99.5	.5	1.0	.8	.8	.3	.5
22	99.2	.0	.3	.5	.3	.5	.8

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.6	2.2	4.0	3.2	4.3	5.4	5.1
4	94.4	1.9	3.2	3.2	6.8	6.8	4.9
7	94.1	3.3	4.3	5.7	5.4	7.0	5.7
10	90.3	2.0	2.3	3.1	5.6	6.2	9.3
13	93.1	3.8	4.7	4.7	6.3	4.4	6.8
16	91.8	2.2	3.1	4.4	5.6	4.4	7.5
19	91.8	2.2	3.3	3.6	3.6	3.6	8.3
22	92.3	1.4	3.3	2.5	3.6	7.7	6.4

MARCH

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	83.8	95.9	93.6	92.0	95.3	95.6	95.9	95.9	89.2	85.9	86.5
4	81.3	96.6	97.4	98.0	96.9	96.0	97.2	91.2	86.7	87.2	85.0
7	90.1	96.2	95.9	96.4	96.2	97.7	91.0	85.6	85.9	83.6	90.3
10	92.6	97.8	98.0	96.7	97.0	90.0	84.2	84.5	82.5	90.3	93.0
13	93.5	98.3	97.0	96.8	89.6	83.7	84.7	83.0	90.9	93.1	94.3
16	93.8	96.3	94.1	90.6	84.9	85.7	83.0	90.6	93.8	94.6	94.1
19	87.8	95.3	91.3	88.7	88.4	85.0	91.8	94.7	95.5	95.3	88.7
22	82.0	94.6	92.7	92.9	87.3	93.5	95.5	96.0	95.8	89.0	84.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	16.2	25.7	22.9	25.7	62.9	78.6	82.9	82.9	80.0	61.4	70.0
4	18.7	16.0	40.0	55.6	74.1	82.7	79.0	72.8	61.2	69.1	66.7
7	9.9	37.2	51.2	58.1	69.8	58.1	58.1	48.8	65.1	62.8	88.4
10	7.4	77.5	54.8	53.1	51.6	59.4	53.1	75.0	68.8	87.5	87.5
13	6.5	39.3	42.9	48.1	60.7	57.1	71.4	60.7	78.6	85.7	89.3
16	6.2	14.8	33.3	44.4	37.0	55.6	59.3	81.5	74.1	85.2	88.9
19	12.2	11.3	20.8	34.0	50.9	56.6	77.4	77.4	83.0	83.0	84.9
22	18.0	12.8	32.1	42.3	55.1	74.4	79.5	84.6	84.6	84.6	71.8

MARCH

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	23.1	71.0	63.0	65.0	65.0	82.0	34.0
4	20.3	79.5	73.9	76.[illegible]	85.2	72.7	34.1
7	22.6	87.8	88.8	90.7	86.7	[illegible].2.9	31.6
10	56.8	92.3	91.8	89.4	77.6	37.0	59.8
13	66.7	88.2	85.8	79.2	41.7	30.6	68.9
16	59.8	79.9	60.7	48.6	44.4	28.6	66.7
19	31.2	80.7	70.4	63.0	50.4	46.7	37.8
22	28.9	75.2	67.2	60.8	52.0	74.4	36.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	48.3	95.7	92.8	91.4	89.5	77.4	67.8
4	47.5	98.0	98.0	96.6	89.3	75.2	67.5
7	52.1	98.7	92.5	88.9	81.8	76.0	69.9
10	48.0	95.2	92.8	91.3	82.2	71.6	67.1
13	48.5	92.6	89.0	87.1	85.2	77.0	64.1
16	45.0	96.4	95.9	94.3	87.2	80.5	63.4
19	52.2	91.6	86.7	83.6	78.7	78.3	66.4
22	46.2	98.0	93.5	92.5	87.5	79.9	62.8

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	57.0	89.5	85.4	82.6	85.0	78.1	64.2
4	57.1	90.7	88.3	89.5	79.4	81.0	66.5
7	71.0	89.3	84.1	81.4	79.9	74.3	74.4
10	62.8	91.1	90.4	86.3	88.2	67.9	70.5
13	65.1	93.2	88.7	87.9	77.9	69.4	72.0
16	68.8	93.0	89.6	81.5	69.0	70.1	76.4
19	62.4	89.3	82.2	76.2	74.7	81.5	71.4
22	53.3	88.3	82.7	81.3	73.6	76.1	62.2

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	41.8	86.2	80.6	79.0	71.8	70.7	50.6
4	42.9	83.2	88.1	81.2	77.8	65.4	50.5
7	47.5	90.2	86.9	80.5	74.8	62.0	54.4
10	50.3	86.2	80.7	80.3	71.1	60.4	58.1
13	50.1	88.5	82.9	77.0	69.6	55.8	61.3
16	46.7	93.6	87.1	80.2	67.7	59.9	58.4
19	47.3	83.9	79.5	75.5	66.8	61.0	57.4
22	42.7	83.8	76.8	75.7	67.0	66.3	52.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.1	68.2	40.9	54.5	45.5	4.5	9.1
4	7.8	69.7	63.6	64.7	21.2	14.7	11.8
7	14.3	54.8	41.9	25.8	12.9	12.9	30.6
10	6.2	48.1	48.1	33.3	40.7	22.2	22.2
13	5.1	77.3	63.6	54.5	50.0	22.7	18.2
16	4.8	76.2	71.4	71.4	42.9	33.3	9.5
19	6.2	77.8	63.0	51.9	40.7	33.3	18.5
22	3.9	58.8	52.9	47.1	35.3	29.4	17.6

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	.0	66.7	.0	.0	.0
4	.7	100.0	66.7	33.3	33.3	.0	.0
7	.5	50.0	.0	.0	.0	.0	.0
10	.9	100.0	75.0	25.0	25.0	50.0	25.0
13	1.8	87.5	50.0	37.5	25.0	12.5	12.5
16	1.6	85.7	28.6	14.3	14.3	14.3	.0
19	3.9	58.8	41.2	35.3	5.9	.0	17.6
22	2.3	20.0	10.0	20.0	20.0	10.0	10.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	9.0	64.1	47.4	41.0	25.6	25.6	12.8
4	6.0	72.0	52.0	42.3	36.0	15.4	15.4
7	4.1	72.2	66.7	55.6	38.9	16.7	11.1
10	5.5	54.2	50.0	50.0	33.3	16.7	20.8
13	6.5	67.9	64.3	46.4	32.1	25.0	21.4
[illegible].3	6.5	53.6	46.4	57.1	32.1	28.6	21.4
19	8.5	78.4	56.8	56.8	51.4	18.9	18.9
22	7.2	54.8	64.5	54.8	32.3	22.6	6.5

MARCH

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	76.9	6.3	6.0	6.9	9.9	62.3	20.5
4	79.7	4.3	8.1	9.0	49.6	56.5	17.6
7	77.4	18.5	36.0	47.0	60.9	27.8	20.5
10	43.2	23.5	29.0	36.6	36.0	18.3	55.4
13	33.3	16.7	24.3	21.0	10.4	9.7	62.2
16	40.2	8.0	4.6	4.6	5.8	9.2	50.0
19	68.8	6.7	9.1	13.5	11.4	12.4	29.3
22	71.1	6.2	7.5	8.5	8.4	51.1	26.7

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	51.7	2.2	4.5	6.7	17.4	21.9	31.7
4	52.5	2.2	10.1	11.8	11.0	17.6	30.7
7	47.9	1.0	2.4	3.8	12.5	26.4	35.1
10	52.0	2.7	5.8	8.9	10.3	22.3	33.3
13	51.5	1.8	2.2	5.0	21.1	22.9	36.8
16	55.0	2.9	8.1	18.1	12.2	21.4	32.4
19	47.8	1.4	2.4	5.3	16.9	25.6	39.3
22	53.8	2.1	5.6	12.4	14.6	23.6	35.2

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	43.0	15.1	21.0	23.1	52.2	48.1	47.8
4	42.9	11.3	30.3	46.2	40.9	52.7	45.7
7	29.0	8.7	15.9	17.5	28.8	33.3	61.1
10	37.2	11.8	20.6	29.2	35.6	29.2	49.7
13	34.9	14.6	26.5	32.7	33.1	34.4	52.7
16	31.2	13.3	21.8	19.4	18.5	29.6	54.1
19	37.6	6.1	11.7	16.0	28.2	52.1	47.9
22	46.7	9.5	18.8	29.7	39.1	47.0	43.1

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	58.2	9.9	17.5	16.7	29.8	35.5	34.9
4	57.1	6.9	15.4	22.2	29.8	32.7	37.5
7	52.5	14.5	20.2	23.2	27.8	34.2	40.4
10	49.7	8.8	12.2	19.2	21.5	25.1	41.9
13	49.9	7.4	13.4	15.8	24.7	27.0	40.0
16	53.3	9.5	21.0	18.3	20.8	28.1	38.3
19	52.7	6.1	10.1	13.6	18.5	34.6	39.9
22	57.3	6.9	12.1	15.8	25.0	37.5	35.5

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.9	2.4	3.7	5.4	12.7	5.1	4.9
4	92.2	3.5	5.5	10.0	5.0	4.0	8.0
7	85.7	1.3	1.9	3.0	3.8	5.1	12.1
10	93.8	1.0	1.7	3.2	2.5	2.7	5.2
13	94.9	.7	1.9	2.2	3.9	4.1	4.4
16	95.2	1.7	2.2	2.9	1.9	7.0	4.9
19	93.8	.5	1.0	.7	2.7	13.5	5.7
22	96.1	1.0	2.4	3.4	7.2	5.3	3.6

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.5	.2	.5	1.9	.7
4	99.3	.2	.5	.2	.7	1.6	.7
7	99.5	.2	.5	.9	1.9	3.9	.5
10	99.1	.5	1.4	1.6	1.4	1.9	.7
13	98.2	.2	.9	.9	3.5	.5	1.4
16	98.4	.9	2.8	3.5	1.9	.5	2.4
19	96.1	.0	.2	1.0	.5	.5	3.6
22	97.7	.2	.2	.2	.2	.7	2.1

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.0	1.8	2.5	2.5	2.0	4.6	8.4
4	94.0	2.2	2.9	1.7	3.7	5.9	5.1
7	95.9	3.4	2.6	3.4	5.1	8.2	4.1
10	94.5	3.7	2.5	3.9	4.9	6.6	4.4
13	93.5	2.0	2.2	3.7	6.9	7.7	5.4
16	93.5	2.2	4.0	5.2	5.2	4.2	5.7
19	91.5	3.5	3.0	2.5	5.1	3.0	7.8
22	92.8	2.0	2.5	5.5	3.7	4.0	7.0

APRIL

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	77.9	93.0	92.7	90.5	92.4	93.6	94.2	92.4	90.8	83.2	82.3
4	77.1	96.9	96.0	94.1	94.8	94.4	93.2	90.1	83.6	83.3	82.1
7	87.4	94.3	94.3	92.6	94.6	93.2	89.9	81.2	81.2	78.5	88.8
10	86.4	96.4	96.1	96.7	94.2	90.9	83.5	82.1	80.2	89.5	87.9
13	91.4	95.8	96.4	93.8	90.4	82.8	80.5	78.9	88.3	86.2	90.4
16	89.5	96.8	92.8	91.5	83.5	81.9	79.5	88.6	88.3	92.3	91.5
19	86.9	93.2	89.9	87.9	83.8	80.8	89.9	88.8	92.9	91.0	89.0
22	78.8	91.2	90.3	89.1	85.2	91.5	92.4	94.3	91.5	91.8	82.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	22.1	19.4	24.7	30.1	69.9	61.3	81.7	79.6	73.1	63.4	61.3
4	22.9	26.0	51.0	64.6	58.3	81.3	77.1	76.0	62.5	58.3	57.3
7	12.6	22.6	37.7	43.4	69.8	64.2	66.0	62.3	52.8	62.3	71.7
10	13.6	38.6	50.9	57.9	59.6	61.4	49.1	49.1	52.6	68.4	73.7
13	8.6	19.4	44.4	44.4	50.0	36.1	47.2	50.0	69.4	83.3	94.4
16	10.5	22.7	36.4	47.7	38.6	40.9	50.0	70.5	65.9	77.3	68.2
19	13.1	9.1	12.7	18.2	36.4	47.3	65.5	67.3	76.4	76.4	70.9
22	21.2	16.9	28.1	34.8	43.8	68.5	61.8	77.5	79.8	67.4	60.7

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

APRIL

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	20.0	81.0	69.0	57.1	61.9	79.8	31.0
4	16.9	77.5	67.6	76.1	93.0	81.7	35.2
7	21.4	91.1	92.2	91.1	88.9	47.8	33.3
10	51.0	86.4	86.0	82.2	79.0	33.2	62.1
13	58.1	89.3	84.8	80.3	38.5	25.0	64.3
16	59.3	81.0	62.5	44.2	33.3	24.1	66.3
19	26.7	73.2	71.4	59.8	50.0	45.5	37.5
22	22.9	70.8	64.6	62.5	43.8	79.2	35.4

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	47.1	94.4	92.9	91.4	87.4	81.3	67.2
4	46.4	96.4	93.3	93.3	89.7	76.9	66.2
7	50.5	96.7	93.4	91.0	83.0	76.4	63.7
10	48.8	94.6	92.2	90.7	84.9	80.0	65.9
13	47.4	96.0	93.5	89.9	87.9	75.9	64.3
16	45.7	97.4	96.4	95.8	91.7	76.6	65.1
19	50.5	96.2	93.9	89.6	79.7	73.1	67.9
22	47.9	94.5	90.5	88.1	82.6	77.1	66.7

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	50.5	86.8	79.2	75.5	82.1	72.6	60.4
4	49.0	88.3	88.8	84.0	78.6	73.8	57.8
7	64.3	86.6	79.6	74.1	72.2	73.0	70.4
10	58.1	91.4	86.9	82.0	77.5	59.8	61.9
13	57.9	88.5	86.8	81.1	78.6	64.2	65.4
16	59.5	92.8	87.6	84.8	62.8	60.8	66.4
19	61.0	79.7	72.3	67.6	67.2	75.0	70.7
22	45.0	87.8	82.5	79.9	72.0	76.2	59.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	33.6	75.2	66.7	60.3	62.4	50.4	44.0
4	31.7	77.4	75.9	75.2	64.7	55.6	37.6
7	42.1	75.0	68.9	63.8	54.8	51.4	53.1
10	36.9	83.9	76.1	70.3	63.9	42.6	47.1
13	35.5	87.2	81.2	75.5	67.1	49.7	49.0
16	39.3	89.7	84.2	74.5	52.1	47.3	53.3
19	38.6	80.2	71.0	64.2	58.6	60.5	56.2
22	30.0	82.5	67.5	66.7	53.2	55.6	42.1

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	75.0	75.0	62.5	50.0	.0	.0
4	4.0	76.5	82.4	76.5	17.6	5.9	17.6
7	9.0	59.5	34.2	21.1	7.9	5.3	21.1
10	2.9	91.7	66.7	33.3	25.0	8.3	8.3
13	1.2	80.0	40.0	40.0	20.0	.0	20.0
16	2.4	30.0	40.0	20.0	.0	20.0	.0
19	1.0	100.0	25.0	25.0	25.0	75.0	.0
22	.5	50.0	50.0	50.0	50.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.5	50.0	50.0	100.0	.0	.0	.0
7	.7	66.7	.0	.0	.0	.0	.0
10	1.0	50.0	25.0	.0	.0	.0	.0
13	1.4	50.0	50.0	33.3	.0	.0	.0
16	2.9	33.3	33.3	16.7	.0	8.3	.0
19	2.6	45.5	18.2	9.1	.0	.0	9.1
22	.7	66.7	.0	.0	.0	.0	33.3

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	44.4	22.2	22.2	11.1	22.2	.0
4	2.1	33.3	22.2	33.3	.0	22.2	22.2
7	2.4	20.0	10.0	.0	10.0	.0	.0
10	1.0	75.0	75.0	50.0	50.0	50.0	.0
13	3.3	57.1	57.1	35.7	21.4	35.7	7.1
16	5.2	36.4	40.9	22.7	27.3	4.5	4.5
19	2.9	41.7	33.3	41.7	16.7	8.3	.0
22	2.9	66.7	58.3	41.7	16.7	8.3	.0

APRIL

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	80.0	4.5	4.8	6.8	11.3	52.7	16.4
4	83.1	4.6	7.4	10.3	42.4	54.7	12.3
7	78.6	17.6	33.0	40.0	49.7	20.9	17.0
10	49.0	18.4	30.1	33.0	38.8	12.1	36.4
13	41.9	20.5	33.5	30.1	10.2	11.4	48.9
16	40.7	8.2	5.3	1.2	7.6	4.7	47.4
19	73.3	7.1	8.1	9.4	8.1	11.4	21.8
22	77.1	5.9	7.1	6.5	8.0	40.7	19.1

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	52.9	1.4	3.6	6.3	17.6	17.1	28.8
4	53.6	5.3	8.9	13.3	13.3	18.7	28.4
7	49.5	1.4	3.4	5.8	11.1	24.0	35.1
10	51.2	1.9	3.7	6.0	8.4	17.2	31.2
13	52.6	1.4	2.7	5.9	16.7	20.8	29.9
16	54.3	4.0	7.5	12.3	11.0	20.2	28.5
19	49.5	.5	2.4	5.3	13.5	25.5	32.2
22	52.1	2.7	5.9	9.1	12.3	21.5	29.2

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	49.5	14.4	22.1	22.1	46.2	42.8	38.5
4	51.0	19.2	38.3	45.3	38.3	45.8	38.8
7	35.7	16.7	24.0	29.3	32.0	39.3	52.7
10	41.9	19.9	24.4	24.4	34.7	24.4	51.7
13	42.1	11.9	22.6	29.9	36.7	29.4	45.8
16	40.5	11.2	21.9	25.9	18.8	29.4	47.1
19	39.0	5.5	5.5	9.8	22.0	47.0	46.3
22	55.0	11.7	17.3	24.7	28.6	42.4	33.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	66.4	7.5	14.3	17.2	31.9	28.0	27.6
4	68.3	10.1	20.2	26.8	24.0	31.7	27.5
7	57.9	6.6	12.8	17.3	21.4	29.2	35.0
10	63.1	10.9	15.1	15.1	24.9	22.6	31.3
13	64.5	6.6	12.2	18.8	22.9	24.0	26.6
16	60.7	8.3	12.2	15.3	15.7	20.0	29.8
19	61.4	4.7	6.2	8.5	17.1	31.4	27.1
22	70.0	9.9	13.9	18.7	21.1	29.3	24.8

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	1.0	2.4	2.9	8.3	1.2	1.9
4	96.0	.7	7.9	6.2	2.2	2.2	3.0
7	91.0	.8	1.0	1.0	.5	.5	7.3
10	97.1	.5	.0	.2	1.7	.2	2.7
13	98.8	1.0	1.7	1.9	.7	1.9	1.2
16	97.6	1.0	.5	.5	.5	3.2	2.2
19	99.0	.2	.2	.2	1.7	7.9	1.0
22	99.5	.5	1.2	1.7	3.3	2.9	.2

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.5	.7	1.4	.0
4	99.5	.5	.0	.2	1.0	2.9	.5
7	99.3	.0	.2	1.0	1.4	2.6	.7
10	99.0	.2	.7	1.4	2.9	.7	1.4
13	98.6	1.0	1.9	2.4	2.7	.0	1.7
16	97.1	.7	1.5	2.2	.7	.2	2.2
19	97.4	.0	.7	.5	.0	.7	2.4
22	99.3	.2	.2	.0	.5	1.4	.5

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.5	.7	1.7	2.2	2.9	2.2
4	97.9	.2	1.7	1.7	1.0	4.9	1.7
7	97.6	.7	1.5	1.0	3.2	2.9	2.2
10	99.0	1.9	1.4	2.9	4.8	2.4	1.4
13	96.7	2.2	2.7	4.2	2.2	1.0	3.4
16	94.8	1.8	1.3	1.8	1.5	2.0	5.0
19	97.1	1.2	1.0	1.7	1.7	2.0	2.7
22	97.1	2.0	1.5	1.0	1.7	1.2	2.7

MAY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	68.7	92.6	86.6	84.9	85.2	90.9	93.3	94.3	91.9	80.2	76.5
4	65.2	93.6	91.9	90.1	92.6	95.4	95.4	92.9	81.6	79.2	72.4
7	76.5	94.6	91.9	91.9	93.7	94.6	90.1	79.2	75.6	69.9	81.6
10	81.8	96.1	94.9	95.2	95.2	91.0	79.7	75.8	71.0	80.6	86.8
13	85.9	96.0	96.0	96.2	91.7	80.6	75.0	69.9	80.9	86.0	90.0
16	89.9	96.4	93.8	91.5	80.5	73.3	68.7	80.5	85.4	89.7	92.1
19	85.7	95.4	90.1	84.4	76.3	70.4	80.6	85.5	90.0	93.0	89.2
22	75.1	91.4	87.4	84.0	77.3	83.4	87.7	92.6	93.3	91.1	78.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	31.3	16.2	22.8	22.1	57.4	61.8	69.9	80.1	72.1	64.0	52.2
4	34.8	29.8	49.0	51.0	61.6	68.2	79.5	72.2	62.9	49.7	51.7
7	23.5	28.1	41.2	49.0	60.8	74.5	71.6	61.8	47.1	50.0	62.7
10	18.2	19.0	32.9	44.3	65.8	62.0	54.4	38.0	39.2	62.0	62.0
13	14.1	27.9	37.7	50.8	49.2	41.0	32.8	37.7	54.1	60.7	67.2
16	10.1	27.3	31.8	34.1	27.3	29.5	34.1	47.7	54.5	59.1	72.7
19	14.3	11.3	16.1	19.4	24.2	33.9	56.5	62.9	66.1	72.6	66.1
22	24.9	10.2	16.7	23.1	28.7	58.3	65.7	68.5	80.6	70.4	64.8

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	14.1	68.9	55.7	49.2	45.9	85.2	41.0
4	10.1	96.4	68.2	72.7	88.6	86.4	29.5
7	16.6	83.3	93.1	91.7	93.1	50.0	26.4
10	37.6	86.5	86.5	85.3	75.5	33.1	54.6
13	52.4	85.0	79.3	74.9	39.2	21.6	67.0
16	53.5	76.2	54.3	40.9	29.7	14.2	60.8
19	24.2	75.2	60.0	55.2	37.1	32.4	45.7
22	19.6	72.9	56.5	55.3	35.3	68.2	49.4

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	37.8	95.7	92.7	89.0	85.4	78.5	56.7
4	36.9	95.6	94.4	91.0	88.1	74.4	60.6
7	39.9	94.2	89.6	87.9	79.7	75.7	59.5
10	38.2	97.0	91.6	87.9	79.5	69.9	59.6
13	37.0	96.2	92.5	87.5	85.6	71.9	61.0
16	36.4	98.7	96.8	96.2	87.3	75.9	56.3
19	41.5	93.9	87.2	82.2	76.1	68.9	61.1
22	35.9	94.2	91.7	89.7	84.0	73.1	58.3

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	46.5	86.1	76.7	71.8	73.8	76.2	58.9
4	44.7	91.2	85.1	77.8	79.9	79.4	52.6
7	57.6	87.6	83.6	83.2	78.8	81.6	65.6
10	61.5	89.9	84.6	82.0	79.4	62.5	71.5
13	60.3	92.3	89.7	89.3	88.9	60.9	71.6
16	66.1	89.9	89.9	88.5	69.0	52.3	73.9
19	71.2	90.9	81.6	70.9	59.5	68.3	79.3
22	53.5	84.9	75.0	71.1	61.2	72.8	63.4

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	28.8	78.4	72.0	67.2	68.8	64.8	42.4
4	27.0	82.9	78.6	75.2	67.5	76.9	41.0
7	38.7	81.0	73.8	67.3	67.3	67.9	53.0
10	36.6	89.9	83.6	77.4	76.1	56.0	52.8
13	38.8	84.5	84.5	82.7	76.8	51.2	56.0
16	46.1	91.5	85.5	84.0	60.0	43.5	62.5
19	50.2	89.0	69.7	60.1	45.9	56.9	67.0
22	34.6	77.3	64.0	60.0	50.7	57.3	53.3

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	100.0	100.0	33.3	.0	.0	.0
4	2.8	66.7	58.3	33.3	25.0	16.7	16.7
7	6.7	65.5	48.3	55.2	44.8	20.7	41.4
10	4.6	85.0	70.0	70.0	60.0	20.0	35.0
13	3.7	87.5	81.3	75.0	37.5	6.3	43.8
16	4.1	55.6	27.8	27.8	16.7	11.1	27.8
19	3.2	57.1	42.9	35.7	7.1	50.0	21.4
22	1.8	50.0	25.0	12.5	25.0	50.0	25.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	.0	.0	.0	.0	.0	.0
4	.9	50.0	.0	.0	.0	.0	.0
7	.5	.0	.0	.0	.0	50.0	.0
10	2.1	66.7	44.4	33.3	11.1	.0	.0
13	4.2	72.2	61.1	50.0	16.7	.0	11.1
16	8.5	70.3	43.2	29.7	10.8	8.1	24.3
19	5.1	77.3	31.8	18.2	.0	.0	13.6
22	3.0	69.2	38.5	15.4	7.7	15.4	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	25.0	50.0	.0	.0	25.0	.0
4	2.5	27.3	18.2	27.3	.0	27.3	.0
7	2.5	36.4	36.4	36.4	36.4	9.1	9.1
10	3.5	60.0	53.3	66.7	26.7	26.7	.0
13	4.8	47.6	47.6	47.6	9.5	.0	4.8
16	6.2	51.9	29.6	25.9	14.8	3.7	7.4
19	4.4	57.9	26.3	21.1	10.5	.0	5.3
22	3.7	50.0	37.5	18.8	18.8	18.8	6.3

MAY

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	85.9	2.7	3.5	3.8	11.8	47.0	9.4
4	89.9	2.8	4.4	10.3	31.8	49.7	7.9
7	83.4	13.0	18.2	26.8	44.3	19.1	14.9
10	62.4	11.8	23.2	32.6	40.2	11.4	27.3
13	47.6	19.0	24.8	30.1	7.8	5.3	34.6
16	46.5	10.9	7.4	5.0	7.9	5.4	44.1
19	75.8	6.1	7.0	8.2	6.4	11.9	18.5
22	80.4	4.0	4.0	3.7	4.0	30.1	12.6

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	62.2	2.2	3.3	5.2	12.2	11.9	25.9
4	63.1	1.5	4.0	7.7	9.1	14.2	22.2
7	60.1	2.7	3.8	5.4	8.8	18.8	26.4
10	61.8	1.5	3.7	5.6	9.7	14.9	24.6
13	63.0	3.7	4.8	6.2	15.4	17.6	23.1
16	63.6	4.0	7.2	10.1	6.5	13.8	23.9
19	58.5	1.2	2.4	3.1	10.2	18.9	26.4
22	64.1	2.9	6.1	8.3	9.7	18.3	22.7

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	53.5	15.1	18.5	21.1	43.5	46.3	36.6
4	55.3	23.7	41.7	41.2	46.7	55.4	38.7
7	42.4	19.6	29.3	32.1	35.0	57.1	47.3
10	38.5	18.6	21.6	25.3	44.9	38.9	46.1
13	39.7	9.4	21.5	30.8	49.2	26.2	44.4
16	33.9	19.0	27.9	37.4	23.1	30.6	51.7
19	28.8	4.8	8.8	10.4	16.0	32.0	51.2
22	46.5	10.9	15.3	19.3	26.2	49.0	41.1

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	71.2	7.1	9.1	10.7	26.5	28.2	23.6
4	73.0	11.7	22.1	25.2	25.2	34.7	22.4
7	61.3	12.4	15.4	17.3	20.8	39.1	29.7
10	63.4	5.8	12.4	16.4	28.7	22.2	27.6
13	61.2	9.5	14.0	23.0	33.6	15.1	28.8
16	53.9	10.3	17.9	21.4	12.8	13.7	32.1
19	49.8	6.9	8.8	8.8	12.0	20.4	34.3
22	65.4	6.7	8.1	12.7	15.1	26.1	24.3

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.9	1.6	2.6	6.7	3.7	.7
4	97.2	2.6	5.7	5.9	4.3	3.8	2.4
7	93.3	.0	.0	1.0	.7	2.0	4.2
10	95.4	.5	.7	.5	1.4	1.0	3.1
13	96.3	1.9	2.4	1.4	1.9	.5	2.2
16	95.9	1.4	1.4	2.2	1.2	2.4	3.4
19	96.9	.0	1.2	.7	.5	5.2	2.4
22	98.2	.7	.2	.5	2.3	3.8	1.4

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.7	.9	.9	.5	4.2	.9
4	99.1	.2	.9	.5	2.1	8.6	.9
7	99.5	.0	.7	2.1	4.2	4.9	.5
10	97.9	1.2	2.6	3.5	8.5	3.1	1.6
13	95.8	3.4	4.1	6.7	4.6	1.0	3.6
16	91.5	2.0	3.8	2.8	2.3	.3	7.3
19	94.9	1.5	1.5	2.2	1.0	.5	4.9
22	97.0	.5	.2	.5	.7	1.2	3.1

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	1.2	.9	2.6	2.6	4.7	.9
4	97.5	.7	1.7	1.9	3.5	5.7	3.1
7	97.5	.7	1.2	2.6	4.0	4.3	2.6
10	96.5	.7	.5	2.6	5.5	2.9	3.1
13	95.2	3.2	2.9	4.1	4.1	1.0	4.6
16	93.8	3.0	3.9	2.9	2.9	2.9	6.4
19	95.6	1.7	2.9	2.9	.5	2.9	4.3
22	96.3	1.9	1.2	.2	2.4	2.4	3.8

JUNE

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	67.9	89.8	80.9	79.5	85.9	88.7	92.2	95.4	94.3	83.3	73.2
4	62.6	94.6	93.8	88.1	90.0	93.5	95.4	93.8	84.6	74.0	70.9
7	76.0	94.6	93.1	90.9	93.4	93.1	92.4	83.2	70.1	66.9	81.5
10	81.3	95.3	92.9	93.5	95.0	92.6	81.7	69.3	66.7	79.5	85.4
13	86.6	96.7	95.0	95.3	92.5	83.6	70.1	65.4	80.2	85.8	89.7
16	89.4	98.1	94.9	93.0	82.0	69.7	64.3	78.6	84.9	89.5	92.2
19	87.3	96.7	92.3	86.5	71.7	66.1	79.7	85.6	91.7	93.3	90.8
22	77.6	91.0	81.6	78.1	70.3	82.2	87.2	92.2	93.8	92.2	84.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	32.1	19.4	28.4	26.9	55.2	65.7	74.6	76.9	72.4	65.7	51.5
4	37.4	34.6	59.6	55.8	66.7	75.0	79.5	76.3	66.0	53.2	46.2
7	24.0	29.0	45.0	51.0	65.0	78.0	71.0	60.0	54.0	45.0	52.0
10	18.7	33.3	46.2	56.4	65.4	64.1	60.3	52.6	39.7	52.6	61.5
13	13.4	21.4	32.1	51.8	53.6	39.3	41.1	37.5	37.5	50.0	64.3
16	10.6	34.1	27.3	38.6	40.9	36.4	38.6	38.6	47.7	59.1	68.2
19	12.7	13.2	11.3	17.0	28.3	30.2	37.7	49.1	49.1	64.2	56.6
22	22.4	19.4	20.4	24.7	32.3	47.3	59.1	65.6	75.3	66.7	53.8

JUNE

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.2	70.0	56.7	56.7	60.0	76.7	37.9
4	7.4	61.3	54.8	77.4	83.9	74.2	36.7
7	8.9	81.1	86.5	86.5	89.2	45.9	44.4
10	21.8	76.9	65.7	82.4	69.2	23.3	36.4
13	41.0	80.7	71.3	65.5	32.7	12.4	54.4
16	43.2	70.6	50.6	32.8	17.3	11.8	56.7
19	19.5	59.3	42.0	37.5	25.3	25.3	38.0
22	10.8	68.9	51.2	37.2	34.9	51.2	32.6

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	22.3	94.6	87.1	84.9	81.7	76.3	63.0
4	20.6	98.8	96.5	95.3	91.9	83.7	63.5
7	23.5	92.9	86.7	85.7	80.6	77.3	66.0
10	22.1	97.8	96.7	93.5	90.2	78.3	63.7
13	23.5	93.9	92.9	92.9	90.7	73.2	61.9
16	23.0	99.0	97.9	97.9	86.5	67.4	61.1
19	26.4	93.6	88.2	81.8	70.6	63.3	63.0
22	22.6	95.7	89.2	86.0	77.4	73.1	65.6

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	56.6	82.2	73.7	71.6	80.1	78.0	65.7
4	51.3	89.7	87.8	81.3	82.2	85.0	62.1
7	67.1	92.1	89.6	86.4	84.6	97.8	76.9
10	72.2	93.4	87.7	85.7	86.4	75.7	79.9
13	71.5	94.3	91.3	90.3	91.3	63.1	84.4
16	74.3	97.1	94.8	93.9	80.9	57.0	82.7
19	79.8	94.6	89.2	82.2	64.4	75.7	87.2
22	67.1	88.5	78.6	71.7	59.8	82.6	78.5

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	34.1	78.2	62.0	61.3	66.9	68.3	51.8
4	29.0	83.5	79.3	75.2	72.7	84.3	42.0
7	41.7	87.4	77.6	76.4	70.1	78.0	54.4
10	45.1	85.1	80.2	78.2	84.0	65.2	57.3
13	48.9	91.2	88.7	90.7	89.2	45.3	60.2
16	59.2	96.8	94.7	92.3	72.0	39.8	76.2
19	64.7	92.9	85.9	72.9	45.1	53.0	80.4
22	51.2	74.6	64.3	55.7	43.3	61.0	69.9

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	62.5	50.0	37.5	37.5	25.0	28.6
4	2.6	81.8	81.8	54.5	27.3	27.3	40.0
7	4.3	44.4	16.7	27.8	27.8	33.3	17.6
10	1.4	66.7	83.3	66.7	66.7	16.7	.0
13	3.4	71.4	50.0	50.0	28.6	15.4	.0
16	7.4	48.4	38.7	23.3	9.7	6.9	13.8
19	4.1	23.5	11.8	17.6	18.8	12.5	18.8
22	1.4	83.3	60.0	40.0	20.0	20.0	20.0

CRITERIA SIX THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	87.5	25.0	12.5	.0	12.5	12.5
4	1.2	40.0	20.0	.0	.0	20.0	.0
7	.7	66.7	.0	33.3	.0	.0	.0
10	2.6	72.7	36.4	45.5	9.1	.0	18.2
13	16.1	73.1	47.8	35.8	23.9	4.5	31.3
16	18.0	69.3	46.7	28.4	2.7	2.7	37.3
19	11.3	51.1	25.5	6.4	4.3	.0	19.1
22	1.4	33.3	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.1	58.8	41.2	35.3	35.3	23.5	13.3
4	3.1	53.8	46.2	69.2	30.8	53.8	18.2
7	3.6	60.0	40.0	40.0	33.3	60.0	25.0
10	2.2	66.7	55.6	55.6	66.7	44.4	.0
13	8.4	71.4	51.4	40.0	22.9	18.2	12.1
16	12.9	68.5	48.1	35.8	14.8	5.9	27.5
19	10.6	50.0	29.5	27.3	17.1	14.6	29.3
22	4.3	55.6	56.3	43.8	25.0	18.8	25.0

JUNE

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.8	4.4	3.6	3.6	4.9	38.2	4.4
4	92.6	1.0	1.8	3.4	16.8	40.7	4.4
7	91.1	7.1	9.5	15.5	36.3	16.9	4.8
10	78.2	9.5	22.2	29.4	35.9	7.4	16.3
13	59.0	23.6	26.4	27.6	10.2	2.9	29.8
16	56.8	12.2	11.0	9.3	5.9	3.0	33.9
19	80.5	5.4	5.7	4.5	2.4	4.2	13.2
22	89.2	4.3	3.0	3.0	3.5	16.8	6.8

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	77.7	.3	.9	2.2	6.8	8.3	9.0
4	79.4	.9	2.7	4.8	3.9	7.3	8.8
7	76.5	.6	.9	2.5	6.0	11.0	9.5
10	77.9	.6	1.5	3.7	4.0	6.8	9.0
13	76.5	.6	1.3	1.6	6.9	5.0	10.4
16	77.0	2.5	3.4	5.3	3.4	6.0	11.0
19	73.6	.0	.0	1.0	3.0	7.9	12.2
22	77.4	.9	.9	2.2	3.4	5.9	9.1

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	43.4	17.1	23.2	24.9	50.3	63.0	44.2
4	48.7	35.5	54.2	52.2	61.6	63.1	38.9
7	32.9	24.1	35.0	43.1	44.5	63.5	46.0
10	27.8	22.4	30.2	34.5	43.1	44.8	55.2
13	28.5	13.4	25.2	34.5	50.8	39.5	42.0
16	25.7	22.4	25.2	39.3	27.1	32.7	52.3.
19	20.2	9.5	13.1	8.3	23.8	32.1	48.8
22	32.9	16.1	13.1	25.5	32.8	53.3	45.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	65.9	6.9	12.0	12.4	28.7	38.9	24.4
4	71.0	14.2	22.7	28.0	33.8	49.0	22.4
7	58.3	10.7	18.5	22.6	33.7	55.1	31.3
10	54.9	9.6	17.9	24.9	38.9	39.7	34.1
13	51.1	19.2	23.5	29.1	41.0	22.5	36.6
16	40.8	14.7	22.9	24.7	21.2	11.2	34.1
19	35.3	8.8	10.9	11.6	12.2	19.0	34.7
22	48.8	5.4	6.9	10.8	12.3	27.6	32.0

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	2.4	2.0	2.0	3.7	2.9	1.5
4	97.4	1.7	4.7	3.0	.7	6.9	2.0
7	95.7	.0	.5	.3	2.3	2.8	3.5
10	98.6	.5	1.5	2.4	6.6	1.2	1.2
13	96.6	3.7	3.5	6.0	3.2	1.5	3.2
16	92.6	1.3	2.8	2.6	.8	2.6	6.8
19	95.9	1.8	2.5	.8	1.3	3.8	3.5
22	98.6	.7	.7	1.5	2.7	1.0	1.2

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	1.0	1.5	1.0	.7	16.1	1.5
4	98.8	1.0	.5	.7	2.7	18.0	1.2
7	99.3	.2	.7	2.4	16.2	11.4	.7
10	97.4	4.9	7.7	15.3	18.2	1.5	2.2
13	83.9	8.9	13.1	14.6	8.9	1.2	13.3
16	82.0	5.8	7.3	7.6	1.2	.9	13.9
19	88.7	1.4	1.4	.8	1.4	.8	10.1
22	98.6	1.5	1.2	1.7	1.2	2.7	1.5

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.9	1.5	2.0	1.7	2.2	7.7	3.8
4	96.9	1.0	1.5	1.5	1.2	11.6	2.2
7	96.4	1.0	1.2	.7	7.5	8.7	3.0
10	97.8	2.0	3.9	7.4	11.8	3.4	2.2
13	91.6	6.3	6.8	10.5	9.4	2.9	7.9
16	87.1	4.4	6.9	6.9	2.8	2.2	10.7
19	89.4	3.5	3.8	1.6	2.7	2.4	8.4
22	95.7	2.5	2.0	2.5	1.8	1.5	3.3

JULY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	59.0	87.9	76.6	71.5	82.8	87.9	93.0	94.9	93.8	79.3	69.1
4	48.2	93.8	93.8	89.5	91.9	93.3	95.2	93.8	79.9	72.2	57.4
7	69.6	92.7	92.4	94.0	94.7	95.4	93.0	77.8	69.2	54.0	78.5
10	80.4	95.4	94.6	93.4	94.6	89.1	74.8	66.2	53.3	75.9	84.0
13	86.4	96.3	96.3	94.7	90.1	73.3	64.0	52.5	74.9	83.5	88.8
16	90.6	95.7	93.9	91.1	72.3	63.1	50.6	74.0	83.0	88.5	93.4
19	85.0	92.4	82.1	77.5	67.2	53.7	76.7	82.9	89.7	93.2	90.5
22	67.1	90.0	82.4	77.3	61.9	83.5	88.0	93.1	95.9	93.1	79.4

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	41.0	11.2	15.2	14.6	50.6	69.7	77.0	84.3	72.5	49.4	46.1
4	51.8	30.8	55.1	51.1	69.8	80.0	86.2	76.9	55.1	48.0	40.0
7	30.4	16.7	34.1	49.2	67.4	79.5	66.7	42.4	37.9	35.6	53.0
10	19.6	34.1	54.1	57.6	74.1	68.2	35.3	32.9	28.2	49.4	67.1
13	13.6	45.8	57.6	64.4	52.5	27.1	32.2	22.0	44.1	62.7	71.2
16	9.4	29.3	34.1	26.8	17.1	26.8	26.8	39.0	58.5	65.9	65.9
19	15.0	1.5	4.6	7.7	16.9	18.5	36.9	67.7	67.7	76.9	55.9
22	32.9	12.6	17.5	23.8	21.0	44.8	65.7	72.7	80.4	69.9	42.7

JULY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	70.0	50.0	40.0	30.0	80.0	10.0
4	3.0	69.2	38.5	69.2	53.8	46.2	7.7
7	3.7	87.5	68.8	62.5	56.3	37.5	12.5
10	13.6	88.1	83.1	69.5	67.8	11.9	39.0
13	28.6	79.0	67.7	67.7	19.4	2.4	42.7
16	44.7	65.5	40.2	19.1	6.7	5.2	55.2
19	10.1	45.5	20.5	15.9	15.9	9.1	13.6
22	4.1	44.4	22.2	22.2	16.7	50.0	22.2

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	8.3	97.2	88.9	86.1	83.3	61.1	47.2
4	8.1	97.1	94.3	94.3	88.6	60.0	45.7
7	9.7	88.1	83.3	81.0	61.9	52.4	42.9
10	8.8	86.8	78.9	78.9	71.1	57.9	52.6
13	7.6	96.9	87.9	87.9	78.8	72.7	48.5
16	7.6	100.0	100.0	90.9	78.8	69.7	48.5
19	9.2	90.0	77.5	75.0	75.0	60.0	40.0
22	6.9	96.7	93.3	93.3	80.0	70.0	43.3

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	54.6	86.5	75.5	69.2	90.6	89.5	65.8
4	44.5	92.2	92.2	87.0	90.7	88.6	53.9
7	65.7	91.9	91.6	93.3	92.6	92.3	76.1
10	74.9	94.4	92.9	92.0	88.3	73.2	81.8
13	78.1	95.0	93.2	90.0	91.4	63.7	83.5
16	76.7	95.8	96.1	94.9	75.1	51.7	86.8
19	82.5	91.6	79.9	74.3	63.7	72.9	88.5
22	62.2	90.4	81.4	75.9	60.0	85.9	79.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	33.2	76.4	63.9	53.5	61.8	67.4	47.9
4	23.0	90.0	84.0	80.0	77.0	88.0	34.0
7	38.7	85.1	81.0	76.2	75.6	92.1	53.6
10	42.4	91.8	86.4	83.7	80.4	58.7	57.1
13	49.8	91.2	88.9	87.5	83.8	46.8	62.0
16	60.1	95.4	92.3	90.0	61.7	33.7	75.9
19	66.4	90.3	74.3	62.2	43.8	52.1	81.9
22	43.3	79.8	65.2	56.4	39.4	57.4	61.7

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	25.0	25.0	.0	.0	.0
4	1.2	60.0	40.0	20.0	20.0	20.0	.0
7	1.8	50.0	25.0	12.5	12.5	.0	12.5
10	.5	100.0	100.0	100.0	50.0	.0	.0
13	1.8	25.0	12.5	12.5	.0	.0	12.5
16	3.9	35.3	29.4	5.9	5.9	.0	11.8
19	1.4	66.7	16.7	16.7	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	.0	.0	.0	.0	.0
4	.9	50.0	.0	.0	.0	25.0	.0
7	.9	50.0	.0	.0	.0	25.0	.0
10	1.8	100.0	75.0	75.0	50.0	.0	.0
13	18.2	79.7	59.5	54.4	20.3	.0	39.2
16	28.8	73.6	49.6	28.8	8.8	.8	49.6
19	12.5	44.4	31.5	16.7	.0	.0	24.1
22	4.1	55.6	5.9	.0	.0	5.6	16.7

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	50.0	25.0	25.0	25.0	.0
4	.9	75.0	50.0	25.0	25.0	75.0	.0
7	1.6	28.6	28.6	28.6	14.3	14.3	.0
10	2.3	20.0	30.0	40.0	30.0	10.0	.0
13	5.5	50.0	29.2	33.3	20.8	4.2	20.8
16	11.3	51.0	51.0	36.7	8.2	4.1	22.4
19	9.7	57.1	23.8	9.5	2.4	.0	19.0
22	3.2	21.4	15.4	7.1	7.1	14.3	7.1

JULY

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.5	2.1	2.1	3.1	27.4	1.9
4	97.0	.5	.0	1.7	12.4	44.7	2.9
7	96.3	4.5	10.3	11.7	27.5	9.1	3.1
10	86.4	8.6	18.9	22.1	41.1	2.9	9.6
13	71.4	24.6	31.1	35.5	6.5	1.9	23.5
16	55.3	15.4	14.2	2.9	2.1	1.3	35.4
19	89.9	3.8	2.8	2.8	.5	2.8	10.0
22	95.9	1.7	2.9	1.2	2.4	12.0	3.4

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.7	.3	.8	1.0	3.0	2.8	4.8
4	91.9	.8	1.5	2.3	1.8	3.0	4.5
7	90.3	.3	.3	1.0	1.8	4.6	5.9
10	91.2	.3	.3	.8	1.5	2.0	4.3
13	92.4	.0	.5	1.0	3.5	3.0	4.0
16	92.4	.7	1.7	2.5	1.0	2.7	3.7
19	90.8	.0	.0	.0	1.5	4.3	5.3
22	93.1	.2	.7	2.0	2.5	4.0	3.7

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	45.4	11.2	14.2	14.7	47.7	64.5	42.6
4	55.5	28.7	51.0	48.5	62.2	67.2	37.3
7	34.3	11.4	28.2	39.6	50.3	63.8	49.0
10	25.1	24.8	40.4	36.7	42.2	29.4	55.0
13	21.9	20.0	26.3	29.5	50.5	25.3	57.9
16	23.3	22.8	32.7	41.6	19.8	21.8	45.5
19	17.5	2.6	3.9	5.3	15.8	38.2	56.6
22	37.8	9.1	13.4	21.3	19.5	57.3	35.4

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	66.8	4.8	7.2	7.9	27.2	41.0	25.9
4	77.0	13.2	25.1	26.3	32.0	51.8	20.1
7	61.3	6.4	14.7	21.1	33.5	56.4	30.8
10	57.6	10.0	20.8	24.8	45.2	32.0	32.8
13	50.2	14.3	25.3	33.0	49.1	19.7	39.9
16	39.9	13.3	23.7	30.6	15.6	7.5	38.2
19	33.6	2.7	4.8	6.2	12.3	15.1	37.0
22	56.7	5.3	8.9	15.4	11.0	32.1	29.7

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.7	.2	.9	1.9	1.9	.7
4	98.8	1.4	3.7	1.6	.2	3.7	.9
7	98.2	.5	.2	.2	1.6	1.4	1.6
10	99.5	.5	.9	1.4	3.7	.2	.5
13	98.2	1.6	2.1	3.8	1.4	.7	1.6
16	96.1	2.4	3.4	1.2	.0	1.0	3.8
19	98.6	.9	1.2	.0	.7	1.9	1.4
22	99.8	.9	.5	.7	.9	.5	.5

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.7	.9	.9	18.3	.5
4	99.1	.2	.9	.9	1.9	28.8	.9
7	99.1	.2	.2	1.9	18.4	12.3	.9
10	98.2	4.0	9.9	17.1	28.4	4.2	1.9
13	81.8	10.7	19.5	23.1	10.7	.6	14.1
16	71.2	4.2	8.4	5.8	2.3	1.0	21.7
19	87.6	2.6	3.4	2.4	.5	1.1	10.8
22	95.9	.7	.7	.5	1.0	1.7	3.6

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.2	.9	.7	1.4	5.3	.7
4	99.1	1.2	1.2	1.4	2.1	10.7	.9
7	98.4	.9	.9	1.9	5.4	9.6	1.4
10	97.7	2.4	3.3	4.7	10.8	3.1	2.4
13	9·.5	5.1	6.4	10.0	9.0	.5	4.6
16	88.7	6.5	8.8	6.2	2.6	.5	10.9
19	90.3	3.1	3.6	2.6	.5	1.5	8.9
22	96.8	2.1	1.9	.5	.7	1.9	3.1

AUGUST

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	57.4	87.4	75.3	72.9	81.0	83.8	88.3	91.1	89.9	77.3	68.2
4	52.3	84.4	88.8	80.4	83.6	88.9	88.9	87.6	73.3	66.2	60.4
7	69.3	89.3	87.9	86.2	90.9	90.6	89.6	75.8	62.9	57.1	73.1
10	73.3	95.9	94.3	92.4	89.8	89.8	71.7	63.8	58.0	74.4	79.5
13	81.4	95.7	95.1	92.6	88.9	70.6	62.7	56.4	72.0	77.5	85.0
16	84.4	95.3	91.2	90.1	72.5	61.6	55.2	72.1	76.3	84.7	87.2
19	81.9	87.5	79.8	75.6	64.7	55.7	71.8	75.9	84.8	87.4	87.1
22	64.7	89.9	83.6	77.0	64.2	77.0	79.6	88.0	89.4	87.6	72.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	42.6	16.9	20.8	24.6	53.6	59.0	72.1	75.4	71.0	47.5	41.4
4	47.7	19.5	59.0	57.1	62.0	73.2	79.5	75.6	55.1	46.6	43.6
7	30.7	18.9	35.6	43.9	59.8	70.9	64.4	39.4	43.2	41.7	56.8
10	26.7	30.4	43.5	51.3	69.6	60.3	45.2	37.7	36.8	50.9	53.5
13	18.6	27.5	47.5	48.7	51.2	38.7	31.3	35.0	51.2	51.2	62.5
16	15.6	22.4	25.4	37.3	22.4	31.3	37.3	46.3	52.2	59.7	62.7
19	18.1	3.8	9.0	15.4	21.8	37.2	51.3	57.7	62.9	65.4	55.1
22	35.3	11.2	16.7	20.4	30.9	52.0	59.9	67.8	72.4	69.7	49.3

AUGUST

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.6	45.5	45.5	45.5	36.4	63.6	9.1
4	1.4	33.3	66.7	50.0	66.7	50.0	.0
7	3.0	53.8	53.8	61.5	92.3	38.5	7.7
10	10.7	73.9	67.4	69.6	47.8	10.9	23.9
13	24.9	68.2	67.3	55.1	16.8	4.8	46.7
16	29.5	57.5	29.1	17.3	6.3	1.6	37.0
19	7.9	44.1	29.4	23.5	17.6	11.8	23.5
22	3.7	37.5	25.0	31.3	12.5	43.8	12.5

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	88.5	76.9	73.1	65.4	53.8	34.6
4	6.3	100.0	100.0	92.6	77.8	59.3	22.2
7	8.1	85.7	80.0	68.6	54.3	45.7	22.9
10	6.3	88.9	81.5	81.5	74.1	48.1	29.6
13	6.5	100.0	89.3	78.6	67.9	48.1	37.0
16	6.7	96.6	96.6	89.7	72.4	46.4	39.3
19	7.4	87.5	81.3	75.0	63.3	50.0	40.0
22	6.0	100.0	91.7	87.5	66.7	62.5	37.5

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	53.7	81.8	73.2	70.6	80.1	84.0	64.6
4	45.6	83.7	87.8	82.1	83.7	87.8	57.5
7	66.0	88.7	87.0	84.2	85.9	87.7	71.8
10	70.7	95.4	92.4	88.5	86.5	68.1	77.4
13	74.7	95.0	92.2	90.3	89.1	60.3	82.0
16	76.7	94.8	93.3	93.0	72.1	51.5	84.0
19	79.1	87.3	77.6	73.5	62.8	70.2	85.1
22	60.9	88.9	81.4	74.4	60.9	77.9	69.4

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	30.5	74.0	58.8	49.6	61.1	61.8	43.4
4	20.7	80.9	77.5	67.4	67.4	77.5	28.4
7	34.4	79.7	68.9	65.5	65.5	78.4	42.1
10	39.8	88.9	83.6	77.8	77.8	55.6	53.8
13	46.0	92.4	90.4	88.9	82.8	40.5	54.9
16	55.3	95.0	92.4	87.4	61.8	26.9	72.6
19	61.4	85.9	71.1	64.4	41.9	42.7	75.8
22	42.3	75.8	61.2	55.1	35.4	52.8	61.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	20.0	20.0	20.0	20.0	.0	.0
4	3.0	61.5	61.5	15.4	.0	.0	15.4
7	2.8	50.0	25.0	8.3	8.3	.0	8.3
10	.5	50.0	50.0	50.0	50.0	.0	.0
13	1.6	28.6	42.9	14.3	.0	.0	.0
16	3.7	37.5	18.8	18.8	6.3	.0	7.1
19	1.4	50.0	33.3	16.7	.0	.0	.0
22	.5	100.0	50.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	25.0	12.5	.0	.0	12.5	.0
4	1.2	40.0	20.0	40.0	20.0	.0	.0
7	1.2	40.0	40.0	.0	.0	.0	.0
10	4.2	72.2	55.6	55.6	22.2	.0	25.0
13	15.3	78.8	56.1	36.4	10.6	1.5	26.2
16	20.5	67.0	42.0	21.6	3.4	2.3	37.9
19	8.4	58.3	27.8	13.9	8.3	2.8	13.9
22	2.6	63.6	36.4	9.1	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	50.0	20.0	30.0	20.0	10.0	.0
4	1.2	20.0	20.0	40.0	.0	40.0	.0
7	1.4	33.3	33.3	16.7	.0	.0	16.7
10	1.9	25.0	25.0	25.0	12.5	12.5	.0
13	5.6	54.2	41.7	37.5	12.5	4.2	4.2
16	12.3	54.7	45.3	28.3	5.7	3.9	21.6
19	7.0	53.3	20.0	20.0	3.3	3.3	23.3
22	2.1	33.3	37.5	12.5	.0	.0	12.5

AUGUST

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.4	1.2	.2	.2	2.1	23.9	2.2
4	98.6	.9	.2	2.4	9.9	29.2	1.2
7	97.0	4.1	7.0	9.1	22.8	7.0	2.7
10	89.3	6.5	11.7	19.5	27.3	2.9	8.9
13	75.1	14.6	19.5	21.1	5.0	1.6	17.8
16	70.5	6.3	5.0	4.0	2.6	1.0	23.7
19	92.1	3.5	2.5	2.0	1.0	2.0	6.4
22	96.3	1.0	1.0	1.2	.7	9.3	3.2

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	.5	1.2	2.0	4.5	3.5	3.8
4	93.7	.2	.5	2.5	1.5	3.2	5.3
7	91.9	.3	.3	.8	2.3	4.1	6.9
10	93.7	.5	.7	1.5	2.2	3.2	4.8
13	93.5	.5	1.2	1.7	3.2	2.8	4.5
16	93.3	.2	.5	1.5	1.2	3.5	4.5
19	92.6	.3	.5	.5	1.3	5.1	5.1
22	94.0	.2	.5	.7	2.7	3.0	4.2

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 2	3	6	12	24
1	46.3	13.6	18.1	16.6	49.7	63.8	39.6
4	54.4	17.5	53.6	52.6	59.8	67.5	35.6
7	34.0	17.8	34.2	44.5	52.7	62.3	52.1
10	29.3	26.2	37.3	41.3	53.2	43.7	51.2
13	25.3	18.3	30.3	36.7	49.5	32.1	50.5
16	23.3	16.0	26.0	33.0	24.0	26.0	48.0
19	20.9	3.3	7.8	13.3	16.7	45.6	53.3
22	39.1	10.1	15.7	20.2	22.0	57.1	46.4

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	69.5	5.0	5.0	8.0	22.7	39.1	24.9
4	79.3	7.0	21.5	25.8	32.6	49.6	19.5
7	65.6	11.3	18.4	26.2	35.8	52.5	29.2
10	60.2	13.1	17.4	25.1	40.5	33.6	28.8
13	54.0	14.2	24.1	28.7	43.1	22.1	36.4
16	44.7	12.5	24.5	29.2	18.2	14.6	31.8
19	38.6	5.4	6.0	7.2	12.7	19.3	36.7
22	57.7	6.0	9.8	12.9	11.3	28.6	29.4

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	1.2	1.4	2.8	2.6	1.6	.9
4	97.0	1.1	3.8	2.4	.5	3.8	2.4
7	97.2	.0	.0	.2	1.4	1.4	2.2
10	99.5	.9	.7	1.4	3.5	.5	.5
13	98.4	2.4	4.0	3.5	1.4	1.0	1.7
16	96.3	2.9	1.7	.7	.2	2.9	3.4
19	98.6	.5	.5	.2	1.0	2.4	1.4
22	99.5	.7	.5	.9	2.8	.5	.5

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	.7	.7	1.2	1.2	15.4	1.9
4	98.8	1.2	1.9	.7	4.0	20.7	1.2
7	98.8	.2	.7	4.2	15.5	8.5	1.4
10	95.8	4.1	8.7	13.6	20.4	2.7	3.4
13	84.7	9.4	16.8	17.6	8.0	1.9	13.6
16	79.5	5.8	7.6	5.0	2.3	.9	14.2
19	91.6	1.5	1.8	1.5	1.3	1.3	7.9
22	97.4	1.0	2.2	1.7	1.2	4.3	2.7

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.7	.2	.5	1.0	5.5	2.2
4	98.8	.9	.5	.9	1.9	12.0	1.0
7	98.6	.9	.9	1.7	5.7	7.1	1.2
10	98.1	3.1	3.8	5.2	12.3	1.9	2.1
13	94.4	5.4	9.1	10.8	6.7	2.0	5.7
16	87.7	5.3	5.6	4.0	1.6	.5	10.4
19	93.0	3.5	1.0	.8	2.0	1.3	5.8
22	97.9	1.2	1.7	1.9	1.0	2.2	2.2

SEPTEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	67.7	91.8	89.3	82.6	90.7	93.2	95.0	94.7	91.1	86.1	76.8
4	62.9	90.0	91.3	92.3	94.6	95.8	93.9	89.7	83.9	77.4	74.3
7	78.3	93.5	95.1	94.5	93.5	92.3	88.0	80.0	73.7	68.4	82.2
10	84.8	96.6	96.0	94.3	92.0	87.8	81.0	73.8	66.6	81.6	89.0
13	87.5	97.8	95.9	94.5	89.8	81.3	73.5	67.9	82.1	89.7	91.9
16	85.3	94.9	92.9	92.1	83.6	75.4	69.1	83.1	89.4	92.0	88.5
19	82.4	93.9	90.6	87.4	78.3	71.2	84.0	91.1	93.5	90.5	86.4
22	74.7	91.9	88.2	84.3	76.1	87.9	93.1	95.4	93.8	90.5	83.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	32.3	20.9	17.9	21.6	52.2	67.2	71.6	65.7	64.2	50.7	52.2
4	37.1	16.9	50.0	54.5	68.2	73.4	70.8	70.1	59.1	54.2	45.1
7	21.7	21.1	38.2	50.0	65.6	60.0	62.2	55.6	51.1	45.6	67.8
10	15.2	25.4	38.1	49.2	47.6	52.4	39.7	41.3	46.0	65.1	66.7
13	12.5	15.4	19.2	21.2	30.8	28.8	36.5	32.7	57.7	57.7	59.6
16	14.7	14.8	27.9	26.2	23.0	31.1	31.1	55.7	63.9	63.9	68.9
19	17.6	6.8	6.8	15.1	24.7	27.4	56.2	60.3	61.6	63.0	67.1
22	25.3	16.2	21.0	23.8	26.7	53.3	63.8	65.7	61.9	61.0	52.4

SEPTEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	14.7	77.0	63.9	54.1	54.1	80.3	45.8
4	10.4	83.7	69.8	67.4	79.1	79.1	38.5
7	11.6	89.6	93.8	87.5	89.6	68.8	46.7
10	28.4	89.8	87.3	83.9	72.0	39.8	55.3
13	43.4	82.8	72.8	63.9	42.2	27.8	67.0
16	35.4	70.5	57.8	50.3	42.2	21.8	54.2
19	22.7	73.4	73.4	68.1	47.8	38.9	43.3
22	20.0	75.9	67.1	62.0	40.5	72.2	49.4

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	20.2	97.6	90.5	88.1	81.0	69.0	52.4
4	20.7	97.7	93.0	93.0	80.2	70.9	54.7
7	23.4	94.8	87.6	84.5	77.3	64.9	52.6
10	20.0	95.2	92.8	90.4	81.9	72.3	49.4
13	20.5	89.4	83.5	84.7	77.6	65.1	49.4
16	20.2	92.9	91.7	91.7	85.7	67.1	47.6
19	21.9	95.6	90.1	89.0	75.3	65.2	46.1
22	20.5	94.1	86.7	85.5	78.3	62.7	49.4

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	57.1	86.5	85.2	76.4	84.4	90.7	67.2
4	52.3	84.8	91.2	89.4	92.2	89.4	66.4
7	69.4	92.0	91.7	91.0	89.9	81.6	74.6
10	76.1	94.6	92.1	90.8	85.8	70.9	80.1
13	79.0	94.2	92.4	88.4	83.5	63.8	83.6
16	75.7	93.3	92.0	88.9	74.2	59.5	79.3
19	74.0	90.6	83.4	79.5	70.5	76.8	80.1
22	62.2	88.4	85.8	79.1	71.9	86.6	74.7

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	38.8	78.9	69.6	65.8	70.8	76.4	56.3
4	31.8	81.1	83.3	84.8	80.3	84.8	45.0
7	43.9	91.2	83.5	82.4	78.6	74.2	55.3
10	49.4	89.3	84.4	81.0	82.0	65.4	57.7
13	54.2	88.4	86.[illegible]	83.6	60.0	54.5	68.6
16	58.6	94.6	90.[illegible]	86.0	66.7	45.4	69.7
19	58.8	85.2	78.7	74.2	57.7	60.3	72.8
22	46.0	85.9	77.7	71.3	57.4	70.7	65.4

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	75.0	62.5	50.0	37.5	12.5	.0
4	3.6	60.0	53.3	33.3	20.0	20.0	15.4
7	6.0	60.0	40.0	24.0	24.0	12.0	28.0
10	2.7	81.8	63.6	45.5	27.3	18.2	10.0
13	2.9	83.3	58.3	58.3	41.7	22.2	11.1
16	4.6	66.7	42.1	31.6	26.3	18.8	18.8
19	2.7	45.5	36.4	36.4	11.1	33.3	33.3
22	2.9	50.0	30.0	20.0	40.0	10.0	20.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	50.0	16.7	8.3	8.3	8.3	.0
4	1.4	83.3	16.7	33.3	16.7	16.7	.0
7	2.2	44.4	33.3	22.2	.0	.0	11.1
10	3.4	57.1	7.1	.0	7.1	.0	21.4
13	6.3	84.6	50.0	26.9	11.5	.0	11.5
16	9.6	74.4	60.0	37.5	15.0	.0	35.0
19	8.2	55.9	35.3	26.5	14.7	2.9	23.5
22	3.4	57.1	50.0	28.6	.0	.0	7.1

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	60.0	20.0	35.0	20.0	30.0	15.0
4	6.3	69.2	34.6	23.1	30.8	19.2	8.7
7	4.6	84.2	68.4	73.7	57.9	36.8	11.8
10	6.5	66.7	66.7	48.1	40.7	18.5	16.7
13	9.9	51.2	39.0	36.6	29.3	15.4	20.5
16	11.8	47.9	36.7	32.7	18.4	19.1	19.1
19	9.2	57.9	47.4	31.6	8.3	19.4	19.4
22	8.0	63.6	38.7	32.3	25.8	16.1	12.9

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

SEPTEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	85.3	3.7	3.4	2.8	4.2	57.0	9.4
4	89.6	3.8	5.1	5.1	22.6	30.4	7.0
7	88.4	8.2	14.8	20.7	37.3	16.6	7.7
10	71.6	11.1	18.5	27.3	20.9	12.1	18.9
13	56.6	9.8	14.0	13.6	7.7	4.7	25.6
16	64.6	5.6	7.1	7.5	7.8	3.7	27.2
19	77.3	6.2	8.1	5.9	5.3	4.4	17.2
22	80.0	2.1	2.1	3.3	2.7	18.7	13.6

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	79.8	.6	1.8	3.6	6.8	8.2	13.5
4	79.3	1.8	3.3	5.2	4.3	7.0	12.7
7	76.6	.3	.3	.3	3.1	8.9	15.7
10	80.0	.3	1.8	3.0	4.8	7.5	14.1
13	79.5	1.8	2.7	3.6	7.6	10.4	14.7
16	79.8	1.2	2.4	4.2	3.9	10.1	14.6
19	78.1	.3	.3	1.2	6.5	13.1	16.5
22	79.5	.9	3.7	5.2	7.0	10.7	14.7

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	42.9	15.7	19.7	20.2	49.4	63.5	44.4
4	47.7	14.6	42.4	47.5	58.6	60.6	37.2
7	30.6	18.1	34.1	42.5	54.3	56.7	56.7
10	23.9	20.2	42.4	41.4	43.4	34.3	64.6
13	21.0	19.5	27.6	27.6	37.9	33.3	60.9
16	24.3	17.8	31.7	27.7	24.8	30.7	63.4
19	26.0	7.4	6.5	13.0	20.4	47.2	56.5
22	37.8	14.6	19.1	22.3	21.0	59.9	42.7

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	61.2	5.5	9.1	10.2	26.8	40.2	27.0
4	68.2	6.4	18.7	24.7	35.0	46.3	24.9
7	55.1	13.7	18.1	23.6	35.2	46.8	32.5
10	50.6	10.0	19.0	28.1	35.7	27.1	42.1
13	45.8	10.5	22.6	28.9	33.7	19.5	37.9
16	41.4	10.5	18.6	20.3	16.9	11.6	43.6
19	41.2	5.8	8.2	5.8	11.1	17.5	39.2
22	54.0	5.4	8.6	10.4	9.0	32.0	28.8

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	2.0	.5	2.7	5.4	2.7	2.0
4	96.4	3.2	6.0	5.0	2.0	4.0	3.0
7	94.0	1.3	2.1	1.3	1.5	2.1	4.4
10	97.3	1.2	1.0	1.7	4.0	2.5	2.2
13	97.1	3.0	1.7	3.0	1.5	1.5	2.5
16	95.4	1.3	2.0	1.3	1.8	2.8	3.8
19	97.3	1.2	1.2	2.0	1.7	5.2	2.2
22	97.1	1.0	.5	1.5	2.5	2.2	2.2

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	.5	.7	1.2	2.0	6.2	3.0
4	98.6	1.2	1.2	1.7	3.2	9.5	1.5
7	97.8	.7	3.0	3.0	6.4	8.4	1.7
10	96.6	1.2	4.5	6.5	9.7	3.5	2.8
13	93.7	4.9	6.7	8.5	8.0	3.1	5.7
16	93.4	1.6	3.7	5.1	2.1	1.6	7.6
19	91.8	1.6	1.6	1.3	1.9	1.9	7.4
22	96.6	.7	1.5	2.0	1.5	3.5	3.3

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	4.6	3.5	4.8	3.8	8.9	4.6
4	93.7	3.9	3.3	3.3	4.9	11.3	5.9
7	95.4	1.8	4.6	3.3	7.6	7.8	3.8
10	93.5	3.9	3.9	7.2	9.8	7.2	5.4
13	90.1	5.6	4.5	9.1	7.0	4.0	8.6
16	88.2	4.9	6.2	6.0	6.6	4.4	11.0
19	90.8	3.4	4.8	5.6	4.8	2.7	8.3
22	92.0	3.1	2.4	2.9	4.5	5.3	7.4

OCTOBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	74.8	93.6	91.3	91.0	91.6	94.4	95.6	91.9	88.8	82.2	77.9
4	77.4	93.1	92.8	93.7	92.8	94.6	90.9	88.0	82.2	77.7	81.3
7	83.9	93.9	93.1	92.8	94.4	90.8	88.1	82.5	78.3	82.3	86.2
10	86.7	97.8	96.8	97.0	92.7	87.9	80.9	76.9	79.6	84.8	89.1
13	91.4	96.7	95.7	92.1	88.0	80.4	76.8	79.6	84.5	88.9	91.8
16	86.9	96.5	92.5	90.3	83.1	79.9	82.3	85.1	90.2	92.7	88.3
19	83.2	93.0	90.2	88.5	83.0	84.4	87.0	89.8	93.2	89.0	85.6
22	76.9	93.9	92.9	88.9	86.8	89.2	92.6	94.5	91.7	87.1	81.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	25.2	24.1	33.3	37.0	61.1	63.9	78.7	72.0	66.7	61.1	64.5
4	22.6	25.8	39.2	50.5	66.0	80.4	73.2	67.0	58.8	63.9	67.0
7	16.1	23.2	46.4	55.1	75.4	66.7	58.0	47.8	55.1	56.5	72.5
10	13.3	24.6	35.7	54.4	49.1	52.6	50.9	58.9	67.9	78.6	76.8
13	8.6	18.9	24.3	32.4	32.4	40.5	50.0	61.1	77.8	72.2	86.1
16	13.1	16.1	26.8	37.5	37.5	40.0	49.1	76.4	69.1	81.8	75.9
19	16.8	13.9	19.4	19.4	32.4	46.5	69.0	76.1	81.7	75.7	70.4
22	23.1	15.2	24.2	27.3	49.5	66.7	70.7	80.8	70.4	69.7	57.6

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

OCTOBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	24.2	73.1	68.3	70.2	69.2	77.9	51.0
4	22.4	87.5	83.3	86.5	87.5	79.2	52.1
7	27.5	87.3	93.2	89.0	69.8	60.2	50.0
10	46.4	86.4	89.9	83.9	75.8	45.2	61.7
13	53.1	89.9	83.8	74.9	46.1	38.5	62.8
16	45.6	76.9	55.4	54.4	51.3	41.4	58.6
19	28.2	86.0	77.7	76.9	67.2	59.7	43.7
22	27.7	82.4	69.8	73.3	65.5	77.6	51.7

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	37.3	93.1	91.9	90.6	86.9	77.5	59.7
4	38.7	96.4	94.6	93.4	84.9	73.5	64.2
7	43.4	95.2	89.8	87.1	79.0	72.6	61.6
10	40.1	97.1	93.0	90.1	82.0	73.3	62.6
13	38.2	97.6	93.9	90.9	86.6	76.7	68.1
16	38.6	97.6	96.4	95.2	88.5	76.8	65.2
19	42.2	94.5	89.0	86.2	76.1	73.3	62.3
22	37.8	95.1	91.9	87.6	83.9	74.5	60.9

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	51.5	88.2	85.5	83.3	84.2	82.8	63.0
4	55.9	83.7	84.6	85.4	80.0	80.8	64.8
7	64.1	88.7	85.8	84.0	84.0	80.0	73.8
10	62.9	93.3	90.7	89.6	83.3	64.8	71.4
13	68.1	91.4	89.7	82.8	80.8	64.6	76.4
16	64.0	93.8	90.1	85.0	69.7	69.3	74.8
19	63.4	85.3	77.9	75.0	66.8	76.9	73.1
22	54.5	85.9	80.4	74.8	75.2	78.3	66.1

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	37.5	81.4	77.6	73.3	70.2	70.2	50.9
4	37.8	81.5	77.2	76.5	71.6	68.3	49.4
7	47.1	87.1	78.7	76.2	72.8	69.3	61.6
10	46.2	87.4	84.3	79.3	77.8	55.6	58.8
13	47.1	92.6	84.7	82.6	78.7	54.5	59.1
16	48.4	92.3	87.9	82.1	59.9	53.7	63.1
19	48.0	85.4	70.4	65.5	61.4	66.3	60.9
22	38.7	83.1	72.2	66.0	66.0	67.9	54.9

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.5	60.0	53.3	33.3	40.0	.0	7.1
4	4.2	72.2	66.7	38.9	5.6	11.1	11.1
7	5.4	52.2	30.4	34.8	13.0	8.7	18.2
10	3.0	53.8	46.2	23.1	30.8	7.7	16.7
13	1.6	57.1	42.9	42.9	28.6	16.7	.0
16	2.6	54.5	45.5	27.3	9.1	20.0	10.0
19	1.9	75.0	62.5	25.0	28.6	14.3	.0
22	1.2	60.0	40.0	80.0	20.0	40.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	60.0	20.0	.0	20.0	.0	.0
4	.9	25.0	.0	.0	.0	25.0	.0
7	.7	66.7	33.3	.0	33.3	33.3	.0
10	.7	66.7	100.0	33.3	33.3	33.3	.0
13	2.6	45.5	45.5	36.4	18.2	9.1	.0
16	2.6	54.5	45.5	36.4	9.1	.0	0
19	3.3	57.1	7.1	.0	7.1	.0	7.1
22	.5	100.0	50.0	50.0	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.8	24.0	28.0	20.0	28.0	12.0	4.2
4	4.9	47.6	38.1	33.3	23.8	42.9	9.5
7	5.1	54.5	63.6	50.0	22.7	31.8	4.8
10	5.6	41.7	29.2	25.0	45.8	12.5	13.0
13	5.6	54.2	62.5	45.8	25.0	16.7	4.2
16	8.9	65.8	42.1	31.6	23.7	16.7	16.7
19	7.0	60.0	40.0	23.3	33.3	11.1	18.5
22	5.1	59.1	42.9	52.4	23.8	28.6	9.5

OCTOBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	75.8	6.2	5.8	7.1	14.2	45.2	15.8
4	77.6	6.6	7.2	10.5	34.5	35.8	14.5
7	72.5	10.9	24.1	30.2	39.2	16.1	18.8
10	53.6	17.0	21.4	26.5	19.6	12.6	34.2
13	46.9	10.9	11.9	12.4	8.0	8.1	42.9
16	54.4	6.9	7.3	6.4	8.2	7.3	34.2
19	71.8	8.4	8.4	8.4	7.5	14.8	21.3
22	72.3	5.2	4.5	5.8	6.8	35.4	18.5

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	62.7	1.1	3.3	7.8	17.5	14.9	24.9
4	61.3	4.2	6.1	11.8	11.8	16.4	23.9
7	56.6	1.6	2.5	4.1	7.0	18.9	30.5
10	59.9	1.5	2.7	3.5	9.4	14.0	26.1
13	61.8	.8	2.3	6.1	14.7	13.8	21.1
16	61.4	3.8	4.9	9.1	6.1	16.2	22.5
19	57.8	1.2	2.0	2.4	9.8	22.5	28.7
22	62.2	.7	2.3	7.6	12.5	20.2	24.0

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	48.5	18.3	23.6	26.9	42.8	52.4	39.0
4	44.1	15.3	28.0	37.0	41.3	42.9	45.2
7	35.9	14.3	17.5	25.3	39.6	33.8	47.1
10	37.1	15.1	22.2	31.4	31.4	37.1	48.7
13	31.9	10.2	20.4	24.1	26.3	23.5	47.8
16	36.0	18.8	28.6	25.3	27.9	32.7	44.1
19	36.6	12.1	18.5	19.1	25.0	42.3	44.9
22	45.5	14.4	20.6	23.7	33.5	44.8	38.1

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	62.5	9.7	16.4	16.4	33.2	33.2	30.2
4	62.2	9.0	21.0	29.2	30.7	36.3	30.7
7	52.9	9.7	15.4	19.4	24.2	29.1	35.8
10	53.8	11.3	16.1	19.5	23.0	24.2	35.2
13	52.9	8.8	13.2	18.1	20.7	23.5	35.0
16	51.6	11.8	15.4	16.3	19.0	22.7	33.8
19	52.0	6.5	12.6	13.9	16.7	31.1	35.6
22	61.3	7.2	13.4	20.6	20.2	32.4	27.1

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.5	2.7	2.4	3.1	4.1	1.7	3.7
4	95.8	2.9	2.2	3.9	2.9	2.2	4.4
7	94.6	1.5	1.2	1.2	1.0	1.5	5.2
10	97.0	.2	.2	1.0	1.7	1.0	2.7
13	98.4	1.7	1.9	1.9	1.4	3.6	1.7
16	97.4	1.9	1.9	1.2	1.0	4.4	2.4
19	98.1	1.0	.7	.7	3.4	5.8	1.7
22	98.8	.5	1.2	2.9	4.5	2.6	1.4

CRITERIA SIX THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.2	1.7	.9	.5	2.6	1.2
4	99.1	.2	.5	.7	.7	2.4	1.0
7	99.3	.0	.5	.7	2.3	3.1	.7
10	99.3	1.4	1.9	2.3	2.4	.2	.7
13	97.4	1.2	1.9	1.7	2.9	1.0	2.4
16	97.4	1.7	2.6	2.4	.2	1.0	2.2
19	96.7	.2	.5	.5	1.0	.7	2.4
22	99.5	.5	.5	.9	.9	.7	.5

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.2	2.5	3.5	4.0	3.7	5.2	6.3
4	95.1	2.2	3.2	3.7	4.7	7.1	4.7
7	94.9	2.7	3.2	3.2	4.7	5.7	5.2
10	94.4	2.7	3.2	4.4	6.7	4.7	5.2
13	94.4	4.0	4.0	6.7	5.9	5.5	5.7
16	91.1	3.1	4.6	4.6	3.3	3.9	7.8
19	93.0	4.3	2.0	3.8	4.3	4.8	5.8
22	94.9	2.7	2.5	3.7	4.0	4.5	5.0

NOVEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	72.9	93.8	89.5	86.9	90.5	89.9	93.5	89.5	85.3	77.1	79.4
4	76.0	95.0	92.8	95.0	89.6	92.8	85.9	82.1	74.3	77.7	78.7
7	85.7	92.8	90.8	90.5	93.0	85.5	81.1	72.7	77.2	78.8	86.6
10	83.8	97.4	95.4	95.2	88.9	82.3	75.5	79.2	80.3	88.3	87.5
13	89.3	95.2	92.8	88.5	81.3	75.5	78.4	80.0	88.2	86.6	91.5
16	82.9	93.1	91.1	87.9	80.5	73.6	81.9	88.5	87.6	92.5	85.1
19	77.9	94.2	89.0	86.5	82.6	80.7	88.3	87.8	91.1	86.5	81.0
22	71.2	94.6	91.6	89.0	85.6	90.3	91.0	93.0	88.6	82.9	74.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	27.1	21.1	36.0	46.5	72.8	67.3	78.1	64.9	57.9	55.3	57.9
4	24.0	18.8	30.1	56.4	65.3	78.2	73.3	64.4	61.4	60.4	68.3
7	14.3	11.7	40.0	45.0	68.3	68.3	60.0	63.3	53.3	61.7	83.3
10	16.2	32.4	42.6	58.8	51.5	55.9	50.0	45.6	54.4	75.0	65.7
13	10.7	31.1	33.3	35.6	48.9	35.6	33.3	44.4	68.9	60.0	71.1
16	17.1	18.1	34.7	29.2	26.4	44.4	48.6	75.0	64.8	73.6	73.6
19	22.1	12.9	14.0	17.2	41.9	60.2	78.5	69.6	82.8	71.0	67.7
22	28.8	19.8	31.9	35.5	52.9	76.0	65.8	80.2	69.4	66.1	64.5

NOVEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	22.1	84.9	81.7	72.0	71.0	80.6	48.4
4	21.7	76.9	75.8	70.3	87.8	70.3	46.2
7	22.4	89.4	89.4	90.4	89.4	53.2	46.8
10	44.6	89.3	86.0	82.9	59.4	38.0	59.9
13	49.0	81.6	75.7	61.7	37.4	39.3	63.1
16	35.0	67.3	53.1	49.0	49.0	45.6	46.3
19	20.5	86.0	74.1	79.1	69.8	55.8	38.4
22	22.9	82.3	75.8	70.8	60.4	81.3	35.4

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	37.6	95.6	93.0	89.9	86.0	72.8	58.9
4	37.1	96.2	96.2	96.1	82.7	73.7	57.7
7	42.7	91.6	86.0	79.9	75.4	74.9	57.3
10	36.0	98.0	96.0	93.4	86.9	78.1	55.6
13	37.5	97.5	93.7	91.1	89.9	75.9	55.1
16	37.4	98.7	98.7	97.5	87.3	71.3	56.7
19	43.3	93.4	88.4	81.3	76.4	66.9	57.7
22	36.2	96.7	93.4	90.8	82.2	67.1	58.6

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	48.8	85.9	80.5	73.7	75.6	71.7	56.6
4	49.5	84.6	79.3	84.6	71.2	70.7	55.3
7	62.3	87.4	80.5	79.2	78.5	64.0	69.3
10	56.7	91.1	89.0	87.0	79.3	56.9	66.3
13	60.7	91.8	85.9	85.1	72.2	60.8	67.5
16	61.2	91.1	84.4	77.8	62.6	61.1	67.7
19	53.8	85.4	78.2	73.5	66.8	73.5	60.6
22	45.7	88.5	81.3	78.6	68.8	71.4	51.6

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	36.0	80.1	73.5	67.5	69.2	60.6	47.0
4	35.5	84.6	78.5	75.8	65.8	61.7	42.3
7	43.0	86.7	79.4	74.3	70.6	52.8	52.8
10	41.3	86.1	80.9	79.8	69.9	48.6	53.2
13	43.6	86.9	79.8	76.0	64.5	51.1	50.6
16	42.1	90.4	80.8	77.4	59.9	53.7	50.8
19	40.5	86.5	75.9	68.8	59.4	57.1	51.8
22	34.3	81.3	76.4	71.5	61.8	57.6	41.7

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	60.0	52.0	48.0	32.0	4.0	16.0
4	9.5	85.0	67.5	52.5	10.0	7.5	20.0
7	13.1	47.3	27.3	14.5	1.8	5.5	20.0
10	2.6	63.6	18.2	18.2	27.3	9.1	9.1
13	1.4	50.0	66.7	16.7	16.7	16.7	.0
16	1.4	100.0	66.7	66.7	.0	33.3	16.7
19	1.7	57.1	42.9	.0	42.9	28.6	14.3
22	2.1	66.7	66.7	55.6	44.4	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	50.0	100.0	50.0	.0	.0
4	.5	50.0	50.0	50.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.5	50.0	50.0	50.0	50.0	.0	.0
16	.7	100.0	66.7	66.7	66.7	.0	.0
19	.5	100.0	100.0	100.0	.0	.0	.0
22	.7	100.0	33.3	33.3	33.3	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.5	69.6	47.6	39.1	13.0	13.0	8.7
4	4.0	41.2	23.5	11.8	17.6	11.8	5.9
7	4.1	41.2	17.6	5.9	11.8	17.6	5.9
10	4.1	29.4	35.3	23.5	23.5	5.9	.0
13	2.4	40.0	50.0	40.0	40.0	10.0	.0
16	2.9	75.0	75.0	66.7	16.7	16.7	16.7
19	4.5	47.4	31.6	21.1	15.8	10.5	10.5
22	2.9	66.7	25.0	33.3	16.7	16.7	.0

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

NOVEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROB. BILITIES 1	2	3	6	12	24
1	77.9	2.8	4.9	7.3	8.6	40.1	15.6
4	78.3	7.3	8.8	9.1	32.8	25.2	16.1
7	77.6	9.2	22.5	31.5	37.5	11.1	16.0
10	55.4	12.9	18.2	21.6	15.1	10.8	34.2
13	51.0	11.2	12.6	9.3	4.2	7.0	36.0
16	65.0	4.8	3.7	5.1	8.8	10.3	30.0
19	79.5	5.7	7.2	8.4	10.8	14.4	16.8
22	77.1	6.2	9.6	8.6	11.4	35.0	19.4

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	62.4	1.5	3.4	5.3	16.8	16.4	26.6
4	62.9	3.0	6.4	11.4	8.4	15.9	25.4
7	57.3	.8	1.7	3.3	9.6	20.0	32.5
10	64.0	2.6	5.2	6.3	9.7	12.7	24.7
13	62.4	2.7	4.6	5.0	15.3	15.6	26.3
16	62.2	2.7	6.1	11.0	5.7	17.1	26.2
19	56.7	.8	1.3	1.7	9.2	24.8	31.9
22	63.8	3.7	4.9	8.6	11.9	18.0	23.1

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	51.2	14.0	24.2	26.5	49.5	50.2	40.5
4	50.5	10.8	20.8	40.3	46.4	51.9	42.9
7	37.7	11.4	22.2	25.3	31.6	37.3	51.0
10	41.3	12.1	16.3	23.1	35.8	30.1	46.5
13	39.3	12.1	19.4	24.2	25.5	29.1	49.7
16	38.8	12.9	23.3	16.0	19.0	30.1	50.9
19	46.2	10.8	13.4	13.4	26.8	49.7	46.9
22	54.3	11.4	22.7	22.8	32.5	46.7	41.7

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	64.0	8.9	13.8	17.5	28.7	34.2	29.4
4	64.5	7.0	15.5	24.8	27.8	31.4	31.4
7	57.0	9.2	19.2	16.7	23.4	31.4	34.5
10	58.7	10.6	13.9	18.3	22.8	24.4	33.1
13	56.4	7.2	11.4	16.0	21.9	23.6	38.0
16	57.9	8.6	13.6	13.6	15.6	21.8	35.4
19	59.5	7.2	12.0	10.8	19.6	32.5	32.8
22	65.7	7.6	14.3	17.0	21.4	32.7	31.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	2.3	5.6	7.1	11.9	1.3	5.3
4	90.5	2.6	3.9	9.0	1.8	.8	8.2
7	86.9	1.4	1.6	.8	1.4	1.1	12.1
10	97.4	.2	.7	1.0	.7	2.0	2.5
13	98.6	1.2	1.2	1.2	1.4	5.8	1.4
16	98.6	1.0	1.4	.7	2.2	8.9	1.4
19	98.3	.5	1.0	2.2	5.3	12.9	1.7
22	97.9	.7	2.2	4.9	8.5	2.7	2.2

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.0	.5	.5
4	99.5	.0	.0	.0	.0	.7	.5
7	99.8	.0	.0	.0	.5	.5	.2
10	100.0	.0	.2	.5	.7	.7	.0
13	99.5	.2	.2	.5	.2	.5	.5
16	99.3	.2	.5	.0	.2	.5	.7
19	99.5	.0	.2	.2	.5	.2	.5
22	99.3	.0	.2	.2	.2	.0	.7

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.5	2.0	3.0	2.0	3.5	1.8	4.8
4	96.0	2.7	2.7	3.7	3.5	2.5	4.0
7	95.9	3.5	2.2	4.0	2.0	4.0	4.0
10	95.9	.7	1.3	1.5	2.0	2.7	4.5
13	97.6	2.7	3.4	2.0	3.7	4.9	2.4
16	97.1	2.7	3.7	2.7	2.5	3.7	2.7
19	95.5	1.5	1.0	2.0	4.5	3.8	4.5
22	97.1	2.9	3.0	4.2	3.7	3.9	3.2

DECEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	74.4	95.0	91.3	88.9	92.6	90.7	92.9	88.5	83.0	80.2	78.3
4	75.6	94.8	92.4	93.6	89.6	92.1	87.2	82.3	79.9	76.8	78.4
7	87.5	94.2	91.8	91.3	92.3	86.8	82.6	77.3	75.5	77.8	68.9
10	84.3	97.8	97.0	95.4	90.2	85.0	79.8	77.9	78.4	89.9	89.5
13	88.2	96.3	93.2	89.0	83.0	78.6	76.0	76.5	89.0	86.9	89.8
16	82.9	95.6	90.8	89.4	85.3	80.8	79.7	89.4	87.5	90.0	85.6
19	78.1	94.7	90.6	88.2	83.5	82.6	90.9	90.0	92.0	86.1	82.6
22	75.3	92.4	89.3	88.1	84.7	90.8	88.1	91.1	85.9	83.8	80.1

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	25.6	22.5	31.5	36.9	72.7	65.8	74.8	66.7	64.0	61.3	58.6
4	24.4	22.6	38.7	68.6	67.9	76.4	69.8	65.1	61.3	62.3	61.3
7	12.5	5.6	20.4	37.0	61.1	55.6	48.1	63.0	57.4	50.0	71.7
10	15.7	29.4	32.4	50.0	44.1	41.2	51.5	48.5	51.5	69.7	58.9
13	11.8	28.0	37.3	37.3	41.2	51.0	52.9	56.9	69.6	60.8	74.5
16	17.1	14.9	20.3	23.0	27.0	36.5	47.3	72.6	66.2	78.4	70.3
19	21.9	11.6	16.8	29.5	36.8	44.2	71.3	62.1	73.7	71.6	63.2
22	24.7	15.0	23.6	28.0	42.1	73.6	71.0	78.5	73.8	61.7	61.7

DECEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	19.8	82.6	75.6	76.7	59.3	87.2	30.2
4	21.2	78.3	70.3	71.7	85.9	72.8	29.3
7	19.6	87.1	89.4	90.6	94.1	37.6	36.5
10	41.2	89.4	87.2	83.8	67.0	36.9	53.6
13	51.2	86.5	77.9	66.7	29.3	28.8	56.3
16	37.3	64.2	62.6	38.3	40.7	33.3	43.8
19	17.3	89.3	81.3	78.7	65.3	53.3	26.7
22	19.1	80.7	71.1	71.1	59.0	78.3	32.5

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	40.1	96.0	92.0	89.1	86.8	74.7	55.7
4	41.5	97.2	96.1	96.1	82.8	69.4	57.2
7	49.7	92.6	87.9	81.4	74.9	69.8	63.3
10	41.5	95.0	91.7	90.0	81.7	72.8	61.1
13	41.9	95.6	91.2	87.4	85.7	69.8	63.2
16	42.2	97.3	96.7	95.6	85.8	68.9	59.6
19	46.1	94.5	87.5	85.0	73.5	72.0	59.1
22	41.0	94.4	88.2	86.0	78.7	71.3	61.8

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	48.6	89.1	79.1	69.7	78.2	71.1	58.3
4	46.3	84.6	82.6	87.1	76.6	70.6	55.2
7	64.0	87.4	85.2	81.6	78.0	67.5	68.2
10	56.1	91.3	87.3	84.5	79.4	62.7	66.7
13	60.4	93.5	88.5	83.6	74.4	58.4	66.8
16	59.2	94.6	87.5	82.1	72.0	57.6	65.[illegible]
19	54.1	88.1	81.7	77.4	69.8	77.[illegible]	63.8
22	50.0	86.2	83.4	77.0	65.0	71.[illegible]	60.8

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	35.7	82.6	73.5	63.9	67.1	65.2	52.9
4	32.7	83.1	76.8	74.6	69.0	59.2	45.1
7	44.8	83.3	78.9	75.3	69.1	57.2	53.6
10	43.5	84.1	81.5	81.5	68.3	51.9	51.9
13	46.5	83.7	77.2	74.3	63.4	47.5	52.5
16	44.2	90.1	80.7	73.4	64.6	46.9	50.5
19	39.9	81.5	76.3	72.8	63.6	63.6	50.9
22	37.8	82.9	73.8	68.9	53.0	58.5	48.8

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.8	67.6	64.7	64.7	52.9	2.9	17.6
4	10.1	70.5	63.6	70.5	22.7	6.8	34.1
7	14.8	68.8	40.6	25.0	1.6	3.1	43.8
10	6.5	64.3	35.7	10.7	10.7	14.3	7.1
13	2.1	66.7	66.7	44.4	22.2	33.3	11.1
16	3.7	87.5	81.3	25.0	25.0	25.0	.0
19	1.6	71.4	71.4	85.7	57.1	42.9	14.3
22	4.1	77.8	55.6	61.1	44.4	16.7	11.1

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	.0	.0	.0	.0	.0	.0
13	.5	100.0	100.0	50.0	50.0	.0	50.0
16	.7	33.3	.0	66.7	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	57.1	66.7	52.4	23.8	19.0	19.0
4	5.1	40.9	40.9	27.3	45.5	22.7	13.6
7	3.9	41.2	41.2	47.1	29.4	35.3	5.9
10	5.3	60.9	43.5	34.8	39.1	13.0	17.4
13	4.1	66.7	50.0	50.0	22.2	16.7	5.6
16	5.8	68.0	48.0	36.0	24.0	24.0	8.0
19	3.0	61.5	53.8	23.1	30.8	7.7	7.7
22	4.4	57.9	52.6	47.4	42.1	26.3	10.5

DECEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	80.2	3.7	4.6	7.5	9.8	42.2	17.0
4	78.8	3.5	3.5	5.6	29.2	27.8	17.5
7	80.4	6.0	16.1	29.3	40.8	12.4	15.6
10	58.8	20.8	20.8	28.2	16.5	6.7	30.6
13	48.8	10.0	14.2	6.6	4.7	9.9	44.8
16	62.7	3.7	4.4	4.8	6.3	12.1	32.4
19	82.7	5.0	6.7	6.7	10.0	12.6	15.3
22	80.9	3.4	5.7	7.4	10.8	31.1	16.2

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	59.9	3.1	8.1	9.6	24.7	20.0	27.7
4	58.5	3.9	9.5	16.6	12.2	22.8	29.1
7	50.3	1.4	.9	2.3	9.6	22.9	35.0
10	58.5	.8	4.7	7.9	14.2	18.5	27.2
13	58.1	3.2	5.2	9.5	17.5	16.7	26.2
16	57.8	2.4	6.4	10.0	8.4	20.3	29.5
19	53.9	.9	.9	3.4	9.4	29.2	35.0
22	59.0	2.3	4.3	6.3	14.5	20.3	27.0

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	51.4	14.3	19.3	24.2	50.5	50.2	39.5
4	53.7	15.9	23.3	44.0	42.1	49.4	38.2
7	36.0	7.1	12.2	16.7	29.5	30.8	54.8
10	41.9	18.7	23.6	26.9	31.3	32.4	47.3
13	39.6	14.0	17.4	22.1	23.3	33.7	50.6
16	40.8	14.7	16.9	13.6	18.1	29.4	50.3
19	45.9	11.1	15.1	17.6	23.6	46.5	43.7
22	50.0	10.6	17.6	20.3	27.2	45.2	39.2

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	64.3	9.0	12.2	15.4	32.4	36.2	26.3
4	67.3	7.9	16.5	30.2	31.2	37.0	27.1
7	55.2	11.7	13.0	18.0	29.5	25.9	39.1
10	56.5	8.6	15.5	19.6	25.7	26.9	38.0
13	53.5	7.8	14.2	18.1	19.4	25.4	41.8
16	55.8	11.2	10.7	13.2	16.5	21.9	39.3
19	60.1	7.7	11.9	14.6	17.2	33.5	33.0
22	62.2	6.7	13.0	15.6	20.7	35.2	30.7

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.2	3.2	5.7	5.5	11.5	2.0	6.7
4	89.9	4.4	5.9	8.5	4.6	3.3	7.4
7	85.2	5.4	3.8	3.3	2.2	1.4	9.5
10	93.5	.7	1.7	1.5	3.2	3.4	6.7
13	97.9	.5	1.9	2.8	1.2	7.1	1.9
16	96.3	.7	.7	.7	3.3	9.6	3.8
19	98.4	.9	1.6	2.8	6.8	14.1	1.2
22	95.9	2.4	3.9	5.3	8.7	6.3	3.6

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.5	.0
4	100.0	.0	.0	.0	.5	.7	.0
7	100.0	.5	.5	.5	.5	.5	.0
10	99.5	.5	.5	.5	.7	.2	.5
13	99.5	.2	.2	.5	.2	.0	.2
16	99.3	.0	.0	.0	.2	.0	.7
19	99.5	.0	.0	.2	.0	.0	.5
22	99.8	.0	.0	.0	.0	.5	.2

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	1.7	2.4	2.7	2.9	3.4	4.1
4	94.9	1.9	2.2	2.7	3.2	4.9	4.6
7	96.1	2.6	1.9	3.6	3.1	1.7	3.9
10	94.7	1.9	2.7	2.4	3.9	3.9	4.6
13	95.9	1.4	3.4	3.8	2.2	4.3	4.3
16	94.2	1.2	2.0	1.0	3.2	3.9	5.6
19	97.0	2.1	3.1	3.8	4.0	3.8	2.9
22	95.6	1.7	1.7	2.9	3.4	4.3	3.9

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

JANUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	68.2	91.5	89.9	90.5	91.6	84.5	85.8	84.1	79.1	73.3	76.7
4	71.4	93.5	92.9	92.9	85.5	85.5	82.9	78.4	71.6	75.5	79.0
7	79.0	92.4	86.5	85.4	84.5	83.0	78.1	73.1	73.4	76.0	83.3
10	73.3	95.3	92.8	90.3	87.1	79.6	78.0	77.0	78.0	84.9	78.6
13	76.3	96.7	93.6	91.2	82.2	78.5	77.3	79.8	84.3	80.4	82.5
16	77.4	94.0	91.7	85.4	79.2	78.0	78.9	84.2	81.3	81.5	81.3
19	73.5	90.9	86.2	84.6	81.5	82.1	85.6	82.1	84.0	83.1	81.5
22	68.2	92.2	89.5	86.1	85.8	88.2	83.8	84.5	82.8	81.4	75.7

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	31.8	22.5	27.7	30.4	51.8	49.3	55.8	63.0	61.6	57.2	54.3
4	28.6	17.7	25.8	43.9	42.7	53.2	63.7	61.3	59.7	54.8	57.3
7	21.0	23.1	30.8	27.5	45.1	57.1	57.1	50.5	54.9	61.5	68.9
10	26.7	25.0	33.0	37.9	50.9	56.9	41.4	49.1	58.6	67.0	62.1
13	23.7	19.4	28.2	33.0	45.6	35.0	44.7	50.5	66.7	54.4	59.2
16	22.6	20.4	25.5	32.7	30.6	40.8	52.0	66.3	50.0	61.2	66.3
19	26.5	11.3	19.1	22.6	36.5	47.0	64.9	52.2	57.4	63.5	52.2
22	31.8	17.4	28.3	34.1	44.9	62.8	53.6	60.9	67.4	57.2	52.9

JANUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	65.4	53.8	46.2	38.5	50.0	11.5
4	5.3	69.6	47.8	52.2	39.1	47.0	.0
7	4.8	71.4	61.9	47.6	66.7	28.6	19.0
10	9.0	82.1	74.4	64.1	43.6	25.6	5.1
13	15.0	81.5	64.6	47.7	23.1	9.2	12.3
16	11.1	56.3	43.8	37.5	37.5	12.5	18.8
19	6.5	60.7	57.1	53.6	28.6	21.4	17.9
22	8.3	47.2	41.7	41.7	22.2	19.4	25.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	19.1	97.6	96.4	95.2	81.9	69.9	55.4
4	21.4	96.8	87.1	87.1	76.3	61.3	50.5
7	20.8	92.2	88.9	84.4	72.2	63.3	45.6
10	19.6	95.3	91.8	85.9	76.5	68.2	45.9
13	19.8	94.2	90.6	86.0	77.9	66.3	46.5
16	18.7	97.5	95.1	91.4	86.4	74.1	48.1
19	22.4	94.8	92.8	90.7	81.4	66.0	47.4
22	21.4	95.7	92.5	90.3	86.0	68.8	51.3

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	57.4	88.7	85.1	83.9	84.3	79.9	63.1
4	58.8	89.4	88.6	87.8	80.0	76.1	66.3
7	66.1	92.3	85.0	85.0	81.1	73.1	73.1
10	63.1	94.5	90.5	86.9	80.3	66.1	70.4
13	66.6	95.5	90.3	87.9	75.1	68.2	77.9
16	67.7	92.2	89.1	80.6	69.4	69.4	73.5
19	62.0	88.1	81.4	78.1	73.6	77.3	69.9
22	54.4	87.7	82.6	80.9	80.1	78.0	64.4

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	43.3	82.4	79.8	78.7	76.1	68.6	50.0
4	44.2	89.1	81.3	80.2	75.0	62.0	52.6
7	50.3	89.9	82.6	82.6	76.1	62.8	61.5
10	52.5	86.8	80.3	77.6	72.4	58.3	63.2
13	48.6	89.6	84.4	78.7	71.1	59.2	64.5
16	49.1	90.1	80.3	74.2	63.8	58.7	62.9
19	46.3	88.6	78.1	77.1	69.2	67.2	54.7
22	42.2	80.9	74.3	73.8	67.8	68.3	55.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.4	68.8	62.5	59.4	56.3	3.1	28.1
4	12.2	83.0	71.7	73.6	30.2	3.8	17.0
7	19.4	75.0	50.0	31.0	7.1	6.0	34.5
10	8.8	55.3	34.2	28.9	10.5	10.5	10.5
13	4.1	61.1	38.9	27.8	11.1	5.6	11.1
16	3.0	69.2	46.2	30.8	46.2	46.2	23.1
19	3.7	62.5	50.0	43.8	25.0	37.5	.0
22	5.5	83.3	83.3	58.3	45.8	20.8	12.5

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	.0	.0	.0	.0	.0
4	.5	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.4	94.7	73.7	73.7	47.4	47.4	15.8
4	7.4	71.9	59.4	56.3	25.0	18.8	21.9
7	7.6	78.8	66.7	48.5	48.5	21.2	15.2
10	6.9	66.7	46.7	43.3	20.0	13.3	3.3
13	7.1	54.8	35.5	45.2	25.8	6.5	9.7
16	5.5	58.3	45.8	50.0	37.5	25.0	4.2
19	5.8	68.0	48.0	52.0	24.0	28.0	12.0
22	6.9	63.3	50.0	23.3	33.3	23.3	3.3

JANUARY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	1.5	2.5	2.7	2.7	12.7	5.6
4	94.7	1.7	1.5	2.2	7.3	9.0	5.8
7	95.2	2.7	4.6	7.0	12.4	5.3	4.1
10	91.0	6.8	9.4	10.1	7.8	6.6	9.4
13	85.0	3.5	4.6	4.6	3.5	5.4	15.4
16	88.9	2.1	2.1	2.6	4.7	4.7	9.6
19	93.5	3.0	5.4	5.2	4.4	3.7	5.7
22	91.7	1.8	1.0	2.8	4.0	8.0	6.8

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	80.9	1.4	2.9	4.0	6.3	8.0	14.0
4	78.6	.9	2.3	2.6	4.1	7.0	16.1
7	79.2	.3	.9	2.6	6.1	11.7	17.3
10	80.4	1.4	2.6	3.7	4.6	10.0	16.0
13	80.2	1.1	2.0	2.0	8.6	10.9	16.1
16	81.3	1.7	2.8	6.5	6.5	11.9	14.7
19	77.6	.6	1.5	1.5	4.7	10.7	14.8
22	78.6	.9	2.1	3.2	6.5	9.1	12.9

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	42.6	16.2	23.9	24.9	41.3	48.6	50.3
4	41.2	15.1	21.2	34.8	39.1	55.9	49.7
7	33.9	19.0	26.5	20.4	38.1	40.8	56.2
10	36.9	18.8	25.2	31.9	46.2	34.4	53.1
13	33.4	15.2	25.7	27.6	35.9	36.6	46.2
16	32.3	15.7	20.0	22.9	27.9	38.6	56.4
19	38.0	8.5	13.9	15.8	31.5	50.6	48.5
22	45.6	16.2	25.3	29.8	34.8	47.5	43.4

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	56.7	9.3	16.7	17.9	30.6	33.3	38.2
4	55.8	12.0	15.7	26.6	34.7	38.8	38.4
7	49.7	15.3	18.1	22.3	20.9	29.8	41.1
10	47.5	8.3	14.6	16.5	23.3	24.3	42.2
13	51.4	11.7	18.0	21.1	22.9	28.3	35.0
16	50.9	10.4	18.6	19.5	21.3	31.2	37.6
19	53.7	9.0	10.3	12.0	21.0	37.5	39.9
22	57.8	8.8	17.9	21.1	27.9	42.2	33.9

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.6	5.0	5.7	8.5	16.5	4.2	6.0
4	87.8	3.7	7.9	11.8	5.8	2.9	11.5
7	80.6	4.9	4.3	3.4	3.4	3.2	16.7
10	91.2	1.5	1.8	1.8	2.3	5.1	8.6
13	95.9	1.2	1.2	1.9	3.4	7.7	3.8
16	97.0	1.7	3.3	2.9	4.3	11.2	2.1
19	96.3	.7	2.4	4.1	6.9	19.4	4.1
22	94.5	1.7	3.2	4.6	10.2	8.0	5.6

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.5	.0	.0	.2
4	99.5	.0	.0	.0	.2	.0	.5
7	100.0	.2	.5	.2	.0	.2	.0
10	99.8	.0	.0	.0	.0	.0	.2
13	100.0	.0	.0	.0	.2	.2	.0
16	100.0	.0	.0	.2	.0	.5	.0
19	99.8	.0	.0	.0	.2	.0	.2
22	100.0	.0	.0	.2	.5	.2	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.6	3.1	3.4	4.3	5.8	5.3	3.9
4	92.6	3.5	3.0	3.7	5.5	4.5	6.2
7	92.4	1.5	3.8	3.5	3.8	4.5	7.0
10	93.1	2.7	3.7	4.5	4.5	6.4	6.9
13	92.9	2.2	2.0	2.5	4.2	4.2	6.7
16	94.5	2.2	3.7	3.2	5.1	6.3	5.4
19	94.2	2.9	2.9	4.2	3.2	6.4	5.1
22	93.1	1.5	3.2	3.0	5.4	5.4	7.2

FEBRUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	67.9	92.1	90.2	90.6	91.7	86.8	88.0	86.5	79.7	77.1	69.5
4	74.0	94.1	91.0	93.4	88.6	86.9	85.5	80.0	76.9	69.3	74.1
7	81.1	91.5	89.9	88.4	86.8	86.8	83.0	79.2	71.1	76.4	81.1
10	76.8	95.3	93.7	90.7	89.0	83.4	80.1	72.1	78.4	81.7	78.4
13	78.1	96.1	94.4	92.8	86.9	81.7	73.9	77.8	81.7	78.4	80.1
16	80.1	95.2	91.4	88.2	81.8	73.9	77.1	81.8	79.3	78.0	81.5
19	76.3	92.6	91.6	89.0	78.6	81.9	86.3	83.3	81.6	83.6	77.6
22	73.0	85.7	84.3	82.5	82.9	85.7	81.8	81.5	82.9	76.9	74.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	32.1	19.8	34.1	38.9	58.7	55.6	57.1	66.7	69.0	64.3	61.1
4	26.0	15.7	26.5	46.1	43.1	52.9	64.7	65.7	61.8	59.8	70.6
7	18.9	17.6	27.0	27.0	40.5	51.4	47.3	45.9	48.6	59.5	78.4
10	23.2	16.5	27.5	36.3	53.8	52.7	49.5	49.5	56.0	76.9	69.2
13	21.9	18.6	18.6	34.9	38.4	41.9	41.9	57.0	76.7	68.6	65.1
16	19.9	15.4	30.8	28.2	37.2	38.5	57.7	75.6	64.1	71.8	70.5
19	23.7	15.1	18.3	21.5	29.0	45.2	62.4	53.8	61.3	65.6	69.9
22	27.0	12.3	17.9	24.5	47.2	67.0	61.3	64.2	69.8	72.6	66.0

FEBRUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.4	68.0	44.0	36.0	28.0	40.0	28.0
4	4.1	68.8	68.8	50.0	75.0	75.0	31.3
7	4.3	76.5	88.2	76.5	82.4	52.9	11.8
10	11.2	81.8	77.3	79.5	68.2	45.5	22.7
13	17.3	72.1	67.6	64.7	30.9	19.1	30.9
16	15.6	72.1	63.9	44.3	41.0	13.1	24.6
19	7.7	70.0	63.3	63.3	36.7	16.7	26.7
22	9.4	59.5	43.2	40.5	27.0	29.7	24.3

CRITERIA TWO NDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	26.8	98.1	96.2	91.4	83.8	70.5	48.6
4	28.6	96.4	93.8	91.1	83.0	73.2	49.1
7	29.6	94.0	91.4	85.3	72.4	58.6	48.3
10	27.0	92.5	88.7	83.0	81.1	63.2	30.0
13	27.6	96.3	91.7	89.8	73.1	65.7	48.1
16	28.3	96.4	93.7	80.2	75.7	63.1	49.5
19	25.3	94.9	92.9	92.9	79.8	68.7	49.5
22	25.8	92.1	88.1	85.1	78.2	66.3	50.5

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	51.0	88.0	84.5	84.0	83.0	79.5	58.0
4	57.4	92.0	85.8	87.1	83.1	78.2	65.3
7	65.6	90.3	84.4	84.4	79.8	73.5	70.8
10	63.8	94.0	89.2	86.4	82.4	66.8	68.8
13	64.0	94.4	90.8	88.4	80.9	62.9	71.7
16	66.1	92.3	87.6	84.2	71.4	68.7	71.0
19	62.2	88.5	84.0	79.5	68.4	78.3	70.1
22	55.4	82.9	80.2	77.9	77.0	77.4	59.4

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	41.8	85.4	79.3	76.8	70.7	67.1	54.3
4	44.6	89.1	86.3	82.3	78.3	69.1	58.3
7	49.7	85.6	81.5	80.5	74.4	67.2	57.9
10	49.5	88.7	85.6	80.9	70.1	57.7	56.2
13	49.2	89.6	83.4	79.3	71.0	55.4	54.4
16	49.0	88.0	82.3	78.6	66.7	59.4	54.7
19	47.4	86.6	76.3	72.6	66.7	62.9	57.0
22	43.1	85.8	78.1	78.1	65.7	63.9	49.1

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.9	81.5	70.4	66.7	63.0	25.9	11.1
4	12.8	78.0	78.0	68.0	32.0	10.0	24.0
7	18.9	71.6	43.8	27.0	16.2	9.5	36.5
10	9.2	52.8	50.0	38.9	22.2	11.1	19.4
13	5.4	57.1	33.3	28.6	9.5	19.0	9.5
16	6.1	75.0	41.7	33.3	29.2	29.2	8.3
19	3.8	53.3	53.3	60.0	40.0	26.7	6.7
22	4.8	78.9	57.9	52.6	36.8	31.6	15.8

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.8	33.3	33.3	33.3	.0	.0	.0
4	.3	100.0	100.0	.0	.0	.0	.0
7	.3	.0	.0	.0	.0	.0	.0
10	.5	100.0	.0	.0	.0	.0	.0
13	.5	50.0	50.0	.0	.0	.0	.0
16	.8	33.3	.0	.0	33.3	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.5	50.0	50.0	50.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.4	47.6	33.3	47.6	33.3	33.3	9.5
4	5.6	59.1	72.7	50.0	59.1	31.8	22.7
7	5.9	69.6	69.6	73.9	30.4	26.1	8.7
10	9.7	44.7	47.4	42.1	31.6	21.1	15.8
13	6.9	63.0	51.9	55.6	33.3	18.5	11.1
16	8.2	71.9	46.9	50.0	31.3	21.9	15.6
19	8.2	65.6	65.6	53.1	25.0	31.3	9.4
22	7.7	63.3	53.3	40.0	33.3	36.7	30.0

FEBRUARY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.6	2.5	1.9	1.9	2.7	15.8	4.6
4	95.9	1.6	1.3	2.4	8.5	13.0	2.7
7	95.7	3.7	7.5	8.3	14.4	5.6	4.0
10	88.8	5.7	8.0	9.5	8.9	4.9	10.3
13	82.7	8.3	6.2	5.2	2.8	3.4	14.8
16	84.4	2.1	.6	.9	3.6	2.1	14.5
19	92.3	2.2	5.2	5.0	3.6	3.3	6.1
22	90.6	2.0	3.1	2.5	1.4	9.9	8.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	73.2	1.4	4.2	5.6	9.8	11.8	14.3
4	71.4	1.1	3.9	5.0	4.6	10.4	15.7
7	70.4	1.4	1.8	2.5	8.7	11.2	17.0
10	73.0	1.7	4.2	7.0	8.7	11.9	14.3
13	72.4	.4	1.8	4.9	7.0	7.4	15.5
16	71.7	.7	2.8	3.6	6.0	10.3	15.7
19	74.7	1.0	2.4	3.1	4.4	11.9	16.7
22	74.2	1.0	1.7	2.1	6.9	9.3	16.8

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	49.0	16.7	24.0	29.7	47.4	47.9	44.8
4	42.6	15.6	20.4	36.5	37.7	49.7	47.9
7	34.4	15.6	26.1	24.4	34.1	40.7	56.3
10	36.2	16.2	20.4	24.6	37.3	35.2	54.2
13	36.0	13.5	18.4	26.2	29.1	31.2	49.6
16	33.9	12.8	22.6	19.5	24.1	36.8	55.6
19	37.8	7.4	14.2	15.5	23.6	45.3	49.3
22	44.6	9.7	14.3	18.9	34.3	46.3	49.7

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	58.2	11.0	16.7	21.5	34.6	36.4	34.6
4	55.4	9.7	13.4	23.5	26.3	32.7	34.1
7	50.3	14.7	15.8	18.8	24.4	27.9	40.6
10	50.5	6.6	14.6	18.2	28.3	28.8	41.1
13	50.8	9.5	14.1	19.6	24.6	30.7	43.2
16	51.0	8.5	16.0	17.5	20.5	31.0	41.5
19	52.6	7.3	11.2	16.5	21.4	36.9	37.4
22	56.9	5.4	9.4	16.1	29.1	37.2	38.6

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.1	2.7	6.0	8.8	15.6	3.8	6.3
4	87.2	1.8	3.2	11.7	5.8	5.6	10.8
7	81.1	3.5	3.5	5.0	2.8	2.5	14.2
10	90.8	.8	1.7	2.0	4.5	4.2	8.1
13	94.6	1.1	3.8	4.9	3.5	5.9	5.1
16	93.9	1.4	1.6	1.9	3.3	11.4	6.0
19	96.2	.3	1.3	2.7	5.3	18.0	3.4
22	95.2	.8	2.4	4.3	11.3	8.0	3.8

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.2	.0	.0	.0	.3	.5	.8
4	99.7	.0	.3	.3	.5	.8	.3
7	99.7	.0	.5	.5	.5	.5	.3
10	99.5	.0	.3	.5	.8	.5	.5
13	99.5	.5	1.3	.8	.5	.8	.5
16	99.2	.0	.3	.5	.3	.3	.6
19	99.5	.3	.8	.5	.8	.3	.5
22	99.5	.0	.3	.5	.3	.5	.5

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.6	2.2	4.0	3.2	4.3	5.4	5.1
4	94.4	1.9	3.2	3.2	6.8	6.8	4.9
7	94.1	3.3	4.3	5.7	5.4	7.0	5.7
10	90.3	2.0	2.3	3.1	5.6	6.2	9.3
13	93.1	3.8	4.7	4.7	6.3	4.4	6.8
16	91.8	2.2	3.1	4.4	5.6	4.4	7.5
19	91.8	2.2	3.3	3.6	3.6	3.6	8.3
22	92.3	1.4	3.3	2.5	3.6	7.7	6.4

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MARCH

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	67.0	92.4	88.6	86.6	90.3	86.9	87.2	84.8	79.2	70.2	72.0
4	68.2	92.5	94.2	94.3	86.8	88.2	86.4	81.0	71.6	74.0	73.6
7	80.6	89.7	88.3	86.8	87.1	87.1	80.5	70.2	71.9	72.0	82.0
10	75.5	94.8	92.6	90.2	90.5	83.7	73.6	74.2	72.5	93.5	79.8
13	77.6	94.6	89.6	89.9	83.9	72.2	74.3	73.2	83.9	80.3	81.8
16	79.7	93.9	92.7	86.7	75.3	75.0	75.7	84.6	81.1	82.3	83.4
19	73.7	90.6	85.6	81.1	79.6	77.4	86.5	82.7	83.7	84.3	79.6
22	64.9	90.0	86.1	85.4	80.4	87.9	85.4	86.1	85.0	78.2	70.4

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	33.0	22.4	26.6	30.8	60.8	53.1	58.5	69.2	62.2	53.8	58.7
4	31.8	16.7	33.6	51.4	51.4	54.7	65.2	58.0	50.4	54.0	58.7
7	19.4	13.1	25.0	28.6	37.3	48.8	45.2	42.9	50.0	56.0	73.8
10	24.5	13.2	26.7	38.7	45.7	42.5	37.7	47.2	57.5	70.8	60.4
13	22.4	23.7	40.2	43.8	38.1	39.2	44.3	53.6	68.0	56.7	63.5
16	20.3	18.2	25.3	21.8	23.9	38.6	42.0	63.6	51.1	59.8	64.8
19	26.3	7.0	14.0	20.2	34.2	45.6	63.2	53.5	61.1	66.7	58.8
22	35.1	11.2	24.3	34.9	47.4	66.4	55.9	62.3	69.7	66.4	55.3

MARCH

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.7	55.2	51.7	44.8	37.9	48.3	10.3
4	4.8	52.4	66.7	52.4	71.4	66.7	19.0
7	5.3	69.6	65.2	69.6	56.5	39.1	17.4
10	13.4	75.9	70.7	67.2	63.8	27.6	24.1
13	19.4	81.9	70.2	65.5	40.5	16.9	29.8
16	20.1	69.0	59.3	47.1	35.6	17.2	32.6
19	11.5	66.0	60.0	58.0	32.0	24.0	28.0
22	10.4	71.1	48.9	42.2	33.3	33.3	20.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	18.9	92.7	90.2	87.8	81.7	65.9	54.9
4	19.6	97.6	94.0	90.6	86.9	62.4	49.4
7	20.7	95.5	94.4	91.0	74.4	53.3	47.8
10	19.9	96.5	90.6	82.6	68.6	57.0	51.8
13	18.2	87.3	79.7	77.2	69.6	70.9	54.4
16	17.1	95.9	91.9	87.8	82.4	73.0	55.4
19	18.5	95.0	92.5	87.5	82.5	66.2	48.7
22	18.0	94.8	92.3	92.3	83.3	75.3	48.7

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	57.0	89.5	95.4	82.6	85.0	78.1	64.2
4	57.1	90.7	88.3	89.5	79.4	81.0	66.5
7	71.0	89.3	84.1	81.4	79.9	74.3	74.4
10	62.8	91.9	90.4	86.3	88.2	67.9	70.5
13	65.1	93.2	88.7	87.9	77.9	69.4	72.0
16	68.8	93.0	89.6	81.5	69.0	70.1	76.4
19	62.4	89.3	82.2	76.2	74.7	81.5	71.4
22	53.3	88.3	82.7	81.3	73.6	76.1	62.2

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	41.8	86.2	80.6	79.0	71.8	70.7	50.6
4	42.9	83.2	88.1	81.2	77.8	65.4	50.5
7	47.5	90.2	86.9	80.5	74.8	62.0	54.4
10	50.3	86.2	80.7	80.3	71.1	60.4	58.1
13	50.1	88.5	82.9	77.0	69.6	55.8	61.3
16	46.7	93.6	87.1	80.2	67.7	59.9	58.4
19	47.3	83.9	79.5	75.5	66.8	61.0	57.4
22	42.7	83.8	76.8	75.7	67.0	66.3	52.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.1	68.2	40.9	54.5	45.5	4.5	9.1
4	7.8	69.7	63.5	64.7	21.2	14.7	11.8
7	14.3	54.8	41.9	25.9	12.9	12.9	30.6
10	6.2	48.1	48.1	33.3	40.7	22.2	22.2
13	5.1	77.3	63.6	54.5	50.0	22.7	18.2
16	4.8	76.2	71.4	71.4	42.9	33.3	9.5
19	6.2	77.8	63.0	51.9	40.7	33.3	18.5
22	3.9	58.8	52.9	47.1	35.3	29.4	17.6

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	.0	33.3	.0	.0	.0
4	.5	100.0	50.0	50.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.9	100.0	75.0	25.0	25.0	50.0	25.0
13	1.6	100.0	57.1	42.9	28.6	14.3	14.3
16	1.6	85.7	28.6	14.3	14.3	.0	.0
19	3.5	53.3	33.3	26.7	6.7	.0	20.0
22	2.1	11.1	11.1	22.2	11.1	11.1	11.1

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	9.0	64.1	47.4	41.0	25.6	25.6	12.8
4	6.0	72.0	52.0	42.3	36.0	15.4	15.4
7	4.1	72.2	66.7	55.6	38.9	16.7	11.1
10	5.5	54.2	50.0	50.0	33.3	16.7	20.8
13	6.5	67.9	64.3	46.4	32.1	25.0	21.4
16	6.5	53.6	46.4	57.1	32.1	28.6	21.4
19	8.5	78.4	56.8	56.8	51.4	18.9	18.9
22	7.2	54.8	64.5	54.8	32.3	22.6	6.5

MARCH

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.3	1.2	2.7	2.0	3.0	17.4	6.7
4	95.2	1.5	2.9	2.9	10.4	17.7	5.1
7	94.7	4.4	8.8	10.2	17.3	10.0	5.1
10	86.6	6.7	8.6	11.8	13.4	7.8	12.8
13	80.6	7.4	10.6	9.2	4.6	4.6	17.8
16	79.9	3.5	1.7	2.6	4.1	2.9	17.3
19	88.5	2.9	3.1	4.2	3.7	3.4	10.5
22	89.6	1.3	2.3	2.8	2.6	12.1	9.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	81.1	2.0	3.1	3.7	6.6	7.1	12.0
4	80.4	1.4	2.9	3.7	3.7	6.0	13.8
7	79.3	.6	.9	1.5	3.5	9.3	14.8
10	80.1	.3	1.2	2.0	4.0	8.1	12.7
13	81.8	1.7	2.0	3.7	7.1	8.8	11.0
16	82.9	3.1	4.5	4.2	4.7	10.0	10.1
19	81.5	.6	1.4	2.3	6.0	11.6	12.5
22	82.0	.3	2.3	4.2	7.0	8.7	12.1

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	43.0	15.1	21.0	23.1	52.2	48.1	47.8
4	42.9	11.3	30.3	46.2	40.9	52.7	45.7
7	29.0	8.7	15.9	17.5	28.8	33.3	61.1
10	37.2	11.8	20.6	29.2	35.6	29.2	49.7
13	34.9	14.6	26.5	32.7	33.1	34.4	52.7
16	31.2	13.3	21.8	19.4	18.5	29.6	54.1
19	37.6	6.1	11.7	16.0	28.2	52.1	47.9
22	46.7	9.5	18.8	29.7	39.1	47.0	43.1

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	58.2	9.9	17.5	16.7	29.8	35.5	34.9
4	57.1	6.9	15.4	22.2	29.8	32.7	37.5
7	52.5	14.5	20.2	23.2	27.8	34.2	40.4
10	49.7	8.8	12.2	19.2	21.5	25.1	41.9
13	49.9	7.4	13.4	15.8	24.7	27.0	40.0
16	53.3	9.5	21.0	18.3	20.8	28.1	38.3
19	52.7	6.1	10.1	13.6	18.5	34.6	39.9
22	57.3	6.9	12.1	15.8	25.0	37.5	35.5

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.9	2.4	3.7	5.4	12.7	5.1	4.9
4	92.2	3.5	5.5	10.0	5.0	4.0	8.0
7	85.7	1.3	1.9	3.0	3.8	5.1	12.1
10	93.8	1.0	1.7	3.2	2.5	2.7	5.2
13	94.9	.7	1.9	2.2	3.9	4.1	4.4
16	95.2	1.7	2.2	2.9	1.9	7.0	4.9
19	93.8	.5	1.0	.7	2.7	13.5	5.7
22	96.1	1.0	2.4	3.4	7.2	5.3	3.6

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.5	.2	.2	1.6	.7
4	99.5	.0	.2	.0	.9	1.6	.5
7	99.8	.2	.5	.9	1.6	3.5	.2
10	99.1	.5	1.4	1.4	1.4	1.6	.7
13	98.4	.2	.9	.9	3.1	.5	1.2
16	98.4	.9	2.6	3.3	1.6	.5	2.1
19	96.5	.0	.7	1.2	.5	.2	2.9
22	97.9	.2	.2	.2	.2	.7	1.9

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.0	1.8	2.5	2.5	2.0	4.6	8.4
4	94.0	2.2	2.9	1.7	3.7	5.9	5.1
7	95.9	3.4	2.6	3.4	5.1	8.2	4.1
10	94.5	3.7	2.5	3.9	4.9	6.6	4.4
13	93.5	2.0	2.2	3.7	6.9	7.7	5.4
16	93.5	2.2	4.0	5.2	5.2	4.2	5.7
19	91.5	3.5	3.0	2.5	5.1	3.0	7.8
22	92.8	2.0	2.5	5.5	3.7	4.0	7.0

APRIL

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	63.8	91.4	85.4	84.0	85.4	81.3	81.0	79.5	80.6	67.9	72.4
4	63.3	93.2	92.9	88.3	83.5	82.3	80.5	78.9	66.9	69.2	70.3
7	75.2	89.2	85.8	80.1	81.0	80.4	76.9	63.3	68.7	67.1	77.2
10	67.9	91.9	89.5	87.0	86.0	82.8	72.6	73.7	71.2	79.6	71.9
13	71.7	92.4	90.0	86.0	83.4	71.1	72.1	71.4	81.4	72.8	76.1
16	72.6	95.1	89.5	86.9	72.8	73.8	71.8	83.0	74.8	76.1	76.7
19	71.4	88.0	82.0	78.0	75.3	73.3	83.0	76.7	77.7	78.7	77.7
22	60.0	91.3	86.9	84.1	79.8	84.1	80.6	79.4	79.4	81.7	69.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	36.2	18.4	26.3	27.0	57.2	44.1	55.3	60.5	55.3	46.1	46.1
4	36.7	22.1	44.8	52.6	40.9	53.2	59.1	58.4	48.1	51.9	48.7
7	24.8	22.1	24.0	30.8	43.3	49.0	54.8	50.0	45.2	48.1	68.3
10	32.1	26.7	33.3	39.3	44.4	47.4	33.3	40.0	43.7	65.2	58.5
13	28.3	14.3	28.6	38.7	41.2	31.9	39.5	39.5	58.8	54.6	58.0
16	27.4	14.8	22.6	30.4	26.1	33.9	37.4	53.9	48.7	57.4	59.1
19	28.6	5.8	8.3	15.0	31.7	35.0	55.0	45.0	54.2	55.0	55.8
22	40.0	13.7	23.2	31.0	36.3	61.3	48.2	58.3	60.7	56.0	45.8

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

APRIL

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	68.0	68.0	56.0	52.0	72.0	20.0
4	5.7	66.7	66.7	58.3	70.8	70.8	12.5
7	5.5	60.9	56.5	65.2	73.9	21.7	8.7
10	11.7	73.5	75.5	71.4	59.2	12.2	18.4
13	18.8	72.2	58.2	59.5	19.0	10.1	25.3
16	18.8	60.3	37.2	29.1	19.0	12.7	32.9
19	6.7	57.1	50.0	39.3	35.7	35.7	10.7
22	5.7	66.7	62.5	50.0	33.3	41.7	8.3

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	20.2	94.1	92.9	90.6	78.8	62.4	50.6
4	21.2	96.6	89.9	88.8	71.9	57.3	48.3
7	21.7	92.3	80.2	75.8	68.1	56.0	46.2
10	17.9	97.3	94.7	90.7	77.3	73.3	56.0
13	18.3	96.1	88.3	84.4	79.2	75.3	53.2
16	17.6	98.6	98.6	93.2	89.2	75.7	54.1
19	18.3	94.8	93.5	90.9	81.8	68.8	49.4
22	18.8	97.5	92.4	86.1	79.7	58.2	48.1

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	50.5	86.8	79.2	75.5	82.1	72.6	60.4
4	49.0	88.3	88.8	84.0	78.6	73.8	57.8
7	64.3	86.6	79.6	74.1	72.2	73.0	70.4
10	58.1	91.4	86.9	82.0	77.5	59.8	61.9
13	57.9	88.5	86.8	81.1	78.6	64.2	65.4
16	59.5	92.8	87.6	84.8	62.8	60.8	66.4
19	61.0	79.7	72.3	67.6	67.2	75.0	70.7
22	45.0	87.8	82.5	79.9	72.0	76.2	59.3

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	33.6	75.2	66.7	60.3	62.4	50.4	44.0
4	31.7	77.4	75.9	75.2	64.7	55.6	37.6
7	42.1	75.0	68.9	63.8	54.8	51.4	53.1
10	36.9	83.9	76.1	70.3	63.9	42.6	47.1
13	35.5	87.2	81.2	76.5	67.1	49.7	49.0
16	39.3	89.7	84.2	74.5	52.1	47.3	53.3
19	38.6	80.2	71.0	64.2	58.6	60.5	56.2
22	30.0	82.5	67.5	66.7	53.2	55.6	42.1

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	75.0	75.0	62.5	50.0	.0	.0
4	4.0	76.5	82.4	76.5	17.6	5.9	17.6
7	9.0	59.5	34.2	21.1	7.9	5.3	21.1
10	2.9	91.7	66.7	33.3	25.0	8.3	8.3
13	1.2	80.0	40.0	40.0	20.0	.0	20.0
16	2.4	30.0	40.0	20.0	.0	20.0	.0
19	1.0	100.0	25.0	25.0	25.0	75.0	.0
22	.5	50.0	50.0	50.0	50.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.5	50.0	50.0	100.0	.0	.0	.0
7	.7	33.3	.0	.0	.0	.0	.0
10	.7	.0	33.3	.0	.0	.0	.0
13	.7	66.7	66.7	66.7	.0	.0	.0
16	1.7	28.6	28.6	.0	.0	.0	.0
19	1.7	57.1	28.6	14.3	.0	.0	14.3
22	.7	66.7	.0	.0	.0	.0	33.3

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	44.4	22.2	22.2	11.1	22.2	.0
4	2.1	33.3	22.2	33.3	.0	22.2	22.2
7	2.4	20.0	10.0	.0	10.0	.0	.0
10	1.0	75.0	75.0	50.0	50.0	50.0	.0
13	3.3	57.1	57.1	35.7	21.4	35.7	7.1
16	5.2	36.4	40.9	22.7	27.3	4.5	4.5
19	2.9	41.7	33.3	41.7	16.7	8.3	.0
22	2.9	66.7	58.3	41.7	16.7	8.3	.0

APRIL

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	2.0	1.3	2.5	2.5	15.4	4.8
4	94.3	1.0	1.5	2.3	8.1	15.7	4.5
7	94.5	5.3	8.8	8.6	15.6	5.8	4.8
10	88.3	5.7	8.1	11.9	13.5	4.9	9.7
13	81.2	4.7	8.5	9.4	3.8	4.7	16.4
16	81.2	3.5	2.3	1.5	2.6	3.2	15.0
19	93.3	2.3	3.3	3.3	3.6	2.8	5.4
22	94.3	1.8	2.8	3.0	3.3	8.8	5.8

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	79.8	1.8	3.3	3.6	7.2	7.2	11.6
4	78.8	1.8	2.7	3.6	3.3	6.9	12.7
7	78.3	.9	1.2	1.8	4.6	7.9	14.0
10	82.1	.9	2.3	2.6	4.6	7.0	8.7
13	81.7	.9	2.3	2.6	4.7	7.0	9.6
16	82.4	.9	.9	2.3	3.8	8.4	9.0
19	81.7	.9	1.5	2.6	5.5	10.2	11.1
22	81.2	1.8	3.2	4.1	6.5	7.6	11.4

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	49.5	14.4	22.1	22.1	46.2	42.8	38.5
4	51.0	19.2	38.3	45.3	38.3	45.8	38.8
7	35.7	16.7	24.0	29.3	32.0	39.3	52.7
10	41.9	19.9	24.4	24.4	34.7	24.4	51.7
13	42.1	11.9	22.6	29.9	36.7	29.4	45.8
16	40.5	11.2	21.9	25.9	18.8	29.4	47.1
19	39.0	5.5	5.5	9.8	22.0	47.0	46.3
22	55.0	11.7	17.3	24.7	28.6	42.4	33.3

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	66.4	7.5	14.3	17.2	31.9	28.0	27.6
4	68.3	10.1	20.2	26.8	24.0	31.7	27.5
7	57.9	6.6	12.8	17.3	21.4	29.2	35.0
10	63.1	10.9	15.1	15.1	24.9	22.6	31.3
13	64.5	6.6	12.2	18.8	22.9	21.0	26.6
16	60.7	8.3	12.2	15.3	15.7	20.0	29.8
19	61.4	4.7	6.2	8.5	17.1	31.4	27.1
22	70.0	9.9	13.9	18.7	21.1	29.3	24.8

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	1.0	2.4	2.9	8.3	1.2	1.9
4	96.0	.7	7.9	6.2	2.2	2.2	3.0
7	91.0	.8	1.0	1.0	.5	.5	7.3
10	97.1	.5	.0	.2	1.7	.2	2.7
13	98.8	1.0	1.7	1.9	.7	1.9	1.2
16	97.6	1.0	.5	.5	.5	3.2	2.2
19	99.0	.2	.2	.2	1.7	7.9	1.0
22	99.5	.5	1.2	1.7	3.3	2.9	.2

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.5	.7	.7	.0
4	99.5	.5	.0	.2	.7	1.7	.5
7	99.3	.0	.2	.7	.7	1.7	.7
10	99.3	.2	.5	.7	1.7	.7	1.2
13	99.3	1.0	1.2	1.2	1.7	.0	1.0
16	98.3	.7	1.2	1.7	.7	.5	1.2
19	98.3	.0	.7	.5	.0	.7	1.7
22	99.3	.2	.2	.0	.5	1.2	.5

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.5	.7	1.7	2.2	2.9	2.2
4	97.9	.2	1.7	1.7	1.0	4.9	1.7
7	97.6	.7	1.5	1.0	3.2	2.9	2.2
10	99.0	1.9	1.4	2.9	4.8	2.4	1.4
13	96.7	2.2	2.7	4.2	2.2	1.0	3.4
16	34.8	1.8	1.3	1.8	1.5	2.0	5.0
19	97.1	1.2	1.0	1.7	1.7	2.0	2.7
22	97.1	2.0	1.5	1.0	1.7	1.2	2.7

MAY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	54.1	88.5	81.7	77.0	80.0	85.1	82.9	85.5	88.5	71.5	63.4
4	52.8	93.0	88.6	83.8	86.5	86.4	85.6	87.8	72.9	65.5	59.4
7	66.1	90.6	86.1	85.4	82.5	84.3	84.3	69.7	62.7	58.5	72.8
10	69.4	91.4	88.4	87.3	85.7	85.0	68.4	62.5	60.5	72.1	76.4
13	69.1	93.0	92.3	92.0	90.6	73.9	65.6	60.9	73.6	77.6	79.9
16	73.3	91.2	89.3	88.4	72.6	63.2	58.5	72.6	76.7	77.9	79.9
19	75.6	93.3	85.1	76.8	64.6	61.0	75.3	77.1	79.2	80.2	83.2
22	61.1	86.8	78.1	75.1	66.8	77.4	80.0	80.7	81.5	85.3	68.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	45.9	16.6	20.6	24.1	49.7	50.8	52.8	58.8	60.3	48.7	43.2
4	47.2	26.8	48.3	46.3	50.2	49.8	59.5	62.0	47.8	41.5	45.4
7	33.9	21.1	33.3	38.1	42.9	51.7	58.5	44.2	37.4	41.5	53.1
10	30.6	21.1	22.6	27.8	45.1	54.1	44.4	35.3	35.3	52.6	53.4
13	30.9	11.9	24.6	31.3	41.8	32.1	29.1	35.1	49.3	51.5	48.5
16	26.7	21.6	32.8	40.5	29.3	29.3	37.1	48.3	49.1	48.3	55.2
19	24.4	4.7	11.3	12.3	21.7	27.4	37.7	45.3	41.5	51.9	50.9
22	38.9	11.2	16.0	21.3	30.8	48.5	52.7	53.3	60.4	59.8	49.1

MAY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.0	76.9	76.9	53.8	46.2	53.8	15.4
4	3.0	84.6	76.9	69.2	76.9	84.6	7.7
7	5.1	81.8	77.3	81.8	68.2	31.8	13.6
10	11.8	76.5	72.5	72.5	54.9	17.6	21.6
13	14.8	71.9	68.8	56.3	26.6	6.3	34.4
16	15.2	60.0	42.4	28.8	19.7	10.6	22.7
19	5.5	75.0	62.5	45.8	16.7	29.2	20.8
22	4.8	61.9	52.4	47.6	42.9	61.9	33.3

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	12.2	96.2	94.3	90.6	75.5	59.6	37.7
4	12.9	92.9	85.7	85.7	75.0	55.4	35.7
7	13.4	94.8	86.2	82.8	68.4	53.4	37.9
10	11.5	82.0	82.0	79.6	72.0	62.0	32.0
13	11.5	95.9	94.0	86.0	74.0	62.0	40.8
16	11.5	90.0	90.0	88.0	82.0	64.0	44.0
19	11.8	96.1	88.2	84.3	66.7	51.0	39.2
22	11.8	94.1	82.4	80.4	72.5	51.0	35.3

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	46.5	86.1	78.7	71.8	73.8	76.2	58.9
4	44.7	91.2	85.1	77.8	79.9	79.4	52.6
7	57.6	87.6	83.6	83.2	78.8	81.6	65.6
10	61.5	89.9	84.6	82.0	79.4	62.5	71.5
13	60.3	92.3	89.7	89.3	88.9	60.9	71.6
16	66.1	89.9	89.9	88.5	69.0	52.3	73.9
19	71.2	90.9	81.6	70.9	59.5	68.3	79.3
22	53.5	84.9	75.0	71.1	61.2	72.8	63.4

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	28.8	78.4	72.0	67.2	68.8	64.8	42.4
4	27.0	82.9	78.6	75.2	67.5	76.9	41.0
7	38.7	81.0	73.8	67.3	67.3	67.9	53.0
10	36.6	89.9	83.6	77.4	76.1	56.0	52.8
13	38.8	84.5	84.5	82.7	76.8	51.2	56.0
16	46.1	91.5	85.5	84.0	60.0	43.5	62.5
19	50.2	89.0	69.7	60.1	45.9	56.9	67.0
22	34.6	77.3	64.0	60.0	50.7	57.3	53.3

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	100.0	100.0	33.3	.0	.0	.0
4	2.8	66.7	58.3	33.3	25.0	16.7	16.7
7	6.7	65.5	48.3	55.2	44.8	20.7	41.4
10	4.6	85.0	70.0	70.0	60.0	20.0	35.0
13	3.7	87.5	81.3	75.0	37.5	6.3	43.8
16	4.1	55.6	27.8	27.8	16.7	11.1	27.8
19	3.2	57.1	42.9	35.7	7.1	50.0	21.4
22	1.8	50.0	25.0	12.5	25.0	50.0	25.0

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.7	33.3	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	2.1	66.7	44.4	33.3	11.1	.0	.0
13	3.9	70.6	52.9	41.2	17.6	.0	5.9
16	7.4	62.5	37.5	34.4	9.4	6.3	21.9
19	5.1	68.2	27.3	13.6	.0	.0	13.6
22	2.8	66.7	25.0	.0	8.3	16.7	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	25.0	50.0	.0	.0	25.0	.0
4	2.5	27.3	18.2	27.3	.0	27.3	.0
7	2.5	36.4	36.4	36.4	36.4	9.1	9.1
10	3.5	60.0	53.3	66.7	26.7	26.7	.0
13	4.8	47.6	47.6	47.6	9.5	.0	4.8
16	6.2	51.9	29.6	25.9	14.8	3.7	7.4
19	4.4	57.9	26.3	21.1	10.5	.0	5.3
22	3.7	50.0	37.5	18.8	18.8	18.8	6.3

MAY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.0	1.7	1.2	1.4	3.8	13.6	2.4
4	97.0	1.4	2.1	3.1	9.7	13.1	2.9
7	94.9	3.9	5.6	8.0	11.9	4.1	4.9
10	88.2	4.2	6.5	7.1	9.9	3.1	10.7
13	85.2	4.9	7.0	8.1	1.9	2.2	12.0
16	84.8	3.0	1.1	1.4	2.2	1.6	13.9
19	94.5	1.7	2.2	2.4	2.0	3.9	5.4
22	95.2	.7	1.5	.5	1.0	9.4	3.6

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	87.8	.3	1.0	2.1	4.7	5.0	8.1
4	87.1	.8	1.9	2.6	2.1	5.0	9.0
7	86.6	.3	.3	.5	2.9	5.3	9.0
10	88.5	.8	.8	2.9	3.6	5.2	8.6
13	88.5	.8	.8	1.6	3.4	5.2	7.6
16	88.5	.8	1.6	1.8	2.6	5.7	7.0
19	88.2	.0	1.6	2.1	4.4	7.8	7.6
22	88.2	1.3	1.6	2.6	4.4	6.0	8.4

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	53.5	15.1	18.5	21.1	43.5	46.3	36.6
4	55.3	23.7	41.7	41.2	46.7	55.4	38.7
7	42.4	19.6	29.3	32.1	35.0	57.1	47.3
10	38.5	18.6	21.6	25.3	44.9	38.9	46.1
13	39.7	9.4	21.5	30.8	44.2	26.2	44.4
16	33.9	19.0	27.9	37.4	23.1	30.6	51.7
19	28.8	4.8	8.8	10.4	16.0	32.0	51.2
22	46.5	10.9	15.3	19.3	26.2	49.0	41.1

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	71.2	7.1	9.1	10.7	26.5	28.2	23.6
4	73.0	11.7	22.1	25.2	25.2	34.7	22.4
7	61.3	12.4	15.4	17.3	20.8	39.1	29.7
10	63.4	5.8	12.4	16.4	28.7	22.2	27.6
13	61.2	9.5	14.0	23.0	33.6	15.1	28.8
16	53.9	10.3	17.9	21.4	12.8	13.7	32.1
19	49.8	6.9	8.8	8.8	12.0	20.4	34.3
22	65.4	6.7	8.1	12.7	15.1	26.1	24.3

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.9	1.6	2.6	6.7	3.7	.7
4	97.2	2.6	5.7	5.9	4.0	3.8	2.4
7	93.3	.0	.0	1.0	.7	2.0	4.2
10	95.4	.5	.7	.5	1.4	1.0	3.1
13	96.3	1.9	2.4	1.4	1.9	.5	2.2
16	95.9	1.4	1.4	2.2	1.2	2.4	3.4
19	96.8	.0	1.2	.7	.5	5.2	2.4
22	98.2	.7	.2	.5	2.3	3.8	1.4

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.7	.9	.7	.2	3.9	.2
4	99.3	.0	.5	.2	2.1	7.4	.7
7	99.8	.0	.7	2.1	3.9	5.1	.2
10	97.9	1.2	2.1	3.3	7.3	2.8	1.6
13	96.1	3.4	3.4	6.0	4.6	.2	3.6
16	92.6	2.0	3.7	2.7	2.2	.2	6.5
19	94.9	1.5	1.5	2.2	.2	.2	4.6
22	97.2	.2	.0	.2	.5	1.2	2.8

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	1.2	.9	2.6	2.6	4.7	.9
4	97.5	.7	1.7	1.9	3.5	5.7	3.1
7	97.5	.7	1.2	2.6	4.0	4.3	2.6
10	96.5	.7	.5	2.6	5.5	2.9	3.1
13	95.2	3.2	2.9	4.1	4.1	1.0	4.6
16	93.8	3.0	3.9	2.9	2.9	2.9	6.4
19	95.6	1.7	2.9	2.9	.5	2.9	4.3
22	96.3	1.9	1.2	.2	2.4	2.4	3.8

JUNE

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	60.4	84.5	76.6	75.4	82.5	84.5	82.1	89.3	91.2	78.5	69.1
4	56.8	92.0	91.1	84.0	85.2	83.5	88.2	89.4	79.2	69.7	67.5
7	69.8	93.5	92.1	89.0	88.3	86.9	91.0	79.7	64.9	62.5	78.5
10	76.0	94.0	89.2	88.6	89.3	89.2	77.2	65.3	62.4	76.4	82.5
13	77.2	94.4	92.9	90.4	90.7	79.1	65.8	61.4	79.3	82.8	84.3
16	79.1	95.5	93.3	92.1	80.5	67.0	61.5	77.7	83.5	83.2	85.3
19	82.5	94.8	89.2	83.3	67.9	62.4	77.6	82.9	85.0	86.8	89.4
22	70.2	89.7	79.2	74.4	65.7	78.9	85.1	85.1	87.9	90.3	80.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	39.6	18.8	26.7	28.5	50.3	63.0	69.7	63.6	69.1	57.6	46.7
4	43.2	35.0	56.1	51.1	63.9	68.9	67.2	73.3	58.3	47.8	41.1
7	30.2	27.0	38.9	46.0	51.6	61.1	62.7	48.4	49.2	41.3	47.6
10	24.0	25.0	34.0	41.0	47.0	61.0	48.0	44.0	36.0	46.0	57.0
13	22.8	16.8	31.6	41.1	54.7	40.0	41.1	37.9	34.7	54.7	52.6
16	20.9	27.6	34.5	46.0	31.0	34.5	35.6	36.8	49.4	54.0	58.6
19	17.5	9.6	12.3	8.2	23.3	27.4	30.1	45.2	39.7	46.6	47.9
22	29.8	17.7	15.3	26.6	33.9	46.0	55.6	58.1	60.5	62.9	45.2

JUNE

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.1	69.2	46.2	46.2	53.8	38.5	16.7
4	3.1	53.8	30.8	76.9	69.2	38.5	30.8
7	4.1	82.4	82.4	82.4	76.5	41.2	29.4
10	8.2	70.6	70.6	64.7	58.8	18.2	27.3
13	14.6	65.6	57.4	44.3	21.3	10.2	28.8
16	12.9	35.2	31.5	24.1	15.1	11.3	39.6
19	6.5	51.9	29.6	30.8	25.9	25.9	22.2
22	2.6	81.8	63.6	45.5	45.5	54.5	18.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.8	95.8	91.7	87.5	83.3	75.0	62.5
4	6.2	100.0	96.2	96.2	76.9	69.2	50.0
7	6.7	96.4	85.7	75.0	67.9	63.0	42.9
10	5.5	95.7	91.3	87.0	87.0	69.6	43.5
13	5.5	100.0	95.7	87.0	90.9	78.3	65.2
16	5.3	100.0	95.5	95.2	81.8	59.1	50.0
19	6.0	92.0	84.0	76.0	68.0	64.0	54.2
22	5.3	100.0	90.9	90.9	77.3	63.6	59.1

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	56.6	82.2	73.7	71.6	80.1	78.0	65.7
4	51.3	89.7	87.8	81.3	82.2	85.0	62.1
7	67.1	92.1	89.6	86.4	84.6	87.8	76.9
10	72.2	93.4	87.7	85.7	86.4	75.7	79.9
13	71.5	94.3	91.3	90.3	91.3	63.1	84.4
16	74.3	97.1	94.8	93.9	80.9	57.0	82.7
19	79.8	94.6	89.2	82.2	64.4	75.7	87.2
22	67.1	88.5	78.6	71.7	59.8	82.6	78.5

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	34.1	78.2	62.0	61.3	66.9	68.3	51.8
4	29.0	83.5	79.3	75.2	72.7	84.3	42.0
7	41.7	87.4	77.6	76.4	70.1	78.0	54.4
10	45.1	85.1	80.2	78.2	84.0	65.2	57.3
13	48.9	91.2	88.7	90.7	89.2	45.3	60.2
16	59.2	96.8	94.7	92.3	72.0	39.8	76.2
19	64.7	92.9	85.9	72.9	45.1	53.0	80.4
22	51.2	74.6	64.3	55.7	43.3	61.0	69.9

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	62.5	50.0	37.5	37.5	25.0	28.6
4	2.6	81.8	81.8	54.5	27.3	27.3	40.0
7	4.3	44.4	16.7	27.8	27.8	33.3	17.6
10	1.4	66.7	83.3	66.7	66.7	16.7	.0
13	3.4	71.4	50.0	50.0	28.6	15.4	.0
16	7.4	48.4	38.7	23.3	9.7	6.9	13.8
19	4.1	23.5	11.8	17.6	18.8	12.5	18.8
22	1.4	83.3	60.0	40.0	20.0	20.0	20.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	100.0	20.0	.0	.0	.0	20.0
4	.5	50.0	50.0	.0	.0	.0	.0
7	.5	50.0	.0	.0	.0	.0	.0
10	2.6	72.7	36.4	45.5	9.1	.0	18.2
13	14.9	72.6	41.9	29.0	17.7	.0	29.0
16	14.9	69.4	43.5	19.7	3.2	.0	30.6
19	9.1	52.6	21.1	5.3	.0	.0	18.4
22	1.2	40.0	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.1	58.8	41.2	35.3	35.3	23.5	13.3
4	3.1	53.8	46.2	69.2	30.8	53.8	18.2
7	3.6	60.0	40.0	40.0	33.3	60.0	25.0
10	2.2	66.7	55.6	55.6	66.7	44.4	.0
13	8.4	71.4	51.4	40.0	22.9	18.2	12.1
16	12.9	68.5	48.1	35.8	14.8	5.9	27.5
19	10.6	50.0	29.5	27.3	17.1	14.6	29.3
22	4.3	55.6	56.3	43.8	25.0	18.8	25.0

JUNE

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.9	1.2	1.2	1.7	2.5	13.9	2.5
4	96.9	.7	1.0	1.7	6.2	12.1	1.7
7	95.9	2.5	3.8	5.0	12.0	5.0	2.5
10	91.8	3.9	6.5	10.2	8.9	1.3	5.8
13	85.4	6.5	7.3	7.6	3.9	1.7	11.0
16	87.1	3.3	3.6	3.9	.8	1.4	8.9
19	93.5	2.6	2.3	.8	1.3	2.1	4.7
22	97.4	.7	1.0	1.5	1.5	6.0	1.5

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.2	.3	.5	1.3	2.0	1.3	2.3
4	93.8	.3	.5	.8	.8	1.0	3.4
7	93.3	.3	.5	.5	1.0	2.1	4.1
10	94.5	.5	.8	.8	.5	1.5	3.3
13	94.5	.3	.5	.5	1.3	1.5	2.0
16	94.7	.5	1.0	1.3	1.0	3.3	2.8
19	94.0	.3	.5	.5	1.5	3.1	2.6
22	94.7	.8	1.0	1.0	2.3	2.3	2.1

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	43.4	17.1	23.2	24.9	50.3	63.0	44.2
4	48.7	35.5	54.2	52.2	61.6	63.1	38.9
7	32.9	24.1	35.0	43.1	44.5	63.5	46.0
10	27.8	22.4	30.2	34.5	43.1	44.8	55.2
13	28.5	13.4	25.2	34.5	50.8	39.5	42.0
16	25.7	22.4	25.2	39.3	27.1	32.7	52.3
19	20.2	9.5	13.1	8.3	23.8	32.1	48.8
22	32.9	16.1	13.1	25.5	32.8	53.3	45.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	65.9	6.9	12.0	12.4	28.7	38.9	24.4
4	71.0	14.2	22.7	28.0	33.8	49.0	22.4
7	58.3	10.7	18.5	22.6	33.7	55.1	31.3
10	54.9	9.6	17.9	24.9	38.9	39.7	34.1
13	51.1	19.2	23.5	29.1	41.0	22.5	36.6
16	40.8	14.7	22.9	24.7	21.2	11.2	34.1
19	35.3	8.8	10.9	11.6	12.2	19.0	34.7
22	48.8	5.4	6.9	10.8	12.3	27.6	32.0

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	2.4	2.0	2.0	3.7	2.9	1.5
4	97.4	1.7	4.7	3.0	.7	6.9	2.0
7	95.7	.0	.5	.3	2.3	2.8	3.5
10	98.6	.5	1.5	2.4	6.6	1.2	1.2
13	96.6	3.7	3.5	6.0	3.2	1.5	3.2
16	92.6	1.3	2.8	2.6	.8	2.6	6.8
19	95.9	1.8	2.5	.8	1.3	3.8	3.5
22	98.6	.7	.7	1.5	2.7	1.0	1.2

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.7	.7	.5	.5	15.0	.7
4	99.5	.5	.0	.5	2.7	14.9	.5
7	99.5	.0	.7	2.7	14.9	9.2	.5
10	97.4	3.9	6.2	14.0	15.0	1.2	2.2
13	85.1	7.3	10.7	12.4	7.6	1.1	12.5
16	85.1	5.4	6.8	7.3	.8	.6	12.2
19	90.9	.8	1.1	.8	1.1	.5	8.3
22	98.8	.5	.2	1.0	.5	2.7	1.2

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.9	1.5	2.0	1.7	2.2	7.7	3.8
4	96.9	1.0	1.5	1.5	1.2	11.6	2.2
7	96.4	1.0	1.2	.7	7.5	8.7	3.0
10	97.8	2.0	3.9	7.4	11.8	3.4	2.2
13	91.6	6.3	6.8	10.5	9.4	2.9	7.9
16	87.1	4.4	6.9	6.9	2.8	2.2	10.7
19	89.4	3.5	3.8	1.6	2.7	2.4	8.4
22	95.7	2.5	2.0	2.5	1.8	1.5	3.3

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

JULY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	54.8	87.4	75.6	70.2	80.7	86.6	89.5	90.3	92.9	77.7	65.5
4	45.6	91.9	91.9	86.4	90.9	89.4	90.9	93.9	77.3	68.7	55.1
7	66.1	91.6	91.3	93.0	92.7	90.2	92.7	74.6	66.9	53.3	76.3
10	75.3	94.2	93.0	92.7	90.2	90.2	73.7	64.8	52.6	73.7	82.3
13	80.0	95.4	93.1	90.5	91.1	72.6	63.7	52.4	72.6	81.3	85.0
16	79.5	95.9	95.9	95.1	75.1	64.3	51.6	73.9	81.7	86.1	87.2
19	82.9	91.7	80.0	74.4	63.6	51.7	73.1	79.2	84.4	86.1	89.2
22	62.7	89.7	81.2	75.7	61.4	81.6	86.0	90.8	90.8	93.0	79.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	45.2	11.7	15.3	15.8	48.5	61.7	68.4	66.3	70.9	44.4	43.4
4	54.4	29.8	54.2	49.2	62.3	72.0	69.9	73.7	50.4	44.5	38.1
7	33.9	11.6	29.3	40.8	55.1	58.5	63.9	39.5	33.3	31.3	49.7
10	24.7	27.1	42.1	41.1	46.7	60.7	29.0	27.1	25.2	47.7	55.1
13	20.0	23.0	29.9	35.6	50.6	23.0	23.0	19.5	46.0	52.9	58.6
16	20.5	21.3	31.5	36.0	14.6	21.3	23.6	41.6	51.7	55.1	50.6
19	17.1	1.4	2.7	5.4	16.2	17.6	39.2	58.1	56.8	48.6	55.4
22	37.3	9.3	14.2	21.6	19.8	43.2	58.0	61.1	61.1	67.3	35.2

JULY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	.0	33.3	.0	66.7	.0
4	1.2	60.0	20.0	20.0	20.0	20.0	.0
7	.7	100.0	100.0	33.3	.0	.0	.0
10	2.5	63.6	54.5	45.5	27.3	9.1	36.4
13	5.5	62.5	20.8	37.5	4.2	.0	12.5
16	6.2	29.6	14.8	7.4	3.7	7.4	11.1
19	2.3	40.0	10.0	.0	10.0	.0	10.0
22	1.2	.0	.0	20.0	20.0	20.0	.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	100.0	100.0	100.0	75.0	25.0	25.0
4	1.2	80.0	80.0	60.0	60.0	40.0	40.0
7	.9	100.0	100.0	100.0	50.0	75.0	25.0
10	.9	100.0	75.0	50.0	75.0	50.0	25.0
13	.7	100.0	100.0	100.0	66.7	66.7	.0
16	1.2	80.0	80.0	80.0	40.0	40.0	.0
19	1.2	60.0	60.0	40.0	40.0	20.0	.0
22	.7	66.7	66.7	66.7	100.0	33.3	33.3

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	54.6	86.5	75.5	69.2	80.6	89.5	65.8
4	44.5	92.2	92.2	87.0	90.7	88.6	53.9
7	65.7	91.9	91.6	93.3	92.6	92.3	76.1
10	74.9	94.4	92.9	92.0	88.3	73.2	81.8
13	78.1	95.0	93.2	90.0	91.4	63.7	83.5
16	76.7	95.8	96.1	94.9	75.1	51.7	86.8
19	82.5	91.6	79.9	74.3	63.7	72.9	88.5
22	62.2	90.4	81.4	75.9	60.0	85.9	79.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	33.2	76.4	63.9	53.5	61.8	67.4	47.9
4	23.0	90.0	84.0	80.0	77.0	88.0	34.0
7	38.7	95.1	81.0	76.2	75.6	82.1	53.6
10	42.4	91.8	86.4	83.7	80.4	58.7	57.1
13	49.8	91.2	88.9	87.5	83.8	46.8	62.0
16	60.1	95.4	92.3	90.0	61.7	33.7	75.9
19	66.4	90.3	74.3	62.2	43.8	52.1	81.9
22	43.3	79.8	65.2	56.4	39.4	57.4	61.7

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	25.0	25.0	.0	.0	.0
4	1.2	60.0	40.0	20.0	20.0	20.0	.0
7	1.8	50.0	25.0	12.5	12.5	.0	12.5
10	.5	100.0	100.0	100.0	.0	.0	.0
13	1.8	25.0	12.5	12.5	.0	.0	12.5
16	3.9	35.3	29.4	5.9	5.9	.0	11.8
19	1.4	66.7	16.7	16.7	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	.0	.0	.0	.0	.0
4	.7	66.7	.0	.0	.0	33.3	.0
7	.5	100.0	.0	.0	.0	.0	.0
10	1.6	100.0	71.4	71.4	57.1	.0	.0
13	15.7	77.9	61.8	50.0	17.6	.0	35.3
16	25.8	72.3	46.4	23.2	4.5	.9	44.6
19	10.6	45.7	34.8	15.2	.0	.0	26.1
22	2.8	50.0	9.1	.0	.0	8.3	8.3

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	50.0	25.0	25.0	25.0	.0
4	.9	75.0	50.0	25.0	25.0	75.0	.0
7	1.6	28.6	28.6	28.6	14.3	14.3	.0
10	2.3	20.0	30.0	40.0	30.0	10.0	.0
13	5.5	50.0	29.2	33.3	20.8	4.2	20.8
16	11.3	51.0	51.0	36.7	8.2	4.1	22.4
19	9.7	57.1	23.8	9.5	2.4	.0	19.0
22	3.2	21.4	15.4	7.1	7.1	14.3	7.1

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

JULY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	.0	.9	.7	5.1	.7
4	98.8	.0	.0	.5	2.3	6.1	1.2
7	99.3	1.9	3.0	2.3	5.6	2.3	.7
10	97.5	3.8	5.4	4.5	5.7	.9	1.7
13	94.5	4.2	5.1	4.4	2.2	.7	5.1
16	93.8	3.7	3.4	2.0	1.0	.7	5.7
19	97.7	.7	.7	1.2	.5	.7	2.4
22	98.8	.5	.5	.5	.9	2.3	1.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.0	.2	.2	.2	.5	.5
4	98.8	.0	.0	.2	.2	.7	.5
7	99.1	.2	.2	.0	.2	.5	.5
10	99.1	.0	.2	.2	.5	.2	.5
13	99.3	.0	.2	.5	.7	.2	.5
16	98.8	.2	.0	.2	.2	.5	.9
19	98.8	.0	.0	.2	.2	.5	.9
22	99.3	.2	.2	.2	.2	.5	.2

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	45.4	11.2	14.2	14.7	47.7	64.5	42.6
4	55.5	28.7	51.0	48.5	62.2	67.2	37.3
7	34.3	11.4	28.2	39.6	50.3	63.8	49.0
10	25.1	24.8	40.4	36.7	42.2	29.4	55.0
13	21.9	20.0	26.3	29.5	50.5	25.3	57.9
16	23.3	22.8	32.7	41.6	19.8	21.8	45.5
19	17.5	2.6	3.9	5.3	15.8	38.2	56.6
22	37.8	9.1	13.4	21.3	19.5	57.3	35.4

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	56.8	4.8	7.2	7.9	27.2	41.0	25.9
4	77.0	13.2	25.1	26.3	32.0	51.8	20.1
7	61.3	6.4	14.7	21.1	33.5	56.4	30.8
10	57.6	10.0	20.8	24.8	45.2	32.0	32.8
13	50.2	14.3	25.3	33.0	49.1	19.7	39.9
16	39.9	13.3	23.7	33.6	15.6	7.5	38.2
19	33.6	2.7	4.8	6.2	12.3	15.1	37.0
22	56.7	5.3	8.9	15.4	11.0	32.1	29.7

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.7	.2	.9	1.9	1.9	.7
4	98.8	1.4	3.7	1.6	.2	3.7	.9
7	98.2	.5	.2	.2	1.6	1.4	1.6
10	99.5	.5	.9	1.4	3.7	.2	.5
13	98.2	1.6	2.1	3.8	1.4	.7	1.6
16	96.1	2.4	3.4	1.2	.0	1.0	3.8
19	98.6	.9	1.2	.0	.7	1.9	1.4
22	99.8	.9	.5	.7	.9	.5	.5

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.2	.5	.7	.5	15.7	.2
4	99.3	.0	.2	.5	1.6	25.8	.7
7	99.5	.2	.2	1.6	15.7	10.6	.5
10	98.4	3.8	8.9	14.8	25.3	2.8	1.6
13	84.3	9.6	17.8	21.3	9.3	.3	12.6
16	74.2	4.7	9.0	6.2	2.2	.6	20.5
19	89.4	1.3	2.1	1.3	.3	.5	8.8
22	97.2	.5	.2	.2	.7	1.4	2.6

CRITERIA SEVEN PRECIPITATION

HOUR	PROB..	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.2	.9	.7	1.4	5.3	.7
4	99.1	1.2	1.2	1.4	2.1	10.7	.9
7	98.4	.9	.9	1.9	5.4	9.6	1.4
10	97.7	2.4	3.3	4.7	10.8	3.1	2.4
13	94.5	5.1	6.4	10.0	9.0	.5	4.6
16	88.7	6.5	8.8	6.2	2.6	.5	10.9
19	90.3	3.1	3.6	2.6	.5	1.5	8.9
22	96.8	2.1	1.9	.5	.7	1.9	3.1

AUGUST

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	54.2	82.0	73.8	70.8	79.8	83.7	85.0	88.4	88.8	75.5	64.9
4	48.4	82.7	88.4	79.3	82.7	85.1	86.1	87.0	72.1	64.4	58.5
7	67.0	88.5	86.8	85.1	87.2	87.5	87.8	73.3	60.6	53.2	72.2
10	71.6	96.1	93.5	89.9	87.7	88.0	69.5	61.0	53.8	72.8	78.7
13	76.3	94.8	93.0	91.5	89.0	68.9	60.2	52.8	72.5	78.1	82.1
16	78.4	95.3	92.9	92.3	72.1	61.3	52.9	72.1	76.9	82.0	83.8
19	79.5	87.4	78.3	74.0	63.3	53.0	70.7	74.3	81.7	83.4	85.2
22	61.9	89.1	82.1	74.8	62.2	76.0	79.0	84.7	85.5	85.9	70.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	45.8	16.8	20.8	21.8	51.8	57.4	66.0	66.5	68.5	45.7	40.0
4	51.6	18.9	56.8	55.4	61.3	68.0	71.2	72.5	52.3	43.4	38.9
7	33.0	17.6	33.8	44.4	54.2	59.9	62.7	38.7	39.4	38.7	53.5
10	28.4	26.2	36.1	41.8	54.9	58.2	42.6	34.7	34.7	48.8	50.4
13	23.7	21.6	35.3	36.3	49.0	39.2	32.4	34.3	45.1	47.1	55.9
16	21.6	16.1	24.7	33.3	24.7	25.8	32.3	44.1	48.4	53.8	53.8
19	20.5	3.4	9.1	14.8	15.9	30.7	47.7	56.8	53.4	53.4	54.5
22	38.1	10.4	16.7	19.5	26.2	50.0	57.3	61.6	64.0	67.7	47.0

AUGUST

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	33.3	33.3	.0	66.7	.0
4	.5	100.0	50.0	50.0	100.0	100.0	.0
7	1.4	33.3	33.3	33.3	50.0	.0	.0
10	4.2	55.6	44.4	61.1	16.7	11.1	11.1
13	6.7	41.4	41.4	20.7	6.9	3.6	17.9
16	6.3	33.3	18.5	3.7	7.4	3.7	14.8
19	1.6	42.9	28.6	14.3	.0	.0	.0
22	1.6	28.6	14.3	.0	.0	14.3	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	80.0	60.0	60.0	40.0	20.0	20.0
4	1.2	80.0	75.0	80.0	80.0	40.0	20.0
7	1.2	80.0	80.0	80.0	60.0	40.0	.0
10	.9	100.0	75.0	75.0	50.0	25.0	.0
13	.9	100.0	100.0	75.0	75.0	50.0	25.0
16	.7	100.0	100.0	100.0	66.7	66.7	33.3
19	1.2	60.0	80.0	60.0	60.0	20.0	20.0
22	.7	100.0	100.0	100.0	66.7	33.3	33.3

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	53.7	81.8	73.2	70.6	80.1	84.0	64.6
4	45.6	83.7	87.8	82.1	83.7	87.8	57.5
7	66.0	88.7	87.0	84.2	85.9	87.7	71.8
10	70.7	95.4	92.4	88.5	86.5	68.1	77.4
13	74.7	95.0	92.2	90.3	89.1	60.3	82.0
16	76.7	94.8	93.3	93.0	72.1	51.5	84.0
19	79.1	87.3	77.6	73.5	62.8	70.2	85.1
22	60.9	88.9	81.4	74.4	60.9	77.9	69.4

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	30.5	74.0	58.8	49.6	61.1	61.8	43.4
4	20.7	80.9	77.5	67.4	67.4	77.5	28.4
7	34.4	79.7	68.9	65.5	65.5	78.4	42.1
10	39.8	88.9	83.6	77.8	77.8	55.6	53.8
13	46.0	92.4	90.4	88.9	82.8	40.5	54.9
16	55.3	95.0	92.4	87.4	61.8	26.9	72.5
19	61.4	85.9	71.1	64.4	41.9	42.7	75.8
22	42.3	75.3	61.2	55.1	35.4	52.8	61.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	20.0	20.0	20.0	20.0	.0	.0
4	3.0	61.5	61.5	15.4	.0	.0	15.4
7	2.8	50.0	25.0	8.3	8.3	.0	8.3
10	.5	50.0	50.0	50.0	50.0	.0	.0
13	1.6	28.6	42.9	14.3	.0	.0	.0
16	3.7	37.5	18.8	18.8	6.3	.0	7.1
19	1.4	50.0	33.3	16.7	.0	.0	.0
22	.5	100.0	50.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	33.3	16.7	.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	2.6	90.9	72.7	63.6	18.2	.0	30.0
13	12.8	74.5	56.4	34.5	3.6	1.9	22.2
16	17.7	67.1	39.5	10.5	1.3	1.3	30.7
19	5.1	50.0	22.7	9.1	4.5	4.5	13.6
22	1.4	50.0	33.3	16.7	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	50.0	20.0	30.0	20.0	10.0	.0
4	1.2	20.0	20.0	40.0	.0	40.0	.0
7	1.4	33.3	33.3	16.7	.0	.0	16.7
10	1.9	25.0	25.0	25.0	12.5	12.5	.0
13	5.6	54.2	41.7	37.5	12.5	4.2	4.2
16	12.3	54.7	45.3	28.3	5.7	3.9	21.6
19	7.0	53.3	20.0	20.0	3.3	3.3	23.3
22	2.1	33.3	37.5	12.5	.0	.0	12.5

AUGUST

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.7	.7	.2	1.4	6.3	.7
4	99.5	.0	.0	1.2	3.7	5.8	.2
7	98.6	2.6	3.3	3.8	6.1	1.7	1.2
10	95.8	2.4	3.6	4.4	5.8	1.2	3.9
13	93.3	4.0	7.0	5.2	1.2	.5	6.3
16	93.7	2.2	2.5	1.5	1.2	.0	5.0
19	98.4	2.4	1.9	1.4	.7	1.2	1.4
22	98.4	.2	.7	.7	.2	4.1	1.4

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.5	.5	.5	.7	.7	.7
4	98.8	.0	.0	.2	.0	.2	1.0
7	98.3	.0	.0	.0	.2	.7	1.2
10	99.1	.0	.2	.2	.2	.5	.9
13	99.1	.0	.0	.0	.5	.5	.7
16	99.3	.0	.0	.5	.2	.7	.5
19	99.8	.0	.0	.0	.2	1.0	1.0
22	99.3	.0	.0	.2	.7	.7	.5

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	46.3	13.6	18.1	16.6	49.7	63.8	39.6
4	54.4	17.5	53.6	52.6	59.8	67.5	35.6
7	34.0	17.8	34.2	44.5	52.7	62.3	52.1
10	29.3	26.2	37.3	41.3	53.2	43.7	51.2
13	25.3	18.3	30.3	36.7	49.5	32.1	50.5
16	23.3	16.0	26.0	33.0	24.0	26 0	48.0
19	20.9	3.3	7.8	13.3	16.7	45.6	53.3
22	39.1	10.1	15.7	20.2	22.0	57.1	46.4

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	69.5	5.0	5.0	8.0	22.7	39.1	24.9
4	79.3	7.0	21.5	25.8	32.6	49.6	19.5
7	65.6	11.3	18.4	26.2	35.8	52.5	29.2
10	60.2	13.1	17.4	25.1	40.5	33.6	28.8
13	54.0	14.2	24.1	26.7	43.1	22.1	36.4
16	44.7	12.5	24.5	29.2	18.2	14.6	31.8
19	38.6	5.4	6.0	7.2	12.7	19.3	36.7
22	57.7	6.0	9.8	12.9	11.3	28.6	29.4

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	1.2	1.4	2.8	2.6	1.6	.9
4	97.0	1.4	3.8	2.4	.5	3.8	2.4
7	97.2	.0	.0	.2	1.4	1.4	2.2
10	99.5	.9	.7	1.4	3.5	.5	.5
13	98.4	2.4	4.0	3.5	1.4	1.0	1.7
16	96.3	2.9	1.7	.7	.2	2.9	3.4
19	98.6	.5	.5	.2	1.0	2.4	1.4
22	99.5	.7	.5	.9	2.8	.5	.5

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.2	.2	.2	.2	13.0	1.4
4	99.8	.0	.0	.2	2.6	17.7	.2
7	99.8	.0	.0	2.6	12.8	5.1	.5
10	97.4	4.5	8.8	11.5	17.7	1.4	1.9
13	87.2	8.0	13.9	15.2	5.3	1.3	11.3
16	82.3	5.6	6.8	4.0	1.4	.0	13.1
19	94.9	1.0	1.0	1.0	1.2	.2	4.7
22	98.6	.2	1.0	1.2	.2	2.6	1.4

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.7	.2	.5	1.0	5.5	2.2
4	98.8	.9	.5	.9	1.9	12.0	1.0
7	98.6	.9	.9	1.7	5.7	7.1	1.2
10	98.1	3.1	3.8	5.2	12.3	1.9	2.1
13	94.4	5.4	9.1	10.8	6.7	2.0	5.7
16	87.7	5.3	5.6	4.0	1.6	.5	10.4
19	93.0	3.5	1.0	.8	2.0	1.3	5.8
22	97.9	1.2	1.7	1.9	1.0	2.2	2.2

SEPTEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	59.3	87.8	87.0	78.5	86.6	88.2	92.3	89.8	88.2	80.9	70.5
4	55.9	85.8	92.7	90.9	90.5	91.8	88.4	86.2	76.7	69.4	69.0
7	73.0	92.1	91.7	89.8	90.4	88.1	83.2	73.3	65.1	63.4	77.5
10	78.1	96.0	93.5	92.3	87.3	84.0	74.7	67.1	60.5	75.5	82.4
13	82.4	95.3	92.4	90.4	85.7	73.4	65.0	61.4	76.0	82.5	86.9
16	78.3	94.1	92.3	90.8	76.9	67.8	62.5	78.1	83.4	87.2	82.2
19	76.9	92.5	86.8	81.8	71.3	65.9	78.7	84.4	88.5	85.0	82.8
22	66.5	89.1	86.0	79.0	72.3	83.0	88.6	92.6	90.4	88.6	77.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	40.7	17.2	20.7	23.1	53.3	63.3	68.0	61.5	60.4	45.6	44.4
4	44.1	16.9	47.5	50.3	62.3	70.5	65.6	65.0	53.6	47.5	39.8
7	27.0	20.5	37.8	46.4	60.7	51.8	59.8	48.2	45.5	36.6	59.8
10	21.9	25.3	46.2	47.3	46.2	51.6	37.4	34.1	40.7	62.6	63.7
13	17.6	16.4	24.7	21.9	35.6	34.2	35.6	31.5	57.5	58.9	60.3
16	21.7	20.0	31.1	26.7	28.9	31.1	33.3	53.3	60.0	64.4	64.4
19	23.1	7.3	7.3	15.6	21.9	24.0	53.1	58.3	61.5	56.3	58.3
22	33.5	13.7	17.3	22.3	24.5	52.5	58.3	61.9	54.7	54.7	46.0

SEPTEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.7	78.1	71.9	59.4	56.3	62.5	33.3
4	5.8	70.8	66.7	66.7	79.2	62.5	28.6
7	6.0	88.0	88.0	80.0	80.0	52.0	47.8
10	10.8	86.7	77.8	73.3	57.8	44.4	37.2
13	17.1	67.6	56.3	53.5	38.0	30.4	42.0
16	14.0	67.2	58.6	50.0	51.7	26.8	33.9
19	10.8	64.4	75.6	62.2	47.6	38.1	35.7
22	10.1	78.6	76.9	61.5	41.0	56.4	41.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	91.7	91.7	75.0	66.7	41.7	16.7
4	2.7	100.0	90.9	90.9	63.6	36.4	18.2
7	3.4	85.7	85.7	64.3	64.3	42.9	7.1
10	3.1	92.3	84.6	76.9	46.2	46.2	15.4
13	3.4	71.4	64.3	64.3	64.3	35.7	14.3
16	3.1	100.0	92.3	92.3	84.6	33.3	16.7
19	4.1	100.0	100.0	82.4	56.3	43.8	12.5
22	4.1	94.1	75.0	62.5	50.0	37.5	18.8

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	57.1	86.5	85.2	76.4	84.4	90.7	67.2
4	52.3	84.8	91.2	89.4	92.2	89.4	66.4
7	69.4	92.0	91.7	91.0	89.9	81.6	74.6
10	76.1	94.6	92.1	90.8	85.8	70.9	80.1
13	79.0	94.2	92.4	88.4	83.5	63.8	83.6
16	75.7	93.3	92.0	88.9	74.2	59.5	79.3
19	74.0	90.6	83.4	79.5	70.5	76.8	80.1
22	62.2	88.4	85.8	79.1	71.9	86.6	74.7

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	38.8	78.9	69.6	65.8	70.8	76.4	56.3
4	31.8	81.1	83.3	84.8	80.3	84.8	45.0
7	43.9	91.2	83.5	82.4	78.6	74.2	55.3
10	49.4	89.3	84.4	81.0	82.0	65.4	57.7
13	54.2	88.4	86.2	83.6	80.0	54.5	68.6
16	58.6	94.6	90.9	86.0	66.7	45.4	69.7
19	58.8	85.2	78.7	74.2	57.7	60.3	72.8
22	46.0	85.9	77.7	71.3	57.4	70.7	65.4

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	75.0	62.5	50.0	37.5	12.5	.0
4	3.6	60.0	53.3	33.3	20.0	20.0	15.4
7	6.0	60.0	40.0	24.0	24.0	12.0	28.0
10	2.7	81.8	63.6	45.5	27.3	18.2	10.0
13	2.9	83.3	58.3	58.3	41.7	22.2	11.1
16	4.6	66.7	42.1	31.6	26.3	18.8	18.8
19	2.7	45.5	36.4	36.4	11.1	33.3	33.3
22	2.9	50.0	30.0	20.0	40.0	10.0	20.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	37.5	12.5	12.5	12.5	.0	.0
4	.7	100.0	.0	.0	33.3	33.3	.0
7	1.2	60.0	40.0	20.0	.0	.0	20.0
10	3.4	42.9	.0	.0	7.1	.0	21.4
13	4.6	78.9	42.1	15.8	15.8	.0	10.5
16	8.7	71.4	52.8	36.1	8.3	.0	25.0
19	7.5	58.1	35.5	22.6	12.9	3.2	22.6
22	2.4	60.0	50.0	30.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	60.0	20.0	35.0	20.0	30.0	15.0
4	6.3	69.2	34.6	23.1	30.8	19.2	8.7
7	4.6	84.2	68.4	73.7	57.9	36.8	11.8
10	6.5	66.7	66.7	48.1	40.7	18.5	16.7
13	9.9	51.2	39.0	36.6	29.3	15.4	20.5
16	11.8	47.9	36.7	32.7	18.4	19.1	19.1
19	9.2	57.9	47.4	31.6	8.3	19.4	19.4
22	8.0	63.6	38.7	32.3	25.8	16.1	12.9

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

SEPTEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.3	1.3	1.6	1.3	1.8	13.3	5.5
4	94.2	1.8	2.8	2.3	6.6	11.0	4.4
7	94.0	4.4	5.9	6.4	13.1	8.2	3.6
10	89.2	6.8	7.8	10.3	8.6	5.9	7.6
13	82.9	5.2	6.1	5.8	5.2	2.9	11.7
16	86.0	3.4	3.6	4.5	3.4	2.3	11.9
19	89.2	3.2	5.4	3.8	3.0	2.4	8.2
22	89.9	1.3	1.1	1.9	1.9	5.9	7.3

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	.2	.7	.5	1.5	2.2	2.5
4	97.3	.7	.7	1.0	1.5	2.2	2.0
7	96.6	.2	.5	1.0	1.2	2.7	3.0
10	96.9	.7	.7	1.0	1.7	2.7	2.8
13	96.6	.7	1.2	1.0	2.0	1.8	3.0
16	96.9	.5	1.2	1.2	1.5	1.5	2.8
19	95.9	.5	.8	.8	.8	1.5	3.8
22	95.9	.0	.3	.5	.5	1.8	3.6

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	42.9	15.7	19.7	20.2	49.4	63.5	44.4
4	47.7	14.6	42.4	47.5	58.6	60.6	37.2
7	30.6	18.1	34.1	42.5	54.3	56.7	56.7
10	23.9	20.2	42.4	41.4	43.4	34.3	64.6
13	21.0	19.5	27.6	27.6	37.9	33.3	60.9
16	24.3	17.8	31.7	27.7	24.8	30.7	63.4
19	26.0	7.4	6.5	13.0	20.4	47.2	56.5
22	37.8	14.6	19.1	22.3	21.0	59.9	42.7

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	61.2	5.5	9.1	10.2	26.8	40.2	27.0
4	68.2	6.4	18.7	24.7	35.0	46.3	24.9
7	56.1	13.7	18.1	23.6	35.2	46.8	32.5
10	50.6	10.0	19.0	28.1	35.7	27.1	42.1
13	45.8	10.5	22.6	28.9	33.7	19.5	37.9
16	41.4	10.5	18.6	20.3	16.9	11.6	43.6
19	41.2	5.8	8.2	5.8	11.1	17.5	39.2
22	54.0	5.4	8.6	10.4	9.0	32.0	28.8

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	2.0	.5	2.7	5.4	2.7	2.0
4	96.4	3.2	6.0	5.0	2.0	4.0	3.0
7	94.0	1.3	2.1	1.3	1.5	2.1	4.4
10	97.3	1.2	1.0	1.7	4.0	2.5	2.2
13	97.1	3.0	1.7	3.0	1.5	1.5	2.5
16	95.4	1.3	2.0	1.3	1.8	2.8	3.8
19	97.3	1.2	1.2	2.0	1.7	5.2	2.2
22	97.1	1.0	.5	1.5	2.5	2.2	2.2

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	.2	.2	.5	1.0	4.7	2.0
4	99.3	.5	.7	1.2	3.2	8.5	.7
7	98.8	.5	2.7	3.2	4.6	7.6	.7
10	96.6	.7	3.5	4.7	8.7	2.5	2.8
13	95.4	4.8	6.3	8.3	7.1	2.0	4.3
16	91.3	.8	3.4	4.7	1.8	.8	7.8
19	92.5	1.0	.8	.8	1.1	.8	6.9
22	97.6	.5	.5	1.3	.8	3.5	2.5

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	4.6	3.5	4.8	3.8	8.9	4.6
4	93.7	3.9	3.3	3.3	4.9	11.3	5.9
7	95.4	1.8	4.6	3.3	7.6	7.8	3.8
10	93.5	3.9	3.9	7.2	9.8	7.2	5.4
13	90.1	5.6	4.5	9.1	7.0	4.0	8.6
16	88.2	4.9	8.2	6.0	6.6	4.4	11.0
19	90.8	3.4	4.8	5.6	4.8	2.7	8.3
22	92.0	3.1	2.4	2.9	4.5	5.3	7.4

OCTOBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	62.9	91.5	89.3	85.9	87.4	85.2	88.1	84.8	82.6	73.3	69.0
4	65.7	87.6	89.4	90.1	84.8	88.3	84.0	82.3	73.4	68.3	70.5
7	74.1	89.9	87.7	86.8	89.6	85.2	83.6	74.2	69.7	73.6	80.9
10	73.0	94.9	93.0	93.9	86.9	85.6	73.2	70.9	72.8	80.9	79.9
13	79.3	94.7	92.9	88.2	86.5	74.4	71.4	72.0	79.8	80.4	84.2
16	74.3	94.3	92.1	88.7	78.0	73.6	75.2	81.5	81.8	84.1	79.0
19	73.9	89.9	83.9	81.4	75.1	76.4	83.1	81.5	86.9	80.8	79.9
22	66.2	89.4	86.0	81.7	81.0	86.4	84.6	88.9	83.9	80.6	74.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBA. ILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	37.1	22.0	28.9	31.4	51.6	52.2	64.2	56.3	59.1	54.1	52.6
4	34.3	19.0	30.6	43.5	50.3	61.9	55.8	57.8	52.4	52.7	59.6
7	25.9	17.1	23.4	33.3	49.5	43.2	45.9	43.2	43.6	47.3	57.3
10	27.0	16.4	29.6	39.7	40.5	42.2	47.4	41.7	50.4	58.3	56.5
13	20.7	10.1	20.2	21.3	25.8	34.8	30.7	46.6	55.7	47.7	59.1
16	25.7	20.9	31.8	31.8	32.7	33.0	42.2	55.0	49.5	64.2	59.3
19	26.1	15.2	19.6	23.2	28.8	39.6	51.4	51.4	56.8	54.5	55.9
22	33.8	15.2	24.1	26.9	39.3	52.4	52.4	60.0	54.9	60.0	49.0

OCTOBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	12.6	70.4	72.2	64.8	68.5	70.4	44.4
4	11.0	72.3	72.3	78.7	78.7	66.0	38.3
7	14.5	83.9	87.1	75.8	79.0	56.5	40.3
10	20.0	81.4	83.7	82.6	69.4	51.2	54.1
13	23.5	82.2	72.3	65.0	53.5	40.6	45.5
16	20.1	74.4	61.6	60.5	57.0	41.9	50.0
19	15.6	86.6	80.6	77.6	64.2	55.2	37.3
22	17.0	75.3	64.8	63.4	56.3	59.2	40.8

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	11.7	100.0	94.0	90.0	82.0	64.0	42.0
4	11.7	98.0	96.0	92.0	80.0	66.0	44.0
7	12.4	96.2	84.9	79.2	69.8	58.5	39.6
10	11.4	93.9	87.8	83.7	77.6	69.4	46.9
13	12.1	94.2	92.3	92.3	86.5	71.2	46.2
16	12.1	94.2	92.3	92.3	88.5	73.1	50.0
19	13.1	92.9	91.1	89.3	76.8	67.9	46.4
22	13.3	93.0	89.5	84.2	78.9	64.9	52.6

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	51.5	88.2	85.5	83.3	84.2	82.8	63.0
4	55.9	83.7	84.6	85.4	80.0	80.8	64.8
7	64.1	88.7	85.8	84.0	84.0	80.0	73.8
10	62.9	93.3	90.7	89.6	83.3	64.8	71.4
13	68.1	91.4	89.7	82.8	80.8	64.6	76.4
16	64.0	93.8	90.1	85.0	69.7	69.3	74.8
19	63.4	85.3	77.9	75.0	66.8	76.9	73.1
22	54.5	85.9	80.4	74.8	75.2	78.3	66.1

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	37.5	81.4	77.6	73.3	70.2	70.2	50.9
4	37.8	81.5	77.2	76.5	71.6	68.3	49.4
7	47.1	87.1	78.7	76.2	72.8	69.3	61.6
10	46.2	87.4	84.3	79.3	77.8	55.6	58.8
13	47.1	92.6	84.7	82.6	78.7	54.5	59.1
16	48.4	92.3	87.9	82.1	59.9	53.7	63.1
19	48.0	85.4	70.4	65.5	61.4	66.3	60.9
22	38.7	83.1	72.2	66.0	66.0	67.9	54.9

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.5	60.0	53.3	33.3	40.0	.0	7.1
4	4.2	72.2	66.7	38.9	5.6	11.1	11.1
7	5.4	52.2	30.4	34.8	13.0	8.7	18.2
10	3.0	53.8	46.2	23.1	30.8	7.7	16.7
13	1.6	57.1	42.9	42.9	28.6	16.7	.0
16	2.6	54.5	45.5	27.3	9.1	20.0	10.0
19	1.9	75.0	62.5	25.0	28.6	14.3	.0
22	1.2	60.0	40.0	80.0	20.0	40.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	.0	.0	33.3	.0	.0
4	.5	50.0	.0	.0	.0	.0	.0
7	.5	100.0	50.0	.0	.0	.0	.0
10	.5	50.0	100.0	50.0	50.0	50.0	.0
13	2.1	55.6	55.6	33.3	11.1	11.1	.0
16	2.3	50.0	30.0	20.0	10.0	.0	.0
19	2.6	54.5	9.1	.0	9.1	.0	.0
22	.5	100.0	50.0	50.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.8	24.0	28.0	20.0	28.0	12.0	4.2
4	4.9	47.6	38.1	33.3	23.8	42.9	9.5
7	5.1	54.5	63.6	50.0	22.7	31.8	4.8
10	5.6	41.7	29.2	25.0	45.8	12.5	13.0
13	5.6	54.2	62.5	45.8	25.0	16.7	4.2
16	8.9	65.8	42.1	31.6	23.7	16.7	16.7
19	7.0	60.0	40.0	23.3	33.3	11.1	18.5
22	5.1	59.1	42.9	52.4	23.8	28.6	9.5

OCTOBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	87.4	2.4	2.9	3.2	6.7	16.8	8.4
4	89.0	4.2	5.5	6.5	12.8	14.4	8.0
7	85.5	4.9	7.9	10.6	14.2	8.7	9.9
10	80.0	5.0	7.0	8.7	7.9	8.5	10.9
13	76.5	4.9	5.2	6.4	4.0	4.3	15.7
16	79.9	2.9	3.5	4.4	7.0	3.6	11.3
19	84.4	5.2	5.0	5.8	3.4	6.7	11.2
22	83.0	3.7	3.1	2.8	2.3	11.6	11.6

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	88.3	1.1	1.1	1.3	3.2	5.3	8.8
4	88.3	.5	1.1	1.8	2.4	5.0	8.6
7	87.6	.8	1.3	1.9	4.0	6.6	9.7
10	88.6	1.1	1.8	2.9	3.7	6.1	7.7
13	87.9	.8	1.3	1.1	2.9	4.3	8.1
16	87.9	1.1	1.6	2.1	2.9	4.3	7.8
19	86.9	.3	1.1	1.9	2.7	5.2	9.2
22	86.7	.5	.5	1.4	2.5	4.1	8.4

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	48.5	18.3	23.6	26.9	42.8	52.4	39.0
4	44.1	15.3	28.0	37.0	41.3	42.9	45.2
7	35.9	14.3	17.5	25.3	39.6	33.8	47.1
10	37.1	15.1	22.2	31.4	31.4	37.1	48.7
13	31.9	10.2	20.4	24.1	26.3	23.5	47.8
16	36.0	18.8	28.6	25.3	27.9	32.7	44.1
19	36.6	12.1	18.5	19.1	25.0	42.3	44.9
22	45.5	14.4	20.6	23.7	33.5	44.8	38.1

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	62.5	9.7	16.4	16.4	33.2	33.2	30.2
4	62.2	9.0	21.0	29.2	30.7	36.3	30.7
7	52.9	9.7	15.4	19.4	24.2	29.1	35.8
10	53.8	11.3	16.1	19.5	23.0	24.2	35.2
13	52.9	8.8	13.2	18.1	20.7	23.5	35.0
16	51.6	11.8	15.4	16.3	19.0	22.7	33.8
19	52.0	8.5	12.6	13.9	16.7	31.1	35.6
22	61.3	7.2	13.4	20.6	20.2	32.4	27.1

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.5	2.7	2.4	3.1	4.1	1.7	3.7
4	95.8	2.9	2.2	3.9	2.9	2.2	4.4
7	94.6	1.5	1.2	1.2	1.0	1.5	5.2
10	97.0	.2	.2	1.0	1.7	1.0	2.7
13	98.4	1.7	1.9	1.9	1.4	3.6	1.7
16	97.4	1.9	1.9	1.2	1.0	4.4	2.4
19	98.1	1.0	.7	.7	3.4	5.8	1.7
22	98.8	.5	1.2	2.9	4.5	2.6	1.4

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	1.2	.5	.2	2.1	.7
4	99.5	.2	.2	.5	.5	2.3	.5
7	99.5	.0	.5	.5	2.1	2.8	.5
10	99.5	1.2	1.6	1.9	2.1	.2	.5
13	97.9	.7	1.9	1.7	2.4	.5	1.9
16	97.7	1.4	2.4	2.2	.2	.5	1.9
19	97.4	.2	.5	.5	.5	.5	1.9
22	99.5	.5	.5	.5	.5	.5	.5

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.2	2.5	3.5	4.0	3.7	5.2	6.3
4	95.1	2.2	3.2	3.7	4.7	7.1	4.7
7	94.9	2.7	3.2	3.2	4.7	5.7	5.2
10	94.4	2.7	3.2	4.4	6.7	4.7	5.2
13	94.4	4.0	4.0	6.7	5.9	5.5	5.7
16	91.1	3.1	4.6	4.6	3.3	3.9	7.8
19	93.0	4.3	2.0	3.8	4.3	4.8	5.8
22	94.9	2.7	2.5	3.7	4.0	4.5	5.0

NOVEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	60.2	90.9	86.2	81.4	83.8	81.8	83.4	77.1	72.3	65.6	68.4
4	63.3	92.5	88.0	91.7	82.0	83.8	76.7	69.5	62.4	67.7	68.8
7	74.5	88.5	84.6	84.2	83.3	75.6	70.2	61.9	66.0	68.9	78.5
10	70.4	93.2	92.5	91.2	82.7	74.2	66.8	69.8	71.2	78.9	76.9
13	73.3	93.8	89.3	85.4	75.0	68.2	70.1	72.4	80.1	77.5	78.6
16	69.5	92.8	89.0	83.9	72.9	69.9	72.9	81.1	78.8	79.1	75.3
19	64.3	90.7	84.8	82.2	75.2	72.6	81.0	77.4	78.1	75.6	67.4
22	58.6	88.6	84.1	82.5	78.0	82.1	80.9	82.1	76.8	68.7	61.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	39.8	17.4	30.5	35.9	60.2	53.0	58.1	58.1	52.1	47.9	47.9
4	36.7	14.3	24.0	44.4	50.3	55.2	57.1	55.2	51.9	47.4	52.6
7	25.5	13.1	30.8	30.8	44.9	52.3	47.7	49.5	43.9	45.8	62.6
10	29.6	15.3	21.0	30.6	38.7	41.1	39.5	37.9	42.7	63.7	52.8
13	26.7	17.0	24.1	25.9	34.8	32.1	33.0	36.6	58.9	48.2	58.9
16	30.5	13.3	27.3	19.5	25.8	38.3	39.8	59.4	48.8	60.2	57.8
19	35.7	11.3	15.3	16.0	33.3	45.3	62.7	55.7	64.7	60.0	59.3
22	41.4	14.9	25.0	28.7	41.4	63.6	53.8	60.9	60.3	58.6	54.0

NOVEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.1	76.7	60.0	50.0	56.7	56.7	30.0
4	5.5	82.6	78.3	65.2	82.6	52.2	34.8
7	7.6	81.3	90.6	84.4	65.6	46.9	31.3
10	13.6	78.9	75.0	66.7	43.9	22.8	33.3
13	14.5	80.3	73.8	44.3	27.9	24.6	29.5
16	9.5	65.0	60.0	52.5	35.0	22.5	25.0
19	6.4	74.1	69.2	63.0	48.1	48.1	37.0
22	7.1	70.0	56.7	50.0	43.3	66.7	26.7

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	15.7	97.0	95.5	95.5	87.9	71.2	51.5
4	17.1	95.8	93.1	91.7	83.3	68.1	48.6
7	18.1	96.1	90.8	89.5	78.9	68.4	49.3
10	17.2	93.1	93.0	88.9	81.9	69.4	47.2
13	16.7	90.0	87.1	85.7	78.6	64.3	47.1
16	17.4	95.9	91.8	91.8	83.6	67.1	43.8
19	17.6	97.3	94.5	90.5	75.7	63.0	41.9
22	16.9	91.5	85.7	83.1	77.5	63.4	42.3

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	48.8	85.9	80.5	73.7	75.6	71.7	56.6
4	49.5	84.6	79.3	84.6	71.2	70.7	55.3
7	62.3	87.4	80.5	79.2	78.5	64.0	69.3
10	58.7	91.1	89.0	87.0	79.3	56.9	66.3
13	60.7	91.8	85.9	85.1	72.2	60.8	67.5
16	61.2	91.1	84.4	77.8	62.6	61.1	67.7
19	53.8	85.4	78.2	73.5	66.8	73.5	60.6
22	45.7	88.5	81.3	78.6	68.8	71.4	51.6

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	36.0	80.1	73.5	67.5	68.2	60.3	47.0
4	35.5	84.6	78.5	75.8	65.8	61.7	42.3
7	43.0	86.7	79.4	74.3	70.6	52.8	52.8
10	41.3	86.1	80.9	79.8	69.9	48.6	53.2
13	43.6	86.9	79.8	76.0	64.5	51.4	50.8
16	42.1	90.4	80.8	77.4	59.9	53.7	50.8
19	40.5	86.5	75.9	68.8	59.4	57.1	51.8
22	34.3	81.3	76.4	71.5	61.8	57.6	41.7

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	80.0	52.0	48.0	32.0	4.0	16.0
4	9.5	85.0	67.5	52.5	10.0	7.5	20.0
7	13.1	47.3	27.3	14.5	1.8	5.5	20.0
10	2.6	63.6	18.2	18.2	27.3	9.1	9.1
13	1.4	50.0	66.7	16.7	16.7	16.7	.0
16	1.4	100.0	66.7	66.7	.0	33.3	16.7
19	1.7	57.1	42.9	.0	42.9	28.6	14.3
22	2.1	66.7	66.7	55.6	44.4	.0	.0

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	100.0	100.0	.0	.0
4	.2	100.0	100.0	100.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	100.0	100.0	.0	.0
16	.5	100.0	100.0	100.0	100.0	.0	.0
19	.5	100.0	100.0	100.0	.0	.0	.0
22	.7	100.0	33.3	.0	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.5	69.6	47.8	39.1	13.0	13.0	8.7
4	4.0	41.2	23.5	11.8	17.6	11.8	5.9
7	4.1	41.2	17.6	5.9	11.8	17.6	5.9
10	4.1	29.4	35.3	23.5	23.5	5.9	.0
13	2.4	40.0	50.0	40.0	40.0	10.0	.0
16	2.9	75.0	75.0	66.7	16.7	16.7	16.7
19	4.5	47.4	31.6	21.1	15.8	10.5	10.5
22	2.9	66.7	25.0	33.3	16.7	16.7	.0

NOVEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.9	.5	1.5	2.1	3.9	11.3	5.1
4	94.5	2.8	3.3	4.3	9.6	7.1	4.0
7	92.4	2.8	5.7	7.8	10.3	3.1	5.7
10	86.4	4.4	5.0	6.4	4.1	4.7	11.1
13	85.5	3.6	3.1	3.6	2.8	3.9	12.3
16	90.5	1.3	1.3	1.6	4.2	3.9	8.4
19	93.6	1.5	2.8	3.3	4.1	4.8	4.6
22	92.9	2.3	2.3	3.6	2.8	10.0	5.9

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	84.3	.6	2.0	2.5	5.1	6.5	9.3
4	82.9	.6	1.7	2.9	3.5	6.9	10.6
7	81.9	.0	.6	1.2	2.9	6.4	11.1
10	82.8	.3	1.2	1.7	4.0	6.1	11.0
13	83.3	1.1	2.9	3.7	5.4	6.3	11.1
16	82.6	.6	1.4	2.0	2.9	6.6	11.5
19	82.4	.3	.9	1.2	3.2	8.4	11.8
22	83.1	.9	1.2	2.3	4.9	7.8	11.2

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	51.2	14.0	24.2	26.5	49.5	50.2	40.5
4	50.5	10.8	20.8	40.3	46.4	51.9	42.9
7	37.7	11.4	22.2	25.3	31.6	37.3	51.0
10	41.3	12.1	16.3	23.1	35.8	30.1	46.5
13	39.3	12.1	19.4	24.2	25.5	29.1	49.7
16	38.8	12.9	23.3	16.0	19.0	30.1	50.9
19	46.2	10.8	13.4	13.4	26.8	49.7	46.9
22	54.3	11.4	22.7	22.8	32.5	46.7	41.7

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	64.0	8.9	13.8	17.5	28.7	34.2	29.4
4	64.5	7.0	15.5	24.8	27.8	31.4	31.4
7	57.0	9.2	19.2	16.7	23.4	31.4	34.5
10	58.7	10.6	13.9	18.3	22.8	24.4	33.1
13	56.4	7.2	11.4	16.0	21.9	23.6	38.0
16	57.9	8.6	13.6	13.6	15.6	21.8	35.4
19	59.5	7.2	12.0	10.8	19.6	32.5	32.8
22	65.7	7.6	14.3	17.0	21.4	32.7	31.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	2.3	5.6	7.1	11.9	1.3	5.3
4	90.5	2.6	3.9	9.0	1.8	.8	8.2
7	86.9	1.4	1.6	.8	1.4	1.1	12.1
10	97.4	.2	.7	1.0	.7	2.0	2.5
13	98.6	1.2	1.2	1.2	1.4	5.8	1.4
16	98.6	1.0	1.4	.7	2.2	8.9	1.4
19	98.3	.5	1.0	2.2	5.3	12.9	1.7
22	97.9	.7	2.2	4.9	8.5	2.7	2.2

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.0	.2	.2
4	99.8	.0	.0	.0	.0	.5	.2
7	99.8	.0	.0	.0	.2	.5	.2
10	100.0	.0	.0	.2	.5	.7	.0
13	99.8	.0	.2	.2	.2	.2	.2
16	99.5	.2	.2	.0	.2	.2	.5
19	99.5	.0	.0	.2	.2	.2	.5
22	99.3	.0	.2	.2	.2	.0	.7

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.5	2.0	3.0	2.0	3.5	1.8	4.8
4	96.0	2.7	2.7	3.7	3.5	2.5	4.0
7	95.9	3.5	2.2	4.0	2.0	4.0	4.0
10	95.9	.7	1.3	1.5	2.0	2.7	4.5
13	97.6	2.7	3.4	2.0	3.7	4.9	2.4
16	97.1	2.7	3.7	2.7	2.5	3.7	2.7
19	95.5	1.5	1.0	2.0	4.5	3.8	4.5
22	97.1	2.9	3.0	4.2	3.7	3.9	3.2

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	60.6	91.6	85.9	81.4	85.2	77.6	77.6	76.4	72.2	66.9	66.9
4	60.4	89.7	87.0	88.5	78.2	78.2	75.6	71.8	66.4	66.0	67.6
7	74.8	91.7	87.0	82.7	80.9	76.5	71.6	66.0	64.5	65.4	78.7
10	65.9	92.0	90.2	87.4	83.6	78.3	68.9	67.1	66.1	77.6	72.0
13	68.9	94.3	89.6	86.3	80.3	71.9	69.6	66.2	79.9	74.6	73.9
16	66.8	94.8	90.0	86.6	77.9	74.5	70.3	81.7	74.8	77.6	72.4
19	63.1	90.5	85.8	82.1	77.0	73.4	82.8	75.9	77.7	73.0	70.1
22	60.1	88.9	86.6	82.4	75.9	83.5	75.1	77.0	73.6	72.0	67.4

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	39.4	16.4	24.6	28.1	58.8	48.0	55.6	52.0	49.1	49.7	49.7
4	39.6	16.9	29.2	53.8	47.1	54.7	53.5	50.0	50.6	51.2	48.3
7	25.2	8.3	14.7	16.5	33.9	37.6	38.5	43.1	46.8	44.0	63.0
10	34.1	22.3	28.4	33.1	34.5	33.8	43.2	46.6	48.0	68.7	56.1
13	31.1	16.4	18.5	23.7	25.2	34.1	39.3	45.9	62.7	48.9	57.8
16	33.2	15.3	18.1	16.0	24.3	31.3	38.9	60.1	50.0	51.4	56.3
19	36.9	13.1	17.5	22.5	31.3	36.9	60.4	50.6	53.7	56.9	52.5
22	39.9	13.9	21.5	26.6	35.8	61.0	53.8	56.6	57.2	50.9	50.9

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.1	54.5	45.5	63.6	45.5	54.5	9.1
4	4.1	50.0	50.0	55.6	77.8	44.4	16.7
7	3.9	76.5	58.8	82.4	76.5	23.5	11.8
10	9.7	76.2	64.3	64.3	28.6	26.2	21.4
13	11.8	68.6	54.9	35.3	19.6	5.9	13.7
16	6.7	44.8	48.3	34.5	27.6	20.7	20.7
19	4.4	89.5	68.4	63.2	31.6	36.8	10.5
22	5.3	73.9	73.9	52.2	39.1	60.9	21.7

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	16.4	94.4	93.0	91.5	87.3	64.8	38.0
4	16.6	93.1	94.4	91.7	80.6	62.5	38.9
7	18.0	92.3	87.2	79.5	67.9	51.3	42.3
10	15.2	90.9	87.9	83.3	74.2	53.0	31.8
13	15.9	91.3	88.4	82.6	68.1	53.6	30.4
16	15.4	94.0	86.6	82.1	73.1	62.7	41.8
19	16.8	93.2	87.7	82.2	72.6	67.1	43.8
22	15.9	95.7	91.3	88.4	85.5	69.6	43.5

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	48.6	89.1	79.1	69.7	78.2	71.1	58.3
4	46.3	84.6	82.6	87.1	76.6	70.6	55.2
7	64.0	87.4	85.2	81.6	78.0	67.5	68.2
10	58.1	91.3	87.3	84.5	79.4	62.7	66.7
13	60.4	93.5	88.5	83.6	74.4	58.4	66.8
16	59.2	94.6	87.5	82.1	72.0	57.6	65.8
19	54.1	88.1	81.7	77.4	69.8	77.4	63.8
22	50.0	86.2	83.4	77.0	65.0	71.9	60.8

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	35.7	82.6	73.5	63.9	67.1	65.2	52.9
4	32.7	83.1	76.8	74.6	69.0	59.2	45.1
7	44.8	83.5	78.9	75.3	69.1	57.2	53.6
10	43.5	84.1	81.5	81.5	68.3	51.9	51.9
13	46.5	83.7	77.2	74.3	63.4	47.5	52.5
16	44.2	90.1	80.7	73.4	64.6	46.9	50.5
19	39.9	81.5	76.3	72.8	63.6	63.6	50.9
22	37.8	82.9	73.8	68.9	53.0	58.5	48.8

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.8	67.6	64.7	64.7	52.9	2.9	17.6
4	10.1	70.5	63.6	70.5	22.7	6.8	34.1
7	14.8	68.8	40.6	25.0	1.6	3.1	43.8
10	6.5	64.3	35.7	10.7	10.7	14.3	7.1
13	2.1	66.7	66.7	44.4	22.2	33.3	11.1
16	3.7	87.5	81.3	25.0	25.0	25.0	.0
19	1.6	71.4	71.4	85.7	57.1	42.9	14.3
22	4.1	77.8	55.6	61.1	44.4	16.7	11.1

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	.0	100.0	.0	.0
16	.2	.0	.0	100.0	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	57.1	66.7	52.4	23.8	19.0	19.0
4	5.1	40.9	40.9	27.3	45.5	22.7	13.6
7	3.9	41.2	41.2	47.1	29.4	35.3	5.9
10	5.3	60.9	43.5	34.8	39.1	13.0	17.4
13	4.1	66.7	50.0	50.0	22.2	16.7	5.6
16	5.8	68.0	48.0	36.0	24.0	24.0	8.0
19	3.0	61.5	53.8	23.1	30.8	7.7	7.7
22	4.4	57.9	52.6	47.4	42.1	26.3	10.5

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS AT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.9	.7	.7	1.0	1.7	9.5	4.9
4	95.9	1.7	1.2	1.7	6.7	5.0	3.1
7	96.1	2.4	4.8	6.7	9.1	3.6	3.9
10	90.3	4.1	3.3	6.1	4.3	3.1	8.2
13	88.2	2.4	2.9	2.9	2.3	5.0	10.7
16	93.3	2.0	2.2	2.2	3.7	2.5	5.7
19	95.6	1.9	2.9	2.7	3.9	2.7	4.1
22	94.7	1.0	1.2	2.4	1.7	6.6	4.4

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	83.6	.0	1.7	1.9	4.4	6.3	11.3
4	83.4	1.1	2.2	3.3	2.2	6.1	12.4
7	82.0	.6	.8	1.1	4.5	9.3	13.0
10	84.8	1.6	2.2	3.8	4.9	9.2	12.5
13	84.1	1.1	1.4	2.7	7.1	8.5	13.2
16	84.6	2.2	3.5	4.9	5.4	8.4	11.2
19	83.2	1.4	2.2	2.5	4.2	8.3	11.9
22	84.1	.5	.8	1.9	3.8	5.2	11.2

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	51.4	14.3	19.3	24.2	50.5	50.2	39.5
4	53.7	15.9	23.3	44.0	42.1	49.4	38.2
7	36.0	7.1	12.2	16.7	29.5	30.8	54.8
10	41.9	18.7	23.6	26.9	31.3	32.4	47.3
13	39.6	14.0	17.4	22.1	23.3	33.7	50.6
16	40.8	14.7	16.9	13.6	18.1	29.4	50.3
19	45.9	11.1	15.1	17.6	23.6	46.5	43.7
22	50.0	10.6	17.6	20.3	27.2	45.2	39.2

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	64.3	9.0	12.2	15.4	32.4	36.2	26.2
4	67.3	7.9	16.5	30.2	31.2	37.0	27.1
7	55.2	11.7	13.0	18.0	28.5	25.9	39.1
10	56.5	8.6	15.5	19.6	25.7	26.9	38.0
13	53.5	7.8	14.2	18.1	19.4	25.4	41.8
16	55.8	11.2	10.7	13.2	16.5	21.9	39.3
19	60.1	7.7	11.9	14.6	17.2	33.5	33.0
22	62.2	6.7	13.0	15.6	20.7	35.2	30.7

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.2	3.2	5.7	5.5	11.5	2.0	6.7
4	89.9	4.4	5.9	8.5	4.6	3.3	7.4
7	85.2	5.4	3.8	3.3	2.2	1.4	9.5
10	93.5	.7	1.7	1.5	3.2	3.4	6.7
13	97.9	.5	1.9	2.8	1.2	7.1	1.9
16	96.3	.7	.7	.7	3.3	9.6	3.8
19	98.4	.9	1.6	2.8	6.8	14.1	1.2
22	95.9	2.4	3.9	5.3	8.7	6.3	3.6

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.2	.0
4	100.0	.0	.0	.0	.5	.2	.0
7	100.0	.5	.5	.5	.2	.5	.0
10	99.5	.5	.2	.2	.2	.2	.5
13	99.8	.2	.0	.2	.2	.0	.2
16	99.8	.0	.0	.2	.2	.0	.2
19	99.5	.0	.0	.2	.0	.0	.5
22	99.8	.0	.0	.0	.0	.5	.2

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	1.7	2.4	2.7	2.9	3.4	4.1
4	94.9	1.9	2.2	2.7	3.2	4.9	4.6
7	96.1	2.6	1.9	3.6	3.1	1.7	3.9
10	94.7	1.9	2.7	2.4	3.9	3.9	4.6
13	95.9	1.4	3.4	3.8	2.2	4.3	4.3
16	94.2	1.2	2.0	1.0	3.2	3.9	5.6
19	97.0	2.1	3.1	3.8	4.0	3.8	2.9
22	95.6	1.7	1.7	2.9	3.4	4.3	3.9

JANUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	38.0	86.1	82.4	78.8	82.9	78.8	76.4	77.6	65.5	61.2	56.4
4	36.6	93.7	91.8	90.5	84.3	80.5	79.9	66.7	61.0	54.1	54.1
7	53.6	94.4	85.3	85.3	81.0	78.9	65.9	59.9	53.4	51.7	68.0
10	54.6	94.5	91.1	87.8	81.9	68.8	60.6	55.3	52.7	66.9	65.8
13	58.5	93.3	89.8	84.6	68.5	60.9	53.9	51.2	67.7	64.2	68.5
16	58.5	93.3	82.3	73.6	64.8	55.1	52.4	69.2	66.5	69.7	69.7
19	47.5	91.3	86.4	81.0	65.5	61.2	71.2	69.9	72.3	71.4	60.2
22	42.5	88.0	81.5	73.9	65.2	73.2	70.7	72.3	70.7	59.8	54.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	62.0	5.2	8.6	10.8	35.7	39.8	47.6	46.8	36.4	31.0	26.8
4	63.4	6.5	15.3	32.4	37.5	45.8	46.2	36.4	31.8	28.7	26.5
7	46.4	10.9	16.4	18.9	32.3	34.8	26.4	22.5	20.4	19.4	38.3
10	45.4	11.2	17.8	23.4	30.5	21.8	20.8	17.3	17.3	39.1	42.6
13	41.5	10.6	16.1	21.7	17.8	16.7	15.6	16.1	35.2	42.8	47.2
16	41.5	9.4	13.3	10.6	11.1	13.9	14.4	33.3	39.4	45.6	43.9
19	52.5	3.9	5.7	7.9	13.2	14.5	39.0	42.1	48.2	47.8	37.7
22	57.5	4.0	8.5	11.2	15.3	40.2	43.8	50.2	50.2	39.8	34.3

JANUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	.0	25.0	25.0	25.0	50.0	.0
4	.5	50.0	50.0	50.0	.0	50.0	.0
7	.9	50.0	25.0	.0	25.0	25.0	.0
10	1.4	50.0	33.3	33.3	50.0	.0	.0
13	4.6	60.0	65.0	70.0	15.0	5.0	5.0
16	6.0	61.5	46.2	23.1	3.8	7.7	7.7
19	1.8	12.5	12.5	25.0	.0	.0	.0
22	.9	25.0	.0	.0	.0	.0	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	36.2	86.6	81.5	78.3	82.1	73.2	54.1
4	35.0	94.7	93.4	92.1	84.2	77.0	52.6
7	52.2	94.2	85.4	85.4	81.4	66.8	68.4
10	53.7	94.0	90.1	88.0	81.1	59.9	65.[illegible]
13	56.5	94.3	90.2	84.1	70.2	52.7	69.4
16	55.3	93.8	82.5	76.2	65.7	52.9	69.2
19	46.3	92.5	86.6	81.0	64.2	71.0	60.7
22	40.9	88.1	81.4	74.0	63.8	69.5	53.1

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	18.2	87.3	82.3	77.2	69.6	57.0	39.2
4	20.5	82.0	79.8	78.7	62.9	64.0	39.3
7	25.6	87.4	77.5	71.2	68.5	52.3	47.3
10	27.9	91.7	81.8	78.5	68.6	44.6	45.5
13	28.8	89.6	84.0	78.4	61.6	40.8	47.2
16	29.0	88.1	76.2	70.6	54.8	45.2	54.0
19	24.4	86.8	74.5	70.8	56.6	50.9	40.6
22	21.2	84.8	76.1	67.4	57.6	52.2	34.8

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.7	81.3	81.3	75.0	56.3	37.5	18.8
4	3.9	82.4	70.6	64.7	58.8	17.6	17.6
7	4.4	78.9	73.7	68.4	26.3	10.5	26.3
10	3.9	70.6	47.1	35.3	23.5	11.8	17.6
13	2.8	58.3	33.3	33.3	16.7	16.7	8.3
16	2.5	90.9	45.5	45.5	54.5	27.3	9.1
19	2.3	80.0	80.0	80.0	30.0	20.0	10.0
22	3.5	93.3	80.0	60.0	53.3	33.3	6.7

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.8	50.0	50.0	41.7	8.3	.0	.0
4	3.0	61.5	38.5	38.5	7.7	15.4	15.4
7	2.8	41.7	25.0	33.3	16.7	.0	8.3
10	2.8	50.0	41.7	50.0	25.0	8.3	8.3
13	3.2	42.9	28.6	35.7	28.6	14.3	7.1
16	2.3	70.0	70.0	50.0	20.0	10.0	.0
19	3.0	76.9	61.5	61.5	38.5	15.4	7.7
22	2.3	60.0	40.0	50.0	40.0	.0	10.0

JANUARY

EAFB LANDING PROBABILITIES

ROBABILITY CF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.2	.5	.2	.7	4.2	.9
4	99.5	.9	.5	.7	1.4	5.8	.5
7	99.1	.7	.9	1.2	4.2	1.6	.9
10	98.6	1.4	3.0	4.2	5.4	.9	1.4
13	95.4	1.7	2.4	2.9	1.2	.7	4.6
16	94.0	1.2	1.7	.5	.7	.0	5.9
19	98.2	.5	.2	.5	.9	.9	2.1
22	99.1	.2	1.2	.9	.5	1.4	.9

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	63.8	4.3	7.6	10.5	35.4	46.9	26.0
4	65.0	5.7	14.2	30.9	37.2	43.6	25.5
7	47.8	9.7	16.4	18.8	29.5	24.2	35.7
10	46.3	10.4	15.9	19.9	25.4	18.9	41.8
13	43.5	9.0	13.2	18.0	15.3	14.8	42.3
16	44.7	8.2	10.8	9.3	10.3	12.9	39.7
19	53.7	3.0	5.2	6.4	12.0	37.3	35.2
22	59.1	3.9	7.8	9.8	14.8	43.8	32.5

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	81.8	3.1	4.8	7.9	15.8	22.5	13.8
4	79.5	4.6	7.2	11.9	18.8	20.0	15.4
7	74.4	6.5	10.6	12.7	15.2	14.9	18.3
10	72.1	4.2	7.3	9.6	13.7	12.2	21.7
13	71.2	4.9	7.4	9.1	9.4	9.4	22.3
16	71.0	3.6	5.2	5.5	7.5	10.1	20.5
19	75.6	3.0	3.7	5.2	6.1	17.4	20.1
22	78.8	3.5	6.5	5.3	10.0	21.7	17.6

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.3	1.2	2.4	1.2	2.4	1.4	3.1
4	96.1	.7	1.4	1.9	1.7	1.9	3.6
7	95.6	2.4	2.2	1.0	1.7	1.9	3.6
10	96.1	.2	1.0	1.4	1.7	3.1	3.8
13	97.2	.5	1.2	1.7	1.9	3.3	2.8
16	97.5	1.7	1.7	1.2	2.1	3.5	2.6
19	97.7	.2	.7	1.7	3.1	4.3	2.1
22	96.5	.2	1.0	1.7	2.4	3.3	3.6

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.2	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.2	1.7	2.6	1.9	2.6	3.3	2.8
4	97.0	.5	1.7	1.7	2.6	1.9	2.6
7	97.2	.7	1.7	1.9	2.9	3.1	2.6
10	97.2	.9	1.2	1.9	1.7	2.1	2.6
13	96.8	.2	.5	1.2	2.1	2.4	3.3
16	97.7	1.4	.9	1.9	1.9	2.8	2.4
19	97.0	.5	.5	.5	1.7	2.4	3.1
22	97.7	1.2	2.6	1.7	2.1	2.8	2.1

FEBRUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	35.7	95.0	87.9	84.3	87.8	82.1	84.3	84.3	69.8	56.4	53.6
4	39.0	89.5	86.3	91.4	86.3	87.5	86.2	69.7	56.2	50.3	55.6
7	56.0	92.6	89.8	88.0	87.0	83.6	67.0	52.8	49.1	52.3	63.1
10	58.2	95.2	93.4	89.4	83.3	66.5	55.3	48.7	51.8	62.8	61.0
13	51.5	92.9	89.5	85.4	68.2	55.4	48.7	53.7	64.4	64.2	70.3
16	62.1	92.5	85.0	74.2	57.7	49.0	55.6	66.2	65.6	70.4	69.9
19	49.5	89.1	78.8	73.1	61.1	64.2	70.8	70.5	73.1	73.6	58.9
22	39.1	86.9	81.6	72.5	75.2	80.3	75.8	78.4	80.3	63.2	51.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	64.3	4.4	9.5	13.9	38.1	44.8	48.8	49.6	38.2	29.5	26.2
4	61.0	7.1	15.8	33.2	40.2	45.0	46.6	36.6	28.2	26.8	28.5
7	44.0	9.4	13.5	20.6	28.8	35.3	27.8	21.3	18.8	21.8	43.5
10	41.8	7.9	14.6	22.7	32.3	25.8	16.6	18.3	21.3	43.8	51.8
13	38.5	9.4	22.3	24.3	20.1	12.8	16.0	16.0	39.0	46.7	46.0
16	37.9	10.2	10.3	9.6	8.9	15.6	12.9	36.1	44.9	44.9	47.6
19	50.5	6.1	5.6	6.1	11.7	14.7	39.6	44.7	48.7	49.2	37.8
22	60.9	5.9	11.0	12.6	16.0	38.6	45.4	49.6	49.4	38.8	31.2

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FEBRUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	50.0	25.0	25.0	.0	.0	.0
4	1.0	25.0	.0	.0	25.0	50.0	.0
7	.8	66.7	100.0	100.0	100.0	33.3	.0
10	3.8	73.3	60.0	60.0	46.7	6.7	.0
13	5.6	72.7	71.4	59.1	18.2	4.5	9.1
16	8.2	65.6	45.2	25.0	9.4	6.3	12.5
19	3.8	60.0	20.0	13.3	6.7	6.7	.0
22	.8	33.3	33.3	33.3	33.3	33.3	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	34.4	96.3	87.4	85.9	88.8	80.7	54.8
4	37.5	91.8	88.4	92.4	85.7	80.8	55.8
7	55.4	91.1	88.8	86.9	84.1	65.3	62.3
10	56.1	96.4	93.6	88.6	81.7	55.0	60.0
13	58.2	93.8	89.4	83.7	68.6	50.2	67.3
16	57.2	95.0	86.5	77.8	61.7	56.3	64.5
19	47.4	88.6	80.5	74.6	61.1	72.3	57.1
22	38.4	88.0	81.2	72.7	74.7	74.7	50.7

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	20.2	86.1	77.2	78.5	70.5	68.4	43.0
4	21.9	83.7	82.6	76.7	70.9	72.1	44.2
7	28.8	92.8	80.2	78.4	76.6	50.9	45.5
10	31.4	89.4	87.8	82.1	74.8	43.1	39.0
13	35.1	83.2	80.9	79.6	51.5	38.7	50.7
16	37.6	83.6	69.2	58.6	47.3	41.1	52.1
19	26.9	80.0	72.4	68.6	54.3	49.5	37.5
22	22.0	81.4	73.3	70.9	67.4	66.3	34.9

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.3	60.0	40.0	20.0	60.0	.0	20.0
4	2.0	75.0	50.0	62.5	62.5	12.5	.0
7	5.4	85.7	71.4	57.1	19.0	14.3	19.0
10	4.6	61.1	38.9	33.3	16.7	5.6	5.6
13	2.3	66.7	55.6	44.4	33.3	11.1	11.1
16	2.1	87.5	87.5	75.0	12.5	12.5	.0
19	2.8	63.6	27.3	9.1	.0	18.2	9.1
22	1.5	66.7	66.7	33.3	16.7	16.7	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.0	37.5	37.5	25.0	62.5	50.0	.0
4	3.1	58.3	58.3	58.3	50.0	25.0	8.3
7	5.4	57.1	47.6	42.9	19.0	30.0	23.8
10	3.8	66.7	46.7	33.3	40.0	13.3	13.3
13	3.6	85.7	57.1	42.9	57.1	21.4	15.4
16	3.9	46.7	60.0	53.3	26.7	20.0	7.1
19	4.4	52.9	52.9	47.1	23.5	35.3	12.5
22	3.6	50.0	21.4	21.4	28.6	35.7	21.4

FEBRUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.5	1.0	.8	.8	5.7	1.0
4	99.0	.3	1.0	.8	3.6	7.8	1.0
7	99.2	.8	2.3	3.1	5.0	3.7	.8
10	96.2	1.1	2.9	3.5	6.7	.5	4.2
13	94.4	1.9	4.1	5.2	3.0	.8	6.3
16	91.8	2.5	1.7	2.0	.0	.6	8.2
19	96.2	1.3	.5	.3	.8	.5	4.3
22	99.2	.8	1.8	.8	.8	3.9	1.3

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	65.6	3.5	8.6	12.1	37.7	46.3	24.1
4	62.5	6.9	16.0	33.2	38.4	43.0	26.5
7	44.6	8.7	11.0	18.0	25.6	25.7	43.5
10	43.9	7.0	12.8	19.3	25.4	17.0	48.3
13	41.8	7.4	16.8	19.9	18.5	13.5	42.9
16	42.8	7.2	7.9	7.3	7.3	13.3	45.2
19	52.6	4.4	4.4	5.9	11.2	38.5	36.3
22	61.6	4.6	7.9	11.2	14.5	42.7	30.0

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	79.8	4.5	7.3	7.7	18.2	26.7	14.7
4	78.1	5.9	10.2	15.0	20.3	27.8	16.7
7	71.2	6.9	10.2	12.7	18.5	17.9	21.3
10	68.6	6.3	13.1	13.5	20.4	12.3	26.0
13	64.5	7.1	11.6	14.7	13.9	10.7	26.1
16	62 4	7.0	9.2	8.3	7.1	12.0	27.3
19	73.1	2.1	3.5	4.9	8.1	20.8	21.5
22	78.0	2.6	4.0	6.2	10.2	20.0	18.1

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.7	.5	1.0	1.8	4.7	2.3	1.0
4	98.0	.3	1.3	4.2	3.4	1.8	1.8
7	94.6	1.9	2.2	1.6	1.4	2.2	4.2
10	95.4	1.1	1.1	.8	1.4	1.3	4.0
13	97.7	1.1	1.6	1.1	2.1	1.0	1.8
16	97.9	.8	1.1	1.3	1.3	1.6	1.9
19	97.2	.0	1.1	1.3	1.3	4.8	2.7
22	98.5	.3	.5	.8	1.6	3.9	1.3

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.0	1.0	1.3	2.6	4.2	2.6	2.3
4	96.9	2.1	2.6	3.7	2.4	3.2	3.2
7	94.6	1.4	1.6	1.6	2.7	3.0	4.4
10	96.2	2.1	2.7	2.4	2.4	3.2	3.4
13	96.4	2.4	2.1	2.4	2.4	1.6	3.5
16	96.1	1.9	3.0	2.4	2.7	2.7	3.8
19	95.6	.5	1.1	1.6	1.3	4.4	3.8
22	96.4	.8	1.1	1.6	2.4	2.7	3.2

MARCH

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	31.3	90.4	84.6	79.4	76.5	73.5	73.5	77.9	65.4	47.8	39.7
4	32.3	88.6	87.9	85.7	79.3	75.0	79.3	63.6	45.7	42.1	40.0
7	49.1	90.1	84.9	85.4	80.7	83.0	67.0	51.4	44.8	42.9	55.2
10	53.5	88.4	84.9	86.1	84.1	68.5	52.6	45.7	44.4	58.0	58.6
13	59.4	93.8	92.6	89.8	68.8	52.7	44.5	43.0	56.1	56.6	65.4
16	63.9	92.7	85.1	70.7	54.0	44.9	42.0	55.3	55.8	65.0	69.6
19	50.2	84.9	74.8	65.6	54.6	52.3	61.0	62.8	67.7	72.9	58.3
22	37.8	86.6	77.4	67.1	62.2	69.5	68.3	75.0	77.4	62.2	42.7

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	68.7	3.4	6.7	10.7	36.5	44.3	52.9	57.4	43.3	33.2	28.2
4	67.7	9.2	23.4	31.5	41.2	51.9	56.5	43.9	34.0	26.9	29.3
7	50.9	8.2	17.3	22.7	39.0	45.7	34.5	25.0	19.5	23.2	43.6
10	46.5	13.4	20.9	28.5	40.5	29.2	20.8	15.8	19.3	38.8	46.5
13	40.6	11.0	23.4	26.0	24.0	16.6	13.7	18.3	39.4	48.0	51.1
16	36.1	12.9	18.7	14.7	9.0	9.0	16.7	38.1	48.1	49.0	54.5
19	49.8	7.9	9.7	9.7	8.8	13.0	36.9	43.1	50.9	55.6	44.4
22	62.2	8.1	8.9	10.4	14.8	36.6	43.7	49.8	56.3	44.8	33.7

MARCH

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	50.0	30.0	20.0	40.0	30.0	.0
4	1.6	14.3	28.6	57.1	42.9	42.9	.0
7	2.1	55.6	66.7	44.4	33.3	33.3	.0
10	5.3	78.3	65.2	82.6	60.9	8.7	4.3
13	11.6	78.0	82.0	68.0	34.0	6.0	20.4
16	18.8	74.1	50.6	28.4	18.5	4.9	27.2
19	7.1	38.7	45.2	35.5	12.9	6.5	12.9
22	5.3	47.8	30.4	30.4	8.7	21.7	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	29.7	92.2	85.3	79.1	73.6	70.5	38.8
4	30.2	91.6	89.3	86.3	77.1	72.5	35.9
7	46.8	90.6	83.2	84.2	77.7	64.4	53.0
10	49.1	89.7	85.0	83.5	80.3	52.6	55.9
13	53.4	94.8	89.1	85.2	70.9	43.5	62.4
16	54.6	91.5	86.0	76.7	55.5	43.2	64.0
19	46.1	88.0	77.0	66.5	53.5	59.0	55.5
22	34.3	90.6	80.5	69.8	63.8	67.1	40.3

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	16.6	83.3	72.2	70.8	65.3	52.8	34.7
4	16.4	83.1	81.7	73.2	57.7	59.2	25.4
7	21.5	84.9	74.2	72.0	65.6	51.6	26.9
10	21.4	87.1	78.5	77.2	73.1	43.0	29.0
13	27.4	89.0	77.1	78.0	61.0	35.6	37.6
16	32.6	83.7	72.3	63.1	44.0	31.9	44.0
19	24.7	76.6	61.7	56.1	44.9	43.0	42.1
22	18.2	77.2	65.8	60.8	53.2	50.6	29.1

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	40.0	40.0	40.0	20.0	20.0	.0
4	2.3	90.0	70.0	70.0	20.0	10.0	10.0
7	4.2	50.0	38.9	22.2	5.6	5.6	22.2
10	2.1	22.2	33.3	11.1	11.1	.0	.0
13	1.4	50.0	33.3	50.0	.0	.0	.0
16	1.9	62.5	37.5	12.5	12.5	.0	.0
19	2.1	77.8	44.4	22.2	11.1	44.4	.0
22	1.6	57.1	57.1	42.9	28.6	28.6	.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.6	71.4	57.1	14.3	14.3	14.3	.0
4	1.8	75.0	62.5	50.0	25.0	.0	.0
7	1.6	42.9	42.9	42.9	14.3	14.3	.0
10	2.3	50.0	40.0	40.0	10.0	.0	.0
13	1.6	14.3	28.6	28.6	28.6	28.6	28.6
16	1.4	50.0	16.7	33.3	.0	.0	.0
19	2.1	55.6	22.2	11.1	22.2	.0	11.1
22	1.2	60.0	20.0	40.0	.0	20.0	.0

MARCH

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	1.2	.9	1.2	1.2	11.2	2.6
4	98.4	1.2	.9	1.2	4.7	18.4	1.9
7	97.9	1.2	4.7	4.5	11.2	6.6	2.1
10	94.7	3.4	6.6	7.6	16.4	5.1	5.4
13	88.4	4.5	10.3	12.4	3.7	2.1	10.3
16	81.3	5.2	6.3	2.3	2.3	1.1	16.6
19	92.9	2.0	1.0	3.0	1.7	1.7	6.5
22	94.7	1.0	1.2	1.0	1.5	4.4	4.9

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	70.3	2.0	6.2	9.5	35.3	46.0	25.6
4	69.8	6.3	21.0	29.6	37.0	46.8	27.4
7	53.2	6.5	11.3	18.3	32.0	30.4	41.7
10	50.9	11.3	18.2	24.2	29.7	16.7	41.6
13	46.6	8.0	15.2	19.6	18.4	13.9	43.2
16	45.4	8.2	10.8	9.7	8.7	14.3	43.8
19	53.9	4.7	8.1	6.8	9.0	36.2	40.6
22	65.7	6.7	6.3	8.4	12.3	38.9	31.2

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	83.4	2.2	3.6	5.5	12.8	22.3	13.0
4	83.6	3.3	8.3	11.4	14.3	27.4	14.6
7	78.5	4.1	7.1	7.4	16.9	17.4	20.8
10	78.6	5.9	7.9	13.9	21.5	11.4	19.9
13	72.6	6.4	10.4	15.8	11.2	9.6	24.1
16	67.4	3.5	5.2	6.2	5.5	8.9	28.0
19	75.3	1.8	4.3	5.8	7.3	15.1	19.6
22	81.8	3.7	5.6	6.8	8.2	15.5	15.5

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.5	1.2	1.9	4.0	1.2	1.6
4	97.7	.7	2.4	2.6	1.7	1.7	2.6
7	95.8	.2	1.0	1.2	1.2	1.9	3.4
10	97.9	.7	.7	1.2	1.7	1.6	2.1
13	98.6	.7	.7	1.2	2.1	1.6	1.4
16	98.1	.5	1.7	1.9	1.4	2.8	1.9
19	97.9	.5	.7	1.2	1.4	3.3	2.1
22	98.4	.2	.9	.9	2.3	1.6	1.6

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.2	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.4	.7	.5	1.6	1.4	1.4	1.6
4	98.2	.5	.5	.7	1.9	1.4	2.1
7	98.4	.9	.7	1.6	1.4	1.9	1.9
10	97.7	1.2	.7	.7	1.2	1.2	2.4
13	98.4	1.7	1.7	.9	1.7	1.2	1.7
16	98.6	1.9	1.9	1.6	1.2	2.1	2.1
19	97.9	.7	.7	.9	1.2	1.9	2.4
22	98.8	2.3	1.6	1.2	2.1	2.1	.9

APRIL

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	30.0	88.1	77.0	69.8	69.0	64.3	71.4	77.0	62.7	38.1	38.9
4	27.1	84.1	77.2	79.8	72.8	78.1	78.9	66.7	47.4	42.1	36.0
7	40.5	87.6	85.3	80.6	75.9	76.5	64.7	41.2	38.8	33.5	49.4
10	42.6	92.7	89.9	84.4	81.6	67.0	41.9	39.1	32.4	48.0	52.5
13	51.3	91.6	90.2	86.0	69.3	41.4	39.1	35.3	49.3	49.8	59.5
16	60.2	88.8	80.8	68.9	39.4	37.8	36.3	48.6	52.2	56.6	66.9
19	48.6	70.6	59.8	49.5	45.6	38.7	51.5	52.9	62.6	70.9	57.8
22	28.3	79.0	78.2	74.8	59.7	60.5	61.3	72.3	80.7	63.0	41.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	70.0	4.8	7.5	8.8	28.2	33.3	42.7	52.9	42.5	24.1	24.5
4	72.9	11.2	21.6	25.8	31.4	41.3	53.1	41.8	21.2	23.9	22.2
7	59.5	8.0	12.4	16.8	34.5	49.0	37.6	19.6	22.0	20.8	33.2
10	57.4	10.8	19.2	26.7	44.1	34.9	18.3	21.2	21.2	33.6	34.4
13	48.7	14.2	25.0	32.7	27.0	14.7	18.1	16.2	29.9	34.3	41.9
16	39.8	19.3	24.7	18.7	12.0	15.7	10.8	26.5	26.5	41.8	47.6
19	51.4	5.1	4.2	8.3	13.0	13.9	28.7	31.9	39.8	48.6	38.4
22	71.7	6.0	8.3	10.6	12.6	31.6	34.6	42.3	51.0	41.9	22.9

APRIL

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.3	57.1	21.4	14.3	14.3	42.9	7.1
4	1.7	42.9	28.6	57.1	71.4	57.1	.0
7	3.1	76.9	76.9	69.2	69.2	53.8	7.7
10	7.9	66.7	72.7	60.6	69.7	15.2	15.2
13	12.4	80.8	73.1	78.8	44.2	5.8	11.5
16	21.3	71.9	66.3	46.1	11.2	4.5	27.0
19	15.0	33.3	23.8	17.5	12.7	7.9	30.2
22	4.3	44.4	38.9	38.9	11.1	11.1	11.1

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	26.9	90.3	81.4	74.3	71.7	65.5	36.3
4	25.5	86.8	78.5	80.4	71.0	66.4	36.4
7	38.1	87.5	83.7	78.1	70.6	56.9	48.1
10	38.6	92.0	86.4	81.5	72.2	39.5	50.0
13	43.0	90.6	88.3	81.7	68.9	41.7	53.3
16	44.8	91.4	83.9	75.9	44.9	42.8	52.4
19	37.6	79.7	68.4	55.7	51.9	54.4	47.5
22	23.8	85.0	86.0	79.0	66.0	60.0	39.0

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	11.9	84.0	70.0	62.0	48.0	54.0	16.0
4	12.4	76.5	67.3	61.5	55.8	40.4	25.0
7	14.8	80.6	71.0	58.1	56.5	43.5	22.6
10	14.3	85.0	83.3	75.0	63.3	28.3	25.0
13	19.6	89.0	76.8	72.0	50.0	28.0	35.4
16	21.3	85.4	64.8	53.9	29.2	23.6	38.2
19	16.9	80.3	54.9	46.5	35.2	31.0	22.5
22	9.8	78.0	70.7	63.4	43.9	41.5	17.1

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	100.0	75.0	75.0	25.0	.0	.0
4	.7	66.7	66.7	33.3	.0	.0	.0
7	1.4	50.0	16.7	.0	.0	16.7	16.7
10	.5	50.0	50.0	50.0	.0	.0	.0
13	1.9	87.5	50.0	62.5	.0	.0	.0
16	2.2	55.6	33.3	.0	.0	.0	.0
19	1.9	37.5	37.5	25.0	12.5	12.5	.0
22	.5	100.0	50.0	50.0	50.0	.0	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	85.7	28.6	28.6	14.3	.0	.0
4	1.4	16.7	16.7	50.0	16.7	16.7	.0
7	1.4	50.0	33.3	33.3	50.0	33.3	.0
10	1.0	75.0	100.0	25.0	.0	25.0	.0
13	1.9	50.0	50.0	25.0	25.0	.0	.0
16	1.9	50.0	57.1	62.5	.0	.0	.0
19	2.4	60.0	20.0	.0	.0	10.0	.0
22	1.4	16.7	33.3	50.0	16.7	.0	.0

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

APRIL

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.7	1.0	1.2	1.2	2.7	11.4	3.0
4	98.3	.7	1.2	2.2	6.8	20.7	1.5
7	96.9	1.2	3.2	5.9	10.6	13.8	2.9
10	92.1	2.3	4.7	8.3	17.2	3.4	7.5
13	87.6	5.4	7.1	13.2	10.9	2.7	12.6
16	78.7	8.2	11.3	6.7	2.4	.6	20.2
19	85.0	2.8	2.0	2.0	1.4	2.2	12.9
22	95.7	1.2	1.2	1.5	1.0	8.0	4.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	73.1	3.6	5.5	7.5	25.7	34.6	22.8
4	74.5	9.6	19.8	23.6	27.5	37.4	21.1
7	61.9	6.9	10.0	14.2	25.9	25.8	30.8
10	61.4	8.2	14.4	18.7	27.5	14.0	30.6
13	57.0	9.6	14.6	16.9	14.2	15.1	35.3
16	55.2	5.7	8.7	7.0	7.0	10.9	37.3
19	62.4	1.1	1.5	4.6	11.1	27.1	29.8
22	76.2	4.7	6.9	10.0	12.2	31.3	18.8

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	88.1	2.4	3.5	5.7	10.3	14.9	10.5
4	87.6	3.3	6.0	8.2	8.4	18.6	10.1
7	85.2	2.2	4.5	6.7	13.2	12.3	12.3
10	85.7	4.2	6.7	10.3	14.3	6.7	11.4
13	80.4	3.6	5.3	9.0	8.9	7.1	14.3
16	78.7	3.0	4.9	7.0	4.6	8.8	15.6
19	83.1	2.3	2.6	2.3	6.3	10.3	14.6
22	90.2	1.6	4.0	5.5	8.4	10.3	8.4

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.0	.0	.0	1.2	1.9	.5
4	99.3	.2	1.7	1.2	.5	2.2	.2
7	98.6	.2	.7	.5	1.9	1.7	1.2
10	99.5	.2	.7	1.7	2.2	.5	.5
13	98.1	1.2	1.7	1.0	1.9	.5	2.2
16	97.8	.7	1.0	2.0	.5	.2	2.2
19	98.1	.7	.0	.0	.2	1.2	1.9
22	99.5	.5	.2	.2	.0	.5	.5

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.2	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	.2	1.0	1.0	1.2	1.9	1.7
4	98.6	.0	1.4	.7	.7	1.7	1.2
7	98.6	.0	.5	.5	1.2	1.9	1.2
10	99.0	.7	1.4	1.7	1.9	1.2	1.0
13	98.1	1.2	1.2	1.5	1.9	1.7	1.2
16	98.1	1.0	1.2	1.2	1.5	1.2	1.2
19	97.6	.7	.7	1.5	1.7	1.0	2.0
22	98.6	.7	.7	1.0	1.0	1.0	1.4

MAY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	17.3	78.7	72.0	61.3	62.7	53.3	56.0	56.0	50.0	25.3	24.0
4	16.6	91.7	84.7	77.8	65.3	75.0	68.1	60.6	29.2	30.6	22.2
7	31.3	87.5	79.4	75.0	76.5	73.5	62.7	33.8	31.9	24.3	46.3
10	33.6	90.4	88.4	83.6	79.5	63.4	35.6	28.8	26.7	46.6	47.9
13	41.7	88.4	83.4	82.3	63.7	35.4	25.0	23.8	43.6	44.8	49.2
16	48.7	87.2	77.3	67.1	34.6	23.8	22.3	39.8	42.2	48.3	58.8
19	40.1	70.3	57.8	46.8	30.2	27.7	45.7	44.5	49.7	61.3	45.3
22	20.5	69.7	61.8	52.3	37.1	53.9	61.8	59.6	66.3	50.0	30.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	82.7	3.1	3.9	7.3	24.6	29.6	38.5	47.1	37.9	19.3	16.5
4	83.4	16.6	21.0	22.1	27.3	35.1	44.9	36.1	18.8	15.2	15.7
7	68.7	8.7	11.8	14.8	25.8	37.4	30.0	14.4	11.4	13.4	25.5
10	66.4	8.7	16.0	20.5	33.1	28.3	12.8	12.2	11.8	24.7	26.7
13	58.3	11.5	15.1	24.6	23.4	9.9	12.6	11.9	23.7	26.1	35.6
16	51.3	14.0	18.9	14.5	7.2	12.2	11.7	24.8	26.1	34.7	38.5
19	59.9	3.1	2.3	2.7	9.3	9.7	22.9	26.7	35.3	38.9	35.5
22	79.5	4.3	6.4	9.0	11.6	26.4	26.7	36.5	43.6	37.3	17.7

MAY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	50.0	33.3	33.3	33.3	33.3	.0
4	1.6	.0	14.3	28.6	42.9	85.7	.0
7	2.5	63.6	45.5	63.6	72.7	45.5	9.1
10	5.8	60.0	68.0	68.0	72.0	12.0	16.0
13	10.8	74.5	74.5	66.0	31.9	6.4	29.8
16	17.1	79.7	68.9	45.9	14.9	6.8	41.9
19	11.6	38.0	20.0	22.0	6.0	10.0	32.0
22	2.8	33.3	16.7	16.7	25.0	33.3	16.7

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	15.7	77.9	73.5	58.8	63.2	52.9	23.5
4	14.5	93.7	85.7	77.8	63.5	61.9	19.0
7	28.1	88.5	82.8	76.2	73.0	57.9	45.1
10	30.0	92.3	86.2	83.1	70.8	33.8	44.6
13	35.0	90.1	82.2	79.6	61.3	25.2	42.8
16	37.4	85.8	74.7	67.1	37.7	22.2	43.2
19	30.6	79.4	67.4	52.3	35.1	48.5	34.4
22	18.0	73.1	65.4	54.5	35.9	55.1	24.4

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	73.1	46.2	38.5	57.7	53.8	23.1
4	5.8	88.0	84.0	68.0	44.0	36.0	12.0
7	11.5	68.0	68.0	58.0	56.0	30.6	22.0
10	12.7	81.8	70.9	67.3	41.8	20.0	21.8
13	14.5	82.5	74.6	57.1	38.1	21.0	31.7
16	16.4	78.9	62.0	43.7	23.9	18.3	21.1
19	10.7	67.4	50.0	37.0	24.4	21.7	20.0
22	5.5	75.0	66.7	52.2	29.2	33.3	16.7

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	100.0	60.0	40.0	60.0	.0	20.0
4	.9	100.0	100.0	75.0	.0	.0	.0
7	3.2	64.3	28.6	.0	.0	15.4	21.4
10	.2	100.0	100.0	100.0	.0	.0	.0
13	.5	50.0	50.0	.0	.0	.0	.0
16	1.4	83.3	66.7	50.0	16.7	16.7	.0
19	2.3	40.0	40.0	30.0	30.0	30.0	10.0
22	.7	100.0	100.0	100.0	33.3	.0	33.3

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.5	50.0	.0	.0	50.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

MAY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.2	.7	1.2	2.1	10.5	1.4
4	98.4	.0	.9	2.1	5.2	16.0	1.6
7	97.5	2.6	3.6	4.3	9.2	10.7	2.4
10	94.2	2.2	4.2	7.3	13.7	2.2	4.9
13	89.2	5.7	6.7	11.1	9.1	.8	8.0
16	82.9	7.0	9.2	4.5	.3	.6	11.7
19	88.4	1.3	.8	.3	.8	1.6	8.7
22	97.2	1.2	1.2	1.0	.9	4.7	2.4

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	84.3	2.5	3.0	6.3	21.4	31.5	14.8
4	85.5	15.6	18.9	19.7	24.3	33.2	14.0
7	71.9	6.1	8.0	11.9	20.2	20.0	22.4
10	70.0	5.9	11.5	14.5	23.1	11.2	24.0
13	65.0	5.3	10.3	14.6	14.2	11.3	30.1
16	62.6	6.3	8.1	8.9	6.3	10.3	33.0
19	69.4	1.7	1.7	2.7	7.7	20.1	28.3
22	82.0	3.1	5.1	7.9	10.1	24.7	16.3

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	.7	2.2	3.7	8.6	12.0	5.2
4	94.2	2.0	6.6	8.1	10.8	15.2	5.1
7	88.5	2.1	3.1	6.8	9.1	8.1	10.4
10	87.3	2.4	4.0	6.9	12.7	3.4	11.6
13	85.5	2.4	7.0	9.5	6.0	3.8	11.9
16	83.6	3.0	4.1	4.2	1.9	3.0	15.8
19	89.3	.5	1.6	1.8	3.9	10.4	9.7
22	94.5	1.0	2.4	3.7	4.1	11.7	4.9

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.5	.5	.5	2.6	.5	.9
4	99.1	2.1	2.8	2.6	.2	1.4	.9
7	96.8	.0	.0	.2	.5	1.9	2.6
10	99.8	.2	.2	.2	1.4	.7	.2
13	99.5	.5	.2	1.4	2.3	1.2	.2
16	98.6	.5	1.2	1.7	.5	.7	1.4
19	97.7	.0	.0	.0	.5	2.6	2.2
22	99.3	.2	.2	.5	.7	.2	.5

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.2	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.2	.0	.0	.2	.0	.0
16	100.0	.0	.2	.2	.0	.0	.0
19	99.8	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.5	.5	.2	.5	.2	.0
4	99.8	.0	.0	.5	.2	.0	.2
7	99.5	.0	.0	.2	.0	.0	.5
10	99.8	.0	.7	.2	.0	.0	.2
13	99.8	.5	.2	.0	.0	.0	.2
16	100.0	.7	.7	.0	.0	.2	.0
19	100.0	.2	.0	.0	.0	.5	.0
22	100.0	.2	.0	.0	.2	.2	.0

JUNE

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	10.2	79.1	65.1	72.1	60.5	46.5	62.8	60.5	55.8	20.9	25.6
4	14.8	90.3	79.0	69.4	59.7	71.0	77.4	59.7	29.0	27.4	35.5
7	16.9	85.9	73.2	69.0	70.4	77.5	60.6	33.8	31.0	36.6	41.4
10	18.8	87.3	84.8	83.5	77.2	65.8	39.2	30.4	36.7	38.5	35.4
13	27.1	94.7	85.1	85.1	66.7	33.3	24.6	31.6	31.9	32.5	45.6
16	32.9	89.1	76.8	63.0	29.7	23.2	30.4	29.7	33.3	42.0	45.7
19	30.0	60.0	40.5	34.1	23.8	31.0	32.8	32.5	42.1	52.4	44.4
22	11.2	63.8	55.3	48.9	53.2	56.5	48.9	63.8	63.8	46.8	25.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	89.8	1.9	4.5	8.2	12.0	15.6	23.1	29.7	27.1	10.1	7.7
4	85.2	6.1	6.7	7.8	11.7	19.6	25.1	24.9	8.1	6.4	10.6
7	83.1	3.7	6.6	8.6	18.4	23.6	23.9	6.6	5.2	9.5	10.9
10	81.2	4.4	9.7	14.1	22.6	21.7	4.7	4.7	9.1	11.1	13.8
13	72.9	8.8	11.2	13.4	16.3	2.9	3.9	7.6	10.5	12.4	18.6
16	67.1	8.9	17.0	13.8	2.1	2.8	6.4	9.6	10.3	18.1	25.2
19	70.0	2.0	2.7	1.4	3.4	7.1	9.2	11.6	19.0	23.1	22.1
22	88.8	1.9	3.2	4.6	9.4	11.3	13.9	21.2	27.9	26.5	8.8

JUNE

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	42.9	14.3	14.3	.0	57.1	.0
4	1.7	28.6	28.6	42.9	57.1	71.4	28.6
7	1.9	25.0	25.0	37.5	25.0	50.0	12.5
10	3.6	46.7	60.0	60.0	80.0	20.0	6.7
13	6.9	79.3	82.8	82.8	62.1	6.9	24.1
16	12.1	86.3	68.6	54.9	9.8	9.8	27.5
19	13.6	31.6	12.3	8.8	8.8	8.8	33.3
22	1.7	.0	.0	14.3	14.3	28.6	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.9	87.9	75.8	81.8	63.6	63.6	27.3
4	12.9	96.3	83.3	70.4	63.0	66.7	33.3
7	14.3	91.7	78.3	75.0	75.0	55.0	37.3
10	16.2	91.2	86.8	85.3	72.1	38.2	36.8
13	20.7	94.3	81.6	79.3	63.2	23.0	40.2
16	21.4	86.7	77.8	68.9	38.9	35.6	40.0
19	17.1	81.7	61.1	51.4	30.6	42.3	36.1
22	9.5	67.5	57.5	47.5	55.0	55.0	30.0

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	83.3	66.7	75.0	50.0	33.3	8.3
4	4.3	66.7	61.1	50.0	38.9	50.0	5.6
7	5.7	75.0	66.7	66.7	66.7	41.7	12.5
10	5.7	83.3	75.0	70.8	54.2	25.0	4.2
13	9.3	79.5	59.0	66.7	30.8	10.3	17.9
16	12.1	66.7	54.9	43.1	17.6	15.7	23.5
19	6.0	79.2	48.0	28.0	24.0	20.0	20.0
22	3.1	46.2	15.4	23.1	23.1	7.7	15.4

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	66.7	66.7	66.7	.0	33.3
4	.5	100.0	100.0	100.0	.0	50.0	50.0
7	.7	33.3	33.3	.0	.0	66.7	33.3
10	.0	.0	.0	.0	.0	.0	.0
13	1.7	100.0	100.0	100.0	14.3	.0	.0
16	3.1	76.9	30.8	23.1	7.7	7.7	7.7
19	2.6	45.5	27.3	9.1	18.2	9.1	9.1
22	.7	66.7	33.3	33.3	33.3	.0	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.7	100.0	33.3	.0	.0	.0	.0
16	.5	50.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	100.0	100.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	100.0	.0	.0
13	.2	100.0	.0	.0	.0	.0	.0
16	.5	50.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	100.0	.0	.0

JUNE

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	.5	1.7	1.5	1.9	6.1	1.7
4	98.3	.2	.7	1.2	2.7	11.1	1.2
7	98.1	1.5	2.4	2.9	6.6	12.9	1.7
10	96.4	1.2	2.7	4.9	9.6	1.0	3.5
13	93.1	3.1	4.6	6.9	10.0	1.3	5.6
16	87.9	6.2	12.2	7.9	.5	.5	9.5
19	86.4	1.1	1.1	.6	.6	.8	9.9
22	98.3	.7	.5	1.5	1.5	3.1	1.7

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.1	1.3	2.8	7.0	10.1	17.1	5.4
4	87.1	5.2	5.2	6.0	9.3	14.8	9.3
7	85.7	3.1	4.7	6.4	11.7	10.9	9.5
10	83.8	2.8	6.0	8.2	11.6	4.0	11.1
13	79.3	5.1	6.3	6.3	5.1	3.0	14.1
16	78.6	1.8	2.7	3.0	1.5	6.1	15.8
19	82.9	.6	1.1	.9	2.3	7.8	12.1
22	90.5	1.6	2.9	2.9	7.9	11.1	6.8

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	.7	1.2	2.2	4.4	8.6	2.5
4	95.7	2.2	3.5	3.7	4.2	10.4	4.2
7	94.3	1.8	2.3	2.0	5.8	3.8	5.1
10	94.3	1.5	2.8	5.6	9.6	1.8	5.6
13	90.7	2.1	4.5	6.6	3.4	1.8	7.9
16	87.9	1.6	1.9	.8	1.1	2.7	10.3
19	94.0	.5	.8	1.5	1.3	4.6	5.1
22	96.3	.2	1.5	2.0	3.7	5.4	2.7

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.0	.0	.0	.2	1.7	.5
4	99.5	.7	.7	.2	.0	2.9	.2
7	99.3	.5	.0	.0	1.7	2.2	.5
10	100.0	.5	1.0	1.7	3.1	.7	.0
13	98.3	.5	1.0	1.5	2.4	.7	1.7
16	95.9	.7	1.7	2.0	.5	.2	2.9
19	97.4	.2	.2	.5	.2	.5	2.4
22	99.3	.0	.2	.5	.2	.0	.7

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.2	.0	.7	.0
4	99.8	.0	.0	.0	.0	.5	.2
7	100.0	.0	.0	.0	.7	.0	.0
10	100.0	.0	.2	.7	.5	.0	.0
13	99.3	.0	.2	.5	.0	.0	.7
16	99.5	.0	.2	.0	.0	.2	.5
19	100.0	.2	.2	.0	.0	.0	.0
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	.0	.2	.0
4	99.8	.0	.0	.0	.2	.5	.2
7	100.0	.0	.0	.2	.2	.0	.0
10	99.8	.0	.2	.2	.2	.2	.2
13	99.8	.2	.5	.5	.0	.0	.2
16	99.5	.0	.0	.0	.2	.2	.5
19	100.0	.2	.2	.2	.0	.0	.0
22	99.8	.0	.0	.0	.0	.2	.2

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

JULY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	9.0	92.3	79.5	76.9	84.6	76.9	84.6	74.4	51.3	38.5	28.2
4	12.9	91.1	87.5	85.7	76.8	80.4	73.2	63.6	48.2	32.1	37.5
7	24.0	93.3	80.8	76.0	79.8	69.2	54.8	32.7	25.0	32.7	47.1
10	22.8	89.9	80.8	80.8	71.7	56.6	39.4	27.3	33.3	51.5	45.5
13	28.1	88.5	83.6	77.9	56.6	33.6	23.8	31.1	45.9	41.8	54.1
16	30.4	87.1	78.0	65.9	31.8	24.2	30.3	50.8	43.2	55.3	50.8
19	28.2	69.7	49.2	39.3	28.7	33.6	49.2	43.4	54.1	50.8	46.7
22	12.4	74.1	59.3	55.6	57.4	63.0	63.0	70.4	66.7	50.0	38.9

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	91.0	2.3	3.3	6.6	18.0	17.5	22.5	26.1	26.0	9.9	7.3
4	87.1	9.5	13.0	14.8	14.8	20.4	24.1	23.1	7.1	5.8	9.5
7	76.0	2.7	4.0	6.1	11.8	18.2	19.8	6.1	4.2	7.0	17.6
10	77.2	5.1	8.7	12.5	18.2	19.8	4.5	3.9	7.2	16.7	17.0
13	71.9	5.1	11.5	11.9	17.1	4.2	3.5	6.1	16.3	16.3	18.9
16	69.6	7.9	12.6	11.7	4.0	2.6	5.6	13.2	14.9	17.2	21.5
19	71.8	1.3	1.3	1.9	1.6	5.2	15.2	15.8	19.0	22.3	21.4
22	87.6	2.4	2.4	2.6	6.8	19.2	17.9	22.9	25.3	25.7	9.7

JULY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	50.0	.0	50.0	50.0	50.0	.0
13	1.8	75.0	62.5	87.5	62.5	.0	12.5
16	6.2	66.7	51.9	33.3	7.4	.0	18.5
19	7.2	25.8	6.5	3.2	.0	.0	19.4
22	.5	50.0	.0	.0	.0	.0	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	9.0	92.3	79.5	76.9	84.6	84.6	28.2
4	12.9	89.3	85.7	85.7	75.0	71.4	37.5
7	24.0	93.3	80.8	75.0	79.8	53.8	47.1
10	22.1	90.6	83.3	82.3	71.9	38.5	44.8
13	27.0	88.0	81.2	75.2	54.7	24.8	53.8
16	26.5	86.1	76.5	67.8	35.7	33.9	52.2
19	22.2	80.2	59.4	49.0	36.5	58.3	50.0
22	12.2	73.6	60.4	56.6	58.5	62.3	39.6

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.4	89.5	68.4	73.7	84.2	63.2	31.6
4	6.7	100.0	89.7	86.2	72.4	55.2	20.7
7	12.0	84.6	76.9	73.1	67.3	34.6	34.6
10	10.8	85.1	74.5	70.2	53.2	25.5	36.2
13	11.1	87.5	75.0	66.7	50.0	27.1	35.4
16	12.4	94.4	74.1	63.0	29.6	29.6	44.4
19	9.5	78.0	48.8	39.0	34.1	53.7	34.1
22	4.8	61.9	61.9	57.1	57.1	57.1	19.0

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	100.0	100.0	.0	.0
4	.2	100.0	100.0	100.0	100.0	.0	.0
7	.2	100.0	100.0	100.0	.0	.0	.0
10	.2	100.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	.0	.0	100.0	.0
16	.5	50.0	50.0	50.0	.0	.0	.0
19	.7	33.3	.0	.0	.0	.0	33.3
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.5	50.0	.0	.0	.0	.0	.0
16	1.2	60.0	20.0	.0	.0	.0	.0
19	.2	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	.0	33.3	33.3	.0	.0
4	.9	25.0	50.0	75.0	25.0	.0	25.0
7	1.2	80.0	60.0	20.0	.0	.0	20.0
10	.2	.0	.0	.0	.0	.0	.0
13	.5	.0	.0	.0	.0	.0	.0
16	.5	.0	.0	.0	.0	.0	.0
19	.5	50.0	50.0	.0	50.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

JULY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	1.8	.0
4	100.0	.2	.0	.0	.5	6.2	.0
7	100.0	.0	.0	.5	1.8	7.2	.0
10	99.5	.9	.9	1.6	6.0	.2	.5
13	98.2	.9	3.1	4.7	6.1	.0	1.6
16	93.8	5.2	8.6	5.4	.0	.0	5.4
19	92.8	.5	.2	.2	.0	.0	6.0
22	99.5	.2	.2	.0	.0	.5	.5

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.0	2.3	3.3	6.6	18.0	21.3	7.3
4	87.1	9.3	12.7	14.8	14.3	19.8	9.5
7	76.0	2.7	4.0	5.5	10.3	12.2	17.6
10	77.9	4.1	8.0	11.2	13.6	4.7	16.6
13	73.0	4.1	7.9	8.5	10.2	3.5	18.0
16	73.5	2.5	3.1	5.7	3.8	5.6	17.2
19	77.8	.6	.9	1.8	1.5	15.2	15.0
22	87.8	2.1	2.4	2.6	6.8	17.3	9.4

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.6	1.0	1.0	3.6	8.7	8.7	3.4
4	93.3	4.2	5.4	6.7	6.4	9.4	5.7
7	88.0	1.6	2.4	2.4	3.4	6.1	9.7
10	89.2	.8	1.6	3.9	7.5	2.3	7.8
13	88.9	3.4	5.2	5.7	4.4	1.8	8.3
16	87.6	1.6	2.1	1.9	1.3	3.4	8.2
19	90.5	.0	.8	1.3	1.5	8.4	6.7
22	95.2	1.2	1.7	1.9	4.1	8.5	4.1

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.0	.2	.2
4	99.8	.2	.5	.0	.0	.5	.2
7	99.8	.0	.0	.0	.2	.7	.2
10	99.8	.0	.0	.2	.5	.0	.2
13	99.8	.5	.7	.5	.7	.0	.2
16	99.5	.0	.0	.5	.0	.2	.5
19	99.3	.0	.0	.0	.2	.2	.5
22	100.0	.0	.0	.2	.2	.2	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	.2	.5	.0
4	99.8	.2	.0	.2	.0	1.2	.2
7	99.8	.0	.0	.0	.5	.2	.2
10	100.0	.0	.0	.5	1.2	.0	.0
13	99.5	.0	.5	1.2	.2	.0	.5
16	98.8	.2	.2	.2	.0	.2	1.2
19	99.8	.0	.0	.0	.0	.2	.2
22	100.0	.0	.2	.0	.2	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	.2	.7	.9	.5	.7
4	99.1	.7	.5	.5	.0	.5	.7
7	98.8	.0	.0	.0	.5	.5	.9
10	99.8	.0	.5	.5	.5	.0	.2
13	99.5	.2	.2	.5	.5	.7	.5
16	99.5	.9	.5	.5	.0	.9	.5
19	99.5	.2	.0	.0	.5	1.2	.5
22	100.0	.0	.5	.7	.9	.2	.0

AUGUST

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	9.7	90.5	73.8	69.0	76.2	65.9	69.0	66.7	54.8	26.8	23.8
4	12.0	86.5	88.5	80.8	66.7	73.1	71.2	51.9	26.9	21.2	25.0
7	21.4	91.4	78.5	72.8	69.6	65.6	53.8	29.0	22.6	32.3	41.9
10	20.6	86.5	83.1	79.5	74.2	58.4	29.2	27.0	32.6	46.1	38.2
13	25.2	91.7	87.2	81.7	63.3	25.9	23.9	27.5	44.0	41.7	53.2
16	33.6	84.8	73.3	56.2	22.8	21.9	23.3	36.3	33.8	46.6	58.9
19	24.0	64.4	50.5	40.8	32.7	31.7	47.1	44.7	54.4	65.4	45.2
22	10.6	71.7	65.2	58.7	52.2	63.0	53.3	62.2	60.9	45.7	15.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	90.3	1.3	3.1	5.9	15.6	15.8	20.5	30.1	20.7	8.9	8.2
4	88.0	8.9	13.4	13.4	14.4	18.6	28.5	20.2	8.4	8.1	10.2
7	78.6	3.5	4.1	6.5	13.2	24.9	15.8	5.6	6.2	6.5	15.2
10	79.4	4.7	6.1	11.0	23.0	14.8	5.8	5.2	6.7	14.5	15.7
13	74.8	7.4	11.4	17.3	10.8	5.6	4.9	6.8	13.3	13.3	15.8
16	66.4	5.9	9.0	7.6	4.5	3.5	6.3	13.2	13.5	14.3	21.5
19	76.0	1.2	1.5	1.2	2.4	5.8	12.7	12.7	16.1	24.2	17.0
22	89.4	2.1	3.1	3.6	7.0	15.8	13.3	20.7	30.7	20.9	9.3

AUGUST

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	.0	.0	50.0	100.0	.0	.0
13	1.6	57.1	71.4	71.4	.0	.0	14.3
16	6.9	82.8	43.3	16.7	.0	.0	26.7
19	1.8	12.5	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	9.2	90.0	75.0	70.0	77.5	72.5	25.0
4	11.8	88.2	90.2	82.4	66.0	68.6	25.5
7	20.7	92.2	78.9	74.2	70.8	54.4	42.2
10	19.9	88.4	84.9	80.0	70.9	30.2	37.2
13	23.6	93.1	87.3	81.4	64.7	25.5	53.9
16	28.1	82.6	72.1	60.7	27.3	27.0	57.4
19	21.4	67.7	53.3	44.6	34.4	49.5	47.3
22	10.4	73.3	66.7	60.0	53.3	52.3	15.6

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	95.2	76.2	71.4	61.9	47.6	23.8
4	5.8	96.0	84.0	64.0	50.0	68.0	24.0
7	8.8	84.2	76.3	51.4	57.9	39.5	26.3
10	7.4	90.6	78.1	75.0	59.4	15.6	18.8
13	11.8	96.1	94.1	78.4	41.2	17.6	33.3
16	16.8	81.9	65.8	45.2	18.1	23.3	42.5
19	10.1	70.5	55.8	31.8	25.0	31.8	36.4
22	3.9	88.2	58.8	58.8	52.9	56.3	5.9

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	100.0	50.0	50.0	50.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.9	75.0	50.0	50.0	25.0	.0	.0
10	.5	50.0	50.0	50.0	.0	.0	.0
13	.5	50.0	50.0	50.0	50.0	.0	.0
16	.5	100.0	100.0	100.0	.0	.0	.0
19	1.2	40.0	40.0	20.0	20.0	40.0	.0
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.5	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.7	66.7	33.3	33.3	.0	.0	33.3
16	1.6	42.9	.0	.0	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.2	100.0	100.0	100.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.5	50.0	.0	.0	.0	50.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.7	33.3	.0	33.3	.0	.0	.0
13	.9	75.0	25.0	.0	.0	.0	25.0
16	1.6	14.3	14.3	.0	.0	.0	.0
19	.5	.0	.0	.0	.0	.0	.0
22	.2	100.0	100.0	100.0	.0	.0	.0

AUGUST

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.5	.5	.0	.0	1.6	.0
4	100.0	.2	.0	.0	.5	6.9	.0
7	100.0	.0	.0	.5	1.6	1.8	.0
10	99.5	.5	.7	1.4	6.5	.0	.5
13	98.4	1.4	.9	5.9	1.9	.0	1.4
16	93.1	3.0	4.7	.7	.0	.0	5.9
19	98.2	.0	.2	.0	.0	.0	2.1
22	100.0	.0	.0	.0	.0	.5	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	90.8	1.0	2.8	5.8	15.0	18.6	7.6
4	88.2	8.6	12.8	12.5	13.8	22.7	9.9
7	79.3	3.2	3.8	5.8	11.3	12.8	14.5
10	80.1	4.0	5.2	9.5	17.3	5.5	15.3
13	76.4	6.0	10.3	11.5	8.2	4.2	14.2
16	71.9	2.6	4.2	6.1	3.8	5.8	16.7
19	78.6	1.2	1.5	1.2	2.3	12.3	13.8
22	89.6	2.1	2.8	3.1	6.7	15.7	9.0

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	.5	1.9	2.4	6.1	10.0	3.9
4	94.2	3.9	4.9	5.4	4.9	13.7	4.6
7	91.2	2.3	2.3	3.3	7.3	7.3	6.6
10	92.6	2.7	5.0	6.5	13.2	3.0	6.7
13	88.2	3.4	5.5	8.6	6.0	3.1	8.9
16	83.2	2.8	2.8	3.0	1.1	2.2	11.6
19	89.9	.0	.5	.8	2.6	5.6	7.4
22	96.1	1.2	1.7	2.4	3.6	5.8	4.1

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.7	.5	.5
4	99.8	.7	.7	.9	.5	.5	.2
7	99.1	.2	.2	.0	.2	1.2	.9
10	99.5	.0	.0	.2	.5	.2	.5
13	99.5	.5	.2	.2	.9	.5	.5
16	99.5	.7	.9	.7	.2	.2	.5
19	98.8	.0	.0	.0	.2	.5	1.2
22	99.8	.0	.2	.5	.2	.5	.2

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.2	.5	.0	.7	.2
4	99.5	.2	.2	.0	.2	1.6	.5
7	100.0	.0	.2	.2	.7	.5	.0
10	99.8	.2	.2	.7	1.6	.2	.2
13	99.3	1.4	1.4	1.4	.5	.2	.5
16	98.4	1.4	.2	.5	.2	.5	1.6
19	99.5	.7	.5	.2	.2	.0	.5
22	99.8	.2	.2	.0	.5	.2	.2

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	.2	.5	.2	.9	.2
4	99.5	.0	.7	.2	.7	1.4	.5
7	99.8	.0	.5	.7	.9	.5	.5
10	99.3	.0	.0	.7	1.6	.2	.7
13	99.1	.5	.7	1.6	.5	.2	.9
16	98.4	.2	.5	.5	.2	.5	1.6
19	99.5	.5	.5	.2	.2	.5	.5
22	99.8	.2	.2	.0	.5	.7	.2

SEPTEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	8.6	86.1	83.3	72.2	77.8	63.9	75.0	72.2	58.3	44.4	36.1
4	9.0	94.7	92.1	89.5	73.7	73.7	68.4	52.6	52.6	42.1	44.7
7	18.6	82.1	75.6	70.5	66.7	59.0	46.2	35.9	28.2	33.3	38.5
10	18.3	87.0	88.3	81.8	75.3	51.9	36.4	26.0	33.8	42.9	41.6
13	21.7	92.3	84.6	78.0	54.9	35.2	28.6	29.7	41.8	41.8	44.0
16	26.9	84.1	69.0	53.1	30.1	24.8	23.0	36.3	38.1	39.8	46.0
19	16.7	67.1	57.1	50.0	38.6	38.6	51.4	47.1	57.1	52.9	37.1
22	10.7	80.0	71.1	57.8	64.4	64.4	53.3	62.2	60.0	44.4	42.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	91.4	2.9	3.1	3.1	13.0	14.1	16.7	22.7	12.8	7.6	6.3
4	91.0	3.7	8.9	11.5	12.8	16.5	22.8	13.1	6.5	5.5	6.3
7	81.4	2.0	3.5	6.4	11.4	19.6	9.9	5.0	4.4	4.4	14.3
10	81.7	2.9	6.1	8.2	16.0	8.7	5.0	5.0	4.4	13.4	13.1
13	78.3	6.7	10.9	12.8	6.1	4.0	3.3	4.3	12.5	11.9	14.9
16	73.1	3.9	5.5	3.3	3.6	2.9	4.9	12.4	11.1	14.3	19.5
19	83.3	.9	2.0	2.9	2.9	4.0	12.3	12.6	14.0	21.4	12.9
22	89.3	1.9	2.4	2.9	3.2	13.3	14.1	16.3	22.7	13.6	7.2

SEPTEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT. .

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	100.0	.0
7	.5	100.0	.0	50.0	50.0	.0	.0
10	1.2	40.0	80.0	80.0	100.0	.0	.0
13	2.4	70.0	70.0	70.0	.0	.0	.0
16	7.4	67.7	32.3	12.9	3.2	.0	19.4
19	1.9	25.0	25.0	12.5	12.5	.0	.0
22	.2	100.0	.0	100.0	.0	.0	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	8.1	85.3	82.4	73.5	79.4	76.5	38.2
4	8.6	94.4	94.4	91.7	75.0	66.7	47.2
7	16.4	84.1	82.6	73.9	71.0	49.3	37.7
10	16.0	91.0	88.1	82.1	71.6	38.8	40.3
13	19.5	92.7	84.1	75.6	59.8	30.5	46.3
16	20.0	90.5	78.6	67.9	38.1	28.6	46.4
19	15.2	67.2	57.8	50.0	37.5	54.7	37.5
22	10.2	79.1	74.4	55.9	65.1	51.2	41.9

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.2	86.4	68.2	54.5	77.3	68.2	40.9
4	4.8	100.0	85.0	85.0	80.0	60.0	45.0
7	10.2	74.4	67.4	69.8	65.1	44.2	34.9
10	10.0	90.5	81.0	71.4	61.9	33.3	47.6
13	10.2	86.0	79.1	72.1	51.2	32.6	34.9
16	12.4	84.6	75.0	55.8	28.8	25.0	40.4
19	8.6	75.0	58.3	44.4	41.7	58.3	30.6
22	4.5	94.7	89.5	78.9	63.2	52.6	36.8

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	100.0	100.0	50.0	.0	.0	50.0
4	.5	100.0	50.0	50.0	.0	.0	.0
7	2.4	50.0	20.0	20.0	10.0	10.0	30.0
10	1.0	50.0	50.0	50.0	50.0	.0	.0
13	.7	100.0	66.7	66.7	.0	.0	.0
16	1.2	40.0	20.0	.0	.0	.0	.0
19	.7	33.3	.0	.0	.0	33.3	.0
22	.2	100.0	100.0	100.0	.0	.0	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.7	33.3	66.7	66.7	33.3	.0	33.3
16	1.2	60.0	20.0	20.0	.0	.0	40.0
19	1.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	100.0	66.7	66.7	33.3	33.3	33.3
4	1.2	80.0	60.0	40.0	60.0	20.0	.0
7	.7	66.7	33.3	33.3	33.3	33.3	.0
10	1.0	50.0	100.0	75.0	25.0	25.0	.0
13	1.2	60.0	60.0	40.0	40.0	20.0	.0
16	1.2	100.0	40.0	40.0	40.0	.0	20.0
19	1.2	60.0	60.0	60.0	40.0	.0	20.0
22	1.0	100.0	50.0	50.0	25.0	.0	25.0

SEPTEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.2	.5	2.4	.2
4	99.8	.2	.0	.5	1.2	7.2	.2
7	99.5	.0	.0	1.0	2.2	1.9	.5
10	98.8	.2	1.0	1.4	6.3	.2	1.2
13	97.6	1.7	4.1	5.9	2.0	.2	2.4
16	92.6	2.1	1.5	1.0	.0	.3	5.9
19	98.1	.2	.2	.0	.0	.5	1.7
22	99.8	.0	.2	.0	.2	1.2	.2

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.9	2.8	3.1	2.8	10.9	14.5	5.7
4	91.4	3.4	7.6	9.4	10.4	15.6	5.7
7	83.6	1.4	3.1	4.6	9.4	8.5	12.3
10	84.0	2.8	5.1	7.6	10.2	4.8	11.0
13	80.5	5.0	6.8	6.5	4.4	3.0	12.4
16	80.0	2.1	3.6	2.1	3.3	4.5	13.7
19	84.8	.8	1.7	3.1	3.1	9.6	11.8
22	89.8	1.9	2.1	2.9	2.9	11.7	6.9

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.8	.8	1.3	2.0	6.5	7.0	3.5
4	95.2	3.3	5.5	6.5	6.5	10.0	3.2
7	89.8	.5	1.6	3.2	4.0	4.5	7.7
10	90.0	.3	1.6	3.4	6.9	1.3	5.8
13	89.8	2.7	4.8	5.6	3.7	2.4	7.4
16	87.6	1.6	2.2	1.9	1.1	2.4	8.2
19	91.4	.5	.8	.8	2.1	6.0	6.3
22	95.5	.5	1.0	2.0	2.5	8.0	3.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.2	.2	.2	2.4	.7	.2
4	99.5	.0	1.7	2.2	1.0	1.2	.5
7	97.6	.5	.2	.5	.5	.5	2.2
10	99.0	.7	.7	.2	.7	.2	1.4
13	99.3	.5	.5	.7	.7	.5	.7
16	98.8	.2	.5	.7	.2	.5	1.2
19	99.3	.0	.0	.2	.5	2.6	.7
22	99.8	.2	.2	.2	.5	1.4	.2

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	.0	.7	.0
4	99.8	.2	.0	.0	.0	1.2	.2
7	100.0	.0	.0	.0	.7	1.0	.0
10	100.0	.0	.2	.7	1.2	.0	.0
13	99.3	.0	.2	.7	.7	.0	.5
16	98.8	.5	.7	.7	.0	.2	.7
19	99.0	.2	.2	.0	.0	.0	1.0
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.0	.2	.7	.5	1.0	.7
4	98.8	.5	.0	.2	.2	1.0	1.4
7	99.3	.2	1.0	.7	1.0	1.0	.5
10	99.0	.0	.2	.5	1.0	.7	1.0
13	98.8	.5	1.0	.7	.7	.7	1.0
16	98.8	1.0	1.0	.7	.5	1.4	1.0
19	98.8	.0	.0	.2	.5	.5	1.0
22	99.0	.2	.7	.5	1.2	1.0	.7

OCTOBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	18.0	84.6	73.1	70.5	74.4	59.0	59.0	61.5	47.4	35.9	26.9
4	17.7	92.2	85.7	81.8	68.8	68.8	64.9	49.4	42.9	32.5	29.9
7	33.9	85.0	78.2	71.4	68.0	66.4	53.1	40.8	29.9	28.6	45.6
10	32.9	89.5	86.0	81.1	76.9	55.2	43.4	34.3	32.2	53.1	44.1
13	34.1	91.9	87.8	85.0	62.2	48.0	35.1	32.4	50.7	45.3	48.6
16	42.3	89.0	78.7	64.5	44.3	36.1	33.9	50.3	44.8	48.1	53.3
19	30.9	82.1	70.9	61.2	45.5	40.3	57.5	53.0	52.2	58.6	42.5
22	21.4	77.4	67.4	60.2	53.8	65.6	54.8	54.8	62.0	48.4	35.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	82.0	4.2	4.5	6.2	25.0	27.2	28.7	38.0	27.2	18.3	16.9
4	82.3	2.8	20.2	23.5	25.2	26.6	37.4	26.9	16.8	15.7	15.4
7	66.1	7.7	10.5	13.2	16.7	30.0	19.5	11.5	12.9	12.5	27.9
10	67.1	5.2	10.3	11.0	25.2	18.9	10.7	11.0	11.0	24.4	29.0
13	65.9	9.4	15.4	20.3	14.7	7.7	10.1	10.5	25.2	28.1	28.0
16	57.7	7.2	6.4	6.0	4.4	6.0	6.4	22.0	26.1	25.6	35.2
19	69.1	1.7	3.0	3.7	6.7	8.0	23.3	25.4	27.3	35.7	26.3
22	78.6	2.6	3.2	7.3	8.2	25.2	28.2	29.6	37.5	26.7	18.2

OCTOBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	83.3	33.3	50.0	33.3	16.7	16.7
4	1.2	60.0	60.0	60.0	80.0	60.0	20.0
7	.9	50.0	75.0	50.0	50.0	.0	.0
10	3.0	76.9	84.6	76.9	84.6	7.7	15.4
13	3.9	64.7	76.5	58.8	5.9	11.8	17.6
16	8.1	57.1	34.3	14.3	11.4	8.6	20.6
19	1.6	28.6	14.3	42.9	14.3	.0	.0
22	.9	25.0	.0	.0	.0	75.0	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	14.7	82.8	75.0	70.3	64.1	64.1	25.0
4	15.0	92.3	83.1	80.0	67.7	63.1	27.7
7	27.4	86.6	81.5	77.3	77.3	58.8	38.7
10	28.8	91.2	88.8	84.0	76.8	45.6	40.0
13	31.8	90.6	86.2	83.9	63.8	32.6	44.9
16	36.3	90.4	83.4	70.1	47.1	32.5	49.4
19	27.9	86.0	74.4	62.8	43.8	47.9	39.7
22	19.4	76.2	66.3	58.3	51.2	52.4	36.9

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.7	75.9	72.4	55.2	48.3	58.6	17.2
4	6.5	89.3	67.9	64.3	71.4	67.9	25.0
7	12.2	86.8	75.5	75.5	58.5	35.8	15.1
10	14.7	84.4	75.0	67.2	59.4	26.6	23.4
13	16.4	84.5	81.7	73.2	50.7	22.5	29.6
16	18.9	84.1	68.3	56.1	32.9	17.1	34.6
19	12.9	82.1	69.6	51.8	32.1	35.7	19.6
22	9.2	70.0	55.0	45.0	37.5	47.5	15.0

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	80.0	70.0	70.0	60.0	10.0	10.0
4	2.5	90.9	90.9	81.8	36.4	9.1	9.1
7	8.3	77.8	61.1	33.3	.0	5.6	25.0
10	3.9	58.8	23.5	11.8	11.8	11.8	29.4
13	.9	100.0	75.0	75.0	25.0	.0	25.0
16	2.5	54.5	45.5	36.4	18.2	18.2	18.2
19	2.3	60.0	40.0	30.0	30.0	20.0	20.0
22	1.8	100.0	87.5	75.0	62.5	25.0	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	66.7	.0	.0	.0	.0
4	1.4	33.3	50.0	33.3	16.7	.0	.0
7	1.4	16.7	16.7	16.7	.0	16.7	.0
10	.5	50.0	.0	.0	.0	50.0	.0
13	.2	100.0	100.0	100.0	100.0	.0	.0
16	1.8	50.0	37.5	37.5	.0	12.5	.0
19	1.8	50.0	37.5	25.0	.0	.0	.0
22	.7	33.3	33.3	.0	33.3	33.3	.0

OCTOBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.2	.2	.5	.5	3.7	1.2
4	98.8	.5	1.2	.2	2.1	7.5	.9
7	99.1	1.2	1.2	2.6	3.5	1.6	.9
10	97.0	.5	1.7	1.7	5.7	.7	2.6
13	96.1	3.6	5.3	6.0	1.4	1.0	3.4
16	91.9	2.8	1.3	.5	.0	.5	7.0
19	98.4	.7	.5	.2	1.2	.9	1.6
22	99.1	.7	.2	1.4	1.2	2.3	.9

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	85.3	3.8	4.1	5.4	21.1	26.2	13.8
4	85.0	1.9	15.4	18.2	22.0	31.5	13.0
7	72.6	7.0	9.8	10.5	14.6	16.2	23.2
10	71.2	5.2	9.1	10.7	19.8	8.7	26.0
13	68.2	6.4	10.5	14.2	11.1	7.4	27.0
16	63.7	4.4	3.6	3.6	3.3	5.4	29.7
19	72.1	1.0	2.6	2.6	4.5	19.5	23.6
22	80.6	2.0	2.6	5.1	6.6	24.6	15.4

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.3	1.7	2.5	3.0	9.6	13.3	6.2
4	93.5	1.5	5.2	8.6	10.8	15.6	5.4
7	87.8	3.4	5.0	6.3	10.5	9.7	11.8
10	85.3	1.6	5.9	7.6	11.9	6.2	13.6
13	83.6	3.6	5.5	8.3	5.5	3.9	14.9
16	81.1	2.0	2.9	2.8	3.7	4.3	16.2
19	87.1	1.1	2.4	2.9	3.2	8.7	12.2
22	90.8	1.8	1.8	3.0	3.6	11.7	8.9

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.2	.2	.9	7.1	.7	2.1
4	97.5	.7	5.9	6.4	3.1	2.4	2.4
7	91.7	.5	.8	1.3	1.0	2.0	6.8
10	96.1	.5	.7	.5	2.2	1.4	2.4
13	99.1	.5	.5	1.9	2.1	2.3	.7
16	97.5	.5	1.7	1.4	1.4	2.1	2.1
19	97.7	.2	.2	1.2	1.7	8.0	2.1
22	98.2	.5	.7	.9	1.4	3..	2.1

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.2	.0	.0	.0	.2	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.2	.2	.0	.2	.0	.0
13	100.0	.5	.2	.2	.0	.0	.0
16	99.8	.2	.2	.0	.0	.0	.2
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.7	1.4	1.4	.2	.5
4	98.6	.5	.9	.9	.2	1.9	1.2
7	98.6	.2	.5	.2	.2	1.6	1.4
10	99.5	.5	.7	.2	1.9	.5	.5
13	99.8	.5	1.6	1.6	1.6	.5	.2
16	98.2	.2	.9	1.2	.7	.9	1.9
19	98.2	.5	.7	.2	.5	1.4	1.9
22	99.3	.2	.5	.5	.9	.2	.7

NOVEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	31.9	89.6	79.9	75.4	73.1	75.4	76.9	74.6	61.9	47.8	42.5
4	30.7	83.7	85.3	82.9	84.5	83.7	79.1	62.8	52.7	48.8	46.5
7	44.0	88.1	87.0	86.5	82.2	78.4	61.1	50.8	45.9	41.6	52.4
10	49.9	91.9	91.4	85.6	80.4	61.2	52.2	46.4	41.6	52.2	58.9
13	52.6	93.2	88.2	88.7	62.9	52.0	47.1	41.6	53.4	59.3	58.8
16	56.0	86.4	74.5	66.4	54.9	49.4	40.9	54.0	59.1	62.1	63.8
19	40.2	85.2	76.9	72.2	60.4	50.3	61.5	66.3	70.4	66.9	50.9
22	34.8	85.6	76.7	74.7	61.6	65.1	71.9	74.7	71.9	58.2	49.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	68.1	2.8	7.7	9.8	30.4	37.9	41.3	47.2	30.1	28.7	26.6
4	69.3	4.1	15.1	26.8	34.5	38.8	45.7	30.2	26.8	24.1	22.7
7	56.0	8.9	16.6	20.9	29.4	38.3	23.8	22.1	20.4	20.9	38.7
10	50.1	7.6	13.8	20.0	31.9	19.0	17.1	16.7	18.1	37.1	41.9
13	47.4	11.1	16.1	19.6	15.1	15.6	14.6	17.1	35.2	40.7	47.7
16	44.0	11.4	9.2	7.0	9.2	9.2	16.2	33.0	39.5	42.7	47.6
19	59.8	3.2	8.4	9.6	12.4	16.3	33.5	39.8	42.2	49.8	32.7
22	65.2	1.8	5.1	8.8	13.1	33.9	39.1	42.3	48.5	30.3	27.0

NOVEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	50.0	16.7	16.7	.0	.0	.0
4	.7	33.3	33.3	.0	66.7	66.7	33.3
7	1.0	25.0	25.0	25.0	50.0	25.0	.0
10	2.4	50.0	40.0	70.0	50.0	.0	.0
13	5.0	57.1	57.1	61.9	19.0	14.3	.0
16	7.1	30.0	26.7	13.3	13.3	6.7	13.3
19	1.4	33.3	33.3	16.7	16.7	.0	.0
22	1.7	28.6	28.6	42.9	.0	28.6	14.3

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	29.3	90.2	82.1	78.0	72.4	74.8	42.3
4	28.8	84.3	85.1	81.0	83.5	76.0	43.0
7	41.7	88.6	85.1	84.6	78.9	61.7	49.7
10	46.8	92.9	91.8	85.2	80.6	52.0	57.7
13	49.5	93.8	88.0	87.0	62.5	46.6	57.2
16	51.4	91.2	77.3	68.5	54.6	41.2	59.3
19	38.3	86.3	77.0	72.0	58.4	59.0	50.3
22	32.4	86.8	77.2	74.3	61.0	69.9	46.3

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	15.7	84.8	72.7	65.2	66.7	59.1	27.3
4	15.5	86.2	83.1	78.5	80.0	70.8	41.5
7	19.0	88.7	84.8	82.5	68.8	48.7	33.7
10	23.6	84.8	78.8	74.7	74.7	42.4	38.4
13	26.2	90.9	84.5	77.3	48.2	35.5	42.7
16	29.5	83.1	71.8	54.0	45.2	30.6	42.7
19	17.9	78.7	78.7	68.0	56.0	50.7	34.7
22	16.4	85.5	69.6	68.1	52.2	59.4	31.9

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.1	76.9	69.2	53.8	69.2	38.5	.0
4	2.9	83.3	91.7	75.0	41.7	25.0	8.3
7	6.4	74.1	69.2	48.1	29.6	18.5	25.9
10	5.3	90.9	59.1	45.5	31.8	13.6	18.2
13	3.3	71.4	50.0	50.0	42.9	14.3	14.3
16	3.1	84.6	46.2	46.2	23.1	15.4	15.4
19	2.4	90.0	80.0	60.0	50.0	30.0	20.0
22	2.9	75.0	66.7	66.7	50.0	41.7	25.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.5	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	88.9	88.9	66.7	44.4	44.4	11.1
4	2.6	81.8	81.8	54.5	45.5	54.5	27.3
7	2.4	80.0	80.0	70.0	50.0	20.0	10.0
10	3.1	46.2	46.2	53.8	38.5	30.8	15.4
13	3.3	71.4	64.3	71.4	35.7	14.3	.0
16	4.3	61.1	50.0	44.4	50.0	16.7	22.2
19	2.6	63.6	81.8	63.6	18.2	.0	9.1
22	3.3	42.9	35.7	35.7	21.4	21.4	28.6

NOVEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.2	.2	.5	1.0	5.1	1.7
4	99.3	.5	.7	1.0	1.9	6.7	.5
7	99.0	.5	1.2	2.2	4.6	1.2	1.4
10	97.6	1.5	2.7	3.4	6.1	1.7	2.7
13	95.0	1.8	3.5	4.3	.5	1.0	5.3
16	92.9	2.3	1.3	.5	.8	.3	6.7
19	98.6	.5	1.0	1.4	1.4	1.4	1.7
22	98.3	1.0	1.5	1.0	.7	2.2	1.9

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	70.7	2.4	7.1	8.4	29.0	39.1	23.6
4	71.2	3.3	13.7	25.8	31.9	41.5	22.1
7	58.3	9.4	15.9	19.7	28.6	21.6	37.6
10	53.2	6.3	11.2	18.4	26.0	14.8	38.1
13	50.5	11.3	14.2	16.5	14.6	11.8	43.9
16	48.6	6.4	6.4	6.4	8.8	14.2	44.6
19	61.7	2.3	6.6	7.7	10.8	32.4	30.9
22	67.6	.7	3.9	7.4	12.3	36.6	25.7

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	84.3	2.0	2.5	6.2	10.2	20.1	13.0
4	84.5	1.7	4.8	8.2	13.3	22.0	9.9
7	81.0	5.3	6.5	9.7	16.2	10.6	15.9
10	76.4	6.3	7.8	11.2	15.6	8.1	19.7
13	73.8	3.5	10.0	12.6	7.1	8.1	20.0
16	70.5	2.7	2.7	2.7	4.4	8.1	24.0
19	82.1	2.6	4.3	5.2	6.4	12.5	14.8
22	83.6	1.1	2.0	4.8	7.4	17.1	13.4

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.9	.2	.5	1.2	4.4	2.2	3.4
4	97.1	1.0	2.2	4.4	4.2	2.5	2.9
7	93.6	1.0	2.0	2.3	1.5	1.3	4.8
10	94.7	1.3	1.0	1.0	1.5	2.3	4.8
13	95.7	.7	1.2	1.5	1.0	3.0	3.2
16	96.9	1.7	1.5	1.0	2.2	2.7	2.7
19	97.6	.7	.7	1.5	2.2	5.6	1.7
22	97.1	.0	.2	1.5	1.7	4.4	2.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.00.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.2	.0	.0	.5	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.5	.0	.0
13	100.0	.0	.0	.5	.0	.0	.0
16	99.5	.0	.0	.0	.0	.0	.5
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.2	.5	1.2	1.5	2.4	2.2
4	97.4	1.0	2.2	1.0	2.0	2.9	2.0
7	97.6	1.0	1.0	1.5	2.2	2.2	2.2
10	96.9	.5	.7	1.7	3.2	2.5	2.7
13	96.7	.5	1.0	2.0	1.5	2.0	3.4
16	95.7	.2	.2	.7	1.2	2.0	3.5
19	97.4	.5	.2	1.7	2.0	2.4	2.7
22	96.7	.0	1.0	1.2	2.0	2.5	2.5

DECEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	28.6	88.7	84.7	79.8	82.3	76.6	81.5	73.4	54.8	49.2	46.0
4	28.1	89.3	83.6	86.9	78.7	77.9	73.0	55.7	53.3	53.3	54.9
7	45.2	94.4	89.3	85.2	79.6	73.0	53.1	50.5	44.9	43.9	59.2
10	51.4	90.6	84.8	83.4	77.6	57.0	48.9	43.0	43.0	57.0	59.6
13	53.2	92.6	87.4	84.0	58.9	50.2	46.3	44.2	61.5	62.3	64.1
16	53.0	86.8	75.2	65.7	51.3	46.5	45.7	63.9	60.9	63.0	60.0
19	37.4	85.8	75.3	70.4	60.5	56.8	71.0	68.5	67.3	65.4	51.9
22	30.9	89.6	79.9	76.9	67.9	75.4	70.1	73.9	68.7	54.5	49.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	71.4	4.2	5.8	7.4	30.4	41.4	42.1	45.0	30.5	23.6	22.1
4	71.9	5.8	14.7	28.8	40.7	43.6	45.2	30.2	22.1	19.3	18.3
7	54.8	10.1	20.2	23.5	31.5	36.6	24.5	14.7	15.6	16.0	33.2
10	48.6	10.9	15.6	21.3	27.0	16.7	11.8	13.8	13.3	32.2	41.7
13	46.8	11.8	15.3	17.7	12.9	8.9	8.9	10.8	26.1	37.9	38.9
16	47.0	6.4	4.9	5.4	7.8	8.9	9.3	23.5	39.7	40.2	44.6
19	62.6	5.9	8.5	7.4	10.0	11.8	29.5	40.2	43.2	45.0	28.9
22	69.1	3.3	5.3	7.4	11.0	31.3	42.3	42.7	45.7	30.1	22.3

DECEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	60.0	20.0	20.0	40.0	20.0	.0
4	.9	50.0	50.0	50.0	.0	50.0	25.0
7	1.8	25.0	25.0	37.5	37.5	12.5	25.0
10	1.8	50.0	50.0	50.0	50.0	12.5	.0
13	4.1	83.3	83.3	66.7	16.7	5.6	11.1
16	5.3	52.2	43.5	26.1	8.7	4.3	8.7
19	2.1	33.3	33.3	22.2	11.1	11.1	.0
22	2.3	60.0	30.0	30.0	10.0	10.0	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	27.9	88.4	86.0	81.8	83.5	77.7	47.1
4	27.2	89.8	81.4	87.3	78.8	70.3	55.1
7	43.5	94.7	88.4	84.1	77.8	54.0	58.7
10	49.5	90.7	85.1	82.8	76.3	47.9	57.2
13	50.9	91.4	86.4	82.8	59.3	46.8	61.5
16	50.0	87.9	75.6	67.7	52.1	47.0	56.7
19	36.3	86.0	75.8	72.0	62.4	71.3	51.6
22	29.3	91.3	81.9	78.0	69.3	68.5	51.2

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	15.9	88.4	79.7	79.7	66.7	55.1	40.6
4	15.9	88.4	78.3	75.4	72.5	55.1	37.7
7	18.7	88.9	77.8	70.4	63.0	43.2	29.6
10	23.0	87.0	77.0	73.0	65.0	40.0	39.0
13	24.9	85.2	76.9	69.4	46.3	38.9	39.8
16	26.7	80.7	65.5	55.2	44.0	38.8	39.7
19	17.6	78.9	73.7	71.1	56.6	47.4	35.5
22	15.9	88.4	73.9	71.0	63.8	52.2	33.3

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	90.0	90.0	90.0	60.0	40.0	.0
4	2.5	90.9	81.8	63.6	36.4	9.1	9.1
7	4.4	68.4	47.4	42.1	21.1	10.5	15.8
10	3.0	69.2	46.2	38.5	15.4	15.4	23.1
13	2.5	18.2	27.3	36.4	27.3	18.2	18.2
16	1.6	83.3	57.1	57.1	57.1	71.4	14.3
19	1.4	66.7	50.0	66.7	66.7	33.3	16.7
22	1.6	85.7	85.7	85.7	71.4	42.9	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.8	50.0	33.3	33.3	16.7	25.0	.0
4	2.1	55.6	33.3	11.1	.0	33.3	11.1
7	2.1	66.7	44.4	22.2	22.2	.0	11.1
10	.7	100.0	100.0	33.3	66.7	.0	.0
13	1.8	62.5	50.0	62.5	12.5	25.0	.0
16	2.8	72.7	33.3	16.7	16.7	16.7	.0
19	.9	50.0	25.0	25.0	100.0	50.0	.0
22	.9	50.0	50.0	50.0	50.0	.0	.0

DECEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.5	.5	.7	1.4	4.0	.9
4	99.1	.7	1.4	1.4	1.9	4.9	.7
7	98.2	.9	1.2	1.2	3.5	1.9	.9
10	98.2	1.4	1.6	3.3	4.5	2.1	1.6
13	95.9	2.9	3.8	2.6	1.4	.7	3.8
16	94.7	1.5	.5	.7	1.9	.7	5.4
19	97.9	.9	1.4	1.9	.7	1.2	2.1
22	97.7	.7	1.2	.2	.7	1.4	1.9

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	72.1	3.5	4.8	6.1	28.2	40.7	20.9
4	72.8	5.4	13.6	27.2	38.6	42.4	17.4
7	56.5	10.2	19.6	22.9	30.2	22.5	31.4
10	50.5	9.6	14.6	19.6	24.2	11.0	41.1
13	49.1	10.3	12.7	16.0	12.3	9.0	38.0
16	50.0	5.1	4.1	4.6	6.5	8.3	42.4
19	63.7	5.1	6.9	5.1	8.7	27.5	27.3
22	70.7	2.9	4.2	7.5	10.4	41.0	20.2

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	84.1	1.6	2.5	3.8	9.6	19.2	11.6
4	84.1	2.2	3.8	7.9	13.7	21.4	12.3
7	81.3	9.3	12.2	12.2	16.1	11.6	16.1
10	77.0	5.7	7.2	10.5	15.3	8.7	18.3
13	75.1	6.4	11.3	12.6	8.0	8.6	19.0
16	73.3	4.7	4.1	3.8	5.7	8.2	21.4
19	82.4	2.8	4.2	4.2	7.6	12.6	13.2
22	84.1	2.7	4.7	5.8	7.4	17.5	12.3

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.9	.5	.5	3.1	1.7	2.1
4	97.5	.7	.9	2.8	2.1	1.4	2.1
7	95.6	.5	1.0	1.2	1.7	1.0	3.6
10	97.0	1.4	1.4	1.4	1.2	1.2	2.1
13	97.5	.5	.7	.7	.7	1.7	1.9
16	98.4	1.6	1.4	.5	.7	1.2	1.4
19	98.6	.0	.2	.7	1.2	3.7	1.2
22	98.4	.0	.5	.7	1.2	2.1	1.6

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.2	1.2	1.7	1.2	1.7	1.2	2.6
4	97.9	.9	1.9	1.9	.7	2.1	1.9
7	97.9	.7	.7	.2	1.4	.9	1.9
10	99.3	.9	1.9	1.6	2.3	.9	.7
13	98.2	.9	.9	1.6	.7	2.1	1.9
16	97.2	.7	.0	.5	.5	1.7	2.8
19	99.1	.7	.7	.7	1.6	1.6	.7
22	99.1	.2	.9	2.1	1.6	.7	.9

B.2 MODERATE WEATHER CONDITIONS

	LAUNCH	LANDING
Ground Winds	≤ 20 kts	≤ 15 kts Crosswind
Winds Aloft	mean monthly ±30 m/sec (5-15km)	mean monthly ± 30 m/sec (5 km interval)
Clouds	≤ 7/10	≤ 7/10
Visibility	> 3 mi.	>7 mi.
Ceiling	>4000 ft.	>4000 ft.
Precipitation	None Allowed	None Allowed
Thunderstorm	None Allowed	None Allowed
Thunderstorm in Glide Path	N/A	None Allowed

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
JAN.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AT T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	44.7	84.0	77.8	73.7	55.2	59.3	62.4	54.6	53.6	51.5	52.1	50.2
4	42.4	79.9	72.3	69.2	58.7	59.2	54.9	53.8	46.7	50.0	45.1	48.8
7	32.0	76.3	78.4	71.2	71.2	64.0	65.5	46.8	36.0	37.4	40.3	38.2
10	34.6	81.3	76.7	77.3	69.3	72.7	69.3	47.3	46.0	41.3	40.0	41.5
13	34.3	84.6	79.2	76.5	72.5	67.1	63.8	52.3	45.0	47.0	43.0	44.5
16	34.1	85.1	87.2	79.1	75.0	66.2	60.1	54.1	51.4	52.0	48.0	45.2
19	41.5	89.4	83.3	79.4	69.4	64.4	51.7	59.4	57.8	53.9	53.3	52.1
22	44.5	86.0	78.2	73.6	66.3	51.3	56.5	56.5	56.0	57.5	49.7	51.6

FEB.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AT T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	44.9	83.0	74.4	69.9	52.8	58.5	54.0	60.2	55.1	53.4	54.5	53.1
4	40.6	84.3	78.0	69.1	60.4	57.2	55.5	51.0	45.9	48.4	44.7	48.0
7	30.4	79.8	83.1	69.7	65.5	58.9	60.5	40.3	31.9	35.1	38.7	39.5
10	29.3	88.7	85.1	75.7	69.7	69.6	69.6	40.0	44.5	38.3	39.1	42.1
13	28.1	81.8	80.0	71.8	73.6	73.6	69.1	46.4	34.5	40.9	33.6	41.1
16	28.8	86.7	81.4	80.5	79.6	74.3	64.6	47.8	35.4	43.4	36.3	40.3
19	39.3	89.6	83.8	78.6	76.6	66.9	46.8	54.5	46.1	44.8	42.9	49.5
22	46.2	91.7	82.3	76.8	63.5	45.9	50.8	61.3	57.5	50.3	51.3	52.3

MAR.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AT T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	47.9	82.7	80.8	77.4	56.3	56.7	52.4	63.9	54.3	55.8	53.8	54.4
4	47.5	86.4	75.2	62.1	57.3	51.9	50.5	60.7	55.3	55.8	53.9	53.9
7	34.3	87.9	79.2	71.8	62.4	61.1	67.1	49.7	40.9	47.0	43.6	42.4
10	32.9	84.6	77.6	72.0	69.9	72.7	70.6	51.7	41.3	47.6	46.2	44.0
13	29.3	81.1	77.2	76.4	80.3	76.4	72.4	45.7	40.2	40.2	42.5	39.9
16	31.8	84.1	82.6	84.8	81.9	78.3	68.8	49.3	38.4	38.4	43.5	39.6
19	43.1	92.0	86.1	83.4	72.7	66.8	51.3	52.9	44.9	41.7	47.1	46.3
22	50.2	87.2	83.0	74.3	70.2	50.5	53.2	63.3	57.3	55.0	54.1	54.4

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
APR.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	54.3	83.8	77.2	76.3	57.9	71.1	59.6	70.2	66.7	71.5	66.2	62.6
4	54.8	82.6	70.0	65.2	71.7	61.3	56.1	66.5	63.9	69.1	68.7	62.4
7	43.8	86.4	78.3	81.5	69.6	64.1	70.7	59.8	53.8	52.7	51.1	49.3
10	46.2	84.5	76.3	72.2	66.0	68.0	73.7	64.4	57.2	58.2	56.2	55.2
13	40.0	8[illegible].3	75.6	75.0	76.8	78.0	79.8	66.1	61.3	58.3	57.7	50.2
16	39.8	85.6	80.[illegible]	82.0	83.8	79.6	73.1	60.5	55.7	56.9	52.1	47.4
19	48.8	90.7	89.8	86.3	81.0	74.1	62.4	66.8	64.9	61.5	59.5	56.0
22	58.3	88.2	83.3	78.4	74.3	59.2	66.5	69.4	67.3	67.8	66.1	64.8

MAY

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	65.4	89.1	88.4	85.9	69.0	65.5	61.3	75.4	77.5	73.9	72.9	70.5
4	68.2	85.1	69.6	70.3	64.5	64.9	57.1	76.7	75.7	73.0	74.0	72.1
7	53.7	84.5	80.7	75.1	71.2	63.5	56.2	66.5	61.8	56.2	60.5	57.4
10	53.5	82.8	81.9	78.4	65.5	58.2	75.0	64.7	57.8	55.2	54.7	55.3
13	50.2	83.0	75.7	72.0	66.1	79.4	84.9	63.8	60.1	56.9	55.5	53.0
16	42.9	80.6	76.9	71.5	83.3	87.6	83.9	62.9	50.0	51.6	51.1	45.6
19	41.0	91.6	94.4	91.6	88.2	86.5	72.5	57.9	44.9	46.6	46.1	44.9
22	58.5	90.6	89.0	86.6	82.3	66.5	65.0	69.7	64.6	66.5	64.6	62.9

JUNE

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	65.7	85.1	81.5	82.2	64.9	64.9	51.4	79.0	74.6	72.5	71.0	68.6
4	67.9	83.2	66.0	67.7	66.7	52.6	48.1	76.5	73.0	70.5	71.2	69.8
7	52.9	86.9	82.9	81.1	59.0	54.5	47.7	68.0	63.1	60.8	60.4	55.5
10	54.3	86.0	76.8	67.1	57.9	49.1	68.9	67.5	64.0	60.5	61.8	56.0
13	44.5	74.9	71.7	67.4	58.3	74.9	82.9	59.4	51.3	51.3	48.7	44.5
16	35.7	84.0	78.0	69.3	86.0	88.7	88.7	64.0	51.3	46.0	43.3	38.8
19	33.1	91.4	87.1	85.6	85.6	88.5	80.6	65.5	53.2	44.6	39.6	35.5
22	51.4	93.1	91.7	87.5	83.8	69.9	68.1	68.5	61.1	59.7	54.6	54.5

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
JULY

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	70.7	92.8	90.9	89.9	67.4	66.1	55.0	75.9	71.3	72.3	72.3	70.5
4	79.7	85.8	67.6	69.1	64.2	54.0	44.8	80.9	80.9	78.9	80.9	78.6
7	59.7	91.1	83.4	78.4	63.7	52.9	50.2	66.0	63.7	57.1	55.6	59.4
10	57.1	86.7	77.4	71.8	54.8	51.2	70.2	63.3	59.7	53.2	48.8	57.1
13	46.8	83.7	72.9	64.5	57.1	74.9	80.3	59.1	48.8	45.8	44.8	47.5
16	36.2	87.9	75.8	73.9	82.2	80.9	87.3	54.1	45.2	43.3	38.2	39.2
19	39.2	92.4	94.1	91.2	87.1	91.8	79.4	62.9	57.6	48.2	43.5	38.9
22	61.1	93.6	92.5	87.9	89.4	68.7	66.8	76.2	70.2	65.3	64.5	60.8

AUG.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	73.7	91.2	90.3	87.8	73.4	67.5	57.5	79.1	76.2	74.4	72.8	74.0
4	78.1	89.7	75.5	74.3	62.8	55.2	44.8	78.2	78.2	78.2	78.2	77.9
7	64.5	91.8	84.3	74.6	63.9	53.2	53.9	72.5	69.3	70.4	68.6	64.5
10	58.1	85.7	80.6	75.0	56.7	56.7	72.2	71.8	70.2	67.9	68.3	58.3
13	52.1	80.1	71.2	66.4	60.6	77.0	85.0	62.8	58.8	61.5	59.7	52.5
16	41.5	87.2	81.1	76.1	84.4	85.6	82.2	62.8	55.6	53.9	48.9	41.9
19	41.5	95.0	91.7	91.7	87.2	86.1	80.6	65.0	53.9	48.3	48.9	42.6
22	63.1	92.0	88.0	87.6	82.1	75.5	67.9	70.8	67.5	66.1	65.3	63.8

SEPT.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	61.4	89.1	86.8	84.5	65.5	63.2	48.8	71.3	64.3	62.8	63.6	61.0
4	69.0	89.3	72.1	66.2	64.1	50.7	47.2	75.5	70.7	69.0	69.7	68.1
7	52.4	81.4	78.2	73.2	55.9	50.9	53.6	60.0	54.1	52.3	53.2	51.2
10	52.9	76.6	71.6	64.9	59.0	62.2	70.3	64.4	56.3	57.2	51.8	51.4
13	41.4	78.2	76.4	69.5	66.1	73.6	78.2	55.7	44.8	45.4	43.1	40.5
16	39.0	84.1	81.7	80.5	82.3	80.5	86.0	52.4	44.5	40.9	39.6	38.8
19	42.6	88.3	83.2	85.5	81.6	84.4	73.2	59.2	48.0	41.3	39.7	41.0
22	54.3	86.8	86.0	81.6	84.6	69.3	68.9	68.4	57.9	57.0	58.3	52.6

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
OCT.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS A0 T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	59.0	82.4	77.3	78.1	62.9	61.7	56.6	67.2	62.9	59.0	55.9	59.0
4	57.4	83.1	73.5	65.9	63.1	56.6	58.2	66.3	59.4	56.2	55.8	59.2
7	46.5	81.7	77.2	72.8	62.4	63.9	66.8	57.4	51.5	47.5	50.0	48.2
10	45.6	84.8	75.8	71.2	67.7	71.2	71.2	59.6	50.0	48.0	46.5	48.8
13	41.7	79.6	76.2	72.9	74.0	72.4	72.9	54.7	47.5	41.4	40.9	43.3
16	41.0	82.0	79.8	80.9	79.2	74.7	70.8	61.2	48.9	44.9	43.3	45.9
19	47.2	82.9	82.4	81.0	74.1	71.2	61.5	61.0	53.2	48.8	45.9	49.5
22	56.0	85.2	83.1	75.7	72.8	59.3	58.8	65.0	60.1	57.2	55.1	57.1

NOV.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS A0 T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	58.6	86.6	79.7	75.6	59.8	67.5	63.8	67.5	64.6	64.6	64.2	62.6
4	55.0	86.1	79.7	64.5	66.2	65.8	67.5	61.5	58.9	58.0	57.6	57.6
7	45.2	84.2	74.2	74.7	68.9	70.0	66.8	51.6	47.4	51.1	52.1	47.4
10	49.0	82.5	77.7	72.8	74.3	73.3	75.2	59.7	58.7	59.7	55.3	52.9
13	45.7	80.2	78.1	78.1	74.5	73.4	74.0	59.9	53.1	56.3	49.5	51.9
16	47.6	89.5	83.5	84.0	81.5	75.5	68.5	63.0	61.0	54.0	52.0	55.2
19	50.5	91.0	85.8	84.4	75.5	70.8	53.3	67.0	60.4	59.9	59.4	58.3
22	56.7	88.2	84.0	77.7	70.6	55.0	61.3	66.8	60.5	65.1	64.3	62.9

DEC.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS A0 T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	55.5	83.8	79.3	78.4	54.8	61.4	62.2	69.3	63.9	59.8	60.2	63.1
4	54.4	81.8	75.4	61.0	60.6	64.0	61.4	66.5	62.3	62.7	62.3	62.2
7	41.5	82.2	81.1	77.2	71.1	65.6	73.3	54.4	47.8	52.8	51.1	47.7
10	45.2	89.8	82.7	80.6	71.9	74.0	71.9	56.1	50.0	47.4	54.1	53.0
13	43.8	79.5	76.8	75.3	79.5	76.8	73.7	56.3	51.6	56.3	53.7	53.2
16	44.9	83.1	87.2	85.6	83.1	77.9	70.8	59.0	59.0	57.4	51.3	53.9
19	51.6	92.0	87.9	85.7	80.8	74.1	57.1	66.5	63.4	58.0	62.1	60.8
22	55.1	87.4	83.7	81.2	75.3	57.3	63.2	65.7	64.4	59.8	57.3	60.6

JANUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	55.3	85.8	86.2	82.5	85.0	81.7	81.3	76.7	67.5	61.7	63.7
4	57.6	92.0	90.0	91.2	82.4	79.2	76.4	66.4	62.0	66.8	64.8
7	67.9	89.1	84.4	82.0	78.9	78.2	67.3	62.6	65.0	65.0	74.5
10	65.4	88.0	87.7	84.9	81.7	72.5	65.8	67.3	68.0	74.6	72.5
13	65.7	90.9	89.8	84.9	72.3	64.9	60.7	65.3	76.1	73.7	72.6
16	65.9	87.4	80.8	76.9	69.9	67.8	67.5	75.2	74.1	74.1	73.1
19	58.5	86.6	81.1	81.5	76.0	75.2	83.5	77.2	78.0	76.8	67.7
22	55.5	89.6	84.2	81.7	78.0	83.0	79.7	79.7	76.3	68.9	62.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	44.7	13.5	20.2	26.8	46.6	45.4	46.4	52.6	47.4	47.9	49.0
4	42.4	14.1	23.4	36.1	42.4	47.3	51.6	47.8	46.7	44.0	52.2
7	32.1	18.0	20.1	30.9	37.4	40.3	40.3	41.0	41.0	48.2	59.4
10	34.6	16.0	22.8	29.3	36.0	32.0	36.0	38.0	43.3	59.7	55.3
13	34.3	16.8	24.2	29.5	32.2	37.6	38.9	48.3	56.8	53.0	55.0
16	34.1	16.2	15.5	23.0	27.7	36.5	43.9	58.5	52.0	52.0	53.4
19	41.5	8.9	13.9	18.9	30.6	37.2	49.7	51.7	50.6	51.7	45.0
22	44.5	10.9	18.1	26.4	36.3	52.6	50.3	50.3	53.9	45.1	46.6

JANUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	8.5	64.9	64.9	64.9	45.9	56.8	21.6
4	10.4	82.2	77.8	68.9	60.0	46.7	17.8
7	10.2	61.4	59.1	63.6	50.0	20.5	13.6
10	18.2	74.7	65.8	60.8	50.6	16.5	22.8
13	24.0	78.8	71.8	61.5	23.1	14.4	29.8
16	21.0	48.4	37.4	33.0	25.3	18.7	30.8
19	8.8	68.4	55.3	60.5	39.5	31.6	23.7
22	9.4	70.7	61.0	53.7	53.7	61.0	26.8

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	15.7	97.1	94.1	88.2	82.4	66.2	47.1
4	18.2	98.7	96.2	94.9	78.5	63.3	44.3
7	20.8	91.1	83.3	78.9	65.6	58.9	43.3
10	16.8	93.2	84.9	82.2	72.6	57.5	38.4
13	17.5	88.2	84.2	81.6	77.6	55.3	40.8
16	17.7	94.8	90.9	93.5	80.5	62.3	44.2
19	22.6	92.9	90.8	86.7	73.5	68.4	41.8
22	20.0	93.1	86.2	82.8	78.2	63.2	40.2

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	38.9	84.0	81.1	78.7	75.1	68.0	49.7
4	40.1	86.8	83.9	81.0	75.9	63.2	47.7
7	46.4	90.0	84.1	83.1	70.6	56.7	56.2
10	49.8	82.4	81.0	76.4	72.2	52.3	59.7
13	44.7	87.6	85.1	79.9	65.5	55.7	59.8
16	47.2	91.2	80.0	70.2	57.6	55.1	62.0
19	40.1	81.6	74.1	71.3	65.5	66.7	52.3
22	36.6	83.6	76.7	73.6	68.6	69.2	42.8

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	16.6	66.7	69.4	62.5	55.6	37.5	23.6
4	20.3	83.0	71.6	67.0	43.2	18.2	28.4
7	23.6	73.5	60.8	54.9	37.3	23.5	38.2
10	19.4	71.4	60.7	48.8	25.0	28.6	28.6
13	15.9	73.9	49.3	39.1	31.9	27.5	21.7
16	10.6	67.4	67.4	60.9	54.3	34.8	19.6
19	12.4	87.0	72.2	68.5	48.1	44.4	16.7
22	13.6	83.1	61.0	55.9	49.2	30.5	27.1

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.2	64.3	42.9	42.9	50.0	.0	21.4
4	5.5	87.5	91.7	83.3	16.7	.0	16.7
7	11.1	60.4	29.2	10.4	2.1	2.1	31.3
10	3.2	42.9	28.6	21.4	.0	7.1	.0
13	.7	33.3	33.3	.0	.0	.0	.0
16	.2	100.0	100.0	100.0	100.0	.0	.0
19	.5	100.0	100.0	100.0	50.0	50.0	.0
22	1.6	71.4	71.4	42.9	57.1	14.3	14.3

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	.0	.0	.0	.0	.0
4	.5	.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.4	94.7	73.7	73.7	47.4	47.4	15.8
4	7.4	71.9	59.4	56.3	25.0	18.8	21.9
7	7.6	78.8	66.7	48.5	48.5	21.2	15.2
10	6.9	66.7	46.7	43.3	20.0	13.3	3.3
13	7.1	54.8	35.5	45.2	25.8	6.5	9.7
16	5.5	58.3	45.8	50.0	37.5	25.0	4.2
19	5.8	68.0	48.0	52.0	24.0	28.0	12.0
22	6.9	63.3	50.0	23.3	33.3	23.3	3.3

JANUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.5	4.0	4.5	5.3	6.8	20.9	6.8
4	89.6	1.5	2.8	3.4	13.4	18.0	9.8
7	89.8	3.1	7.7	13.1	21.1	7.5	10.1
10	81.8	9.0	13.0	15.8	14.4	7.9	17.2
13	76.0	4.8	7.6	8.2	4.2	6.1	22.1
16	79.0	3.8	2.3	2.3	5.2	8.5	18.4
19	91.2	3.0	3.8	4.5	5.1	8.4	7.6
22	90.6	2.3	2.5	3.3	6.1	13.7	7.6

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	84.3	1.1	2.5	5.2	9.3	8.5	13.1
4	91.8	1.4	3.1	4.2	3.1	7.6	15.8
7	79.2	.3	.3	.6	5.0	13.1	18.1
10	83.2	.6	1.9	4.4	6.6	12.5	15.5
13	82.5	2.0	2.2	4.2	10.9	10.6	15.4
16	82.3	1.1	2.8	7.3	7.0	12.0	14.8
19	77.4	.6	.6	.6	2.4	10.1	16.7
22	80.0	.9	1.2	2.3	6.6	8.4	14.7

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	61.1	8.3	14.0	15.5	28.0	29.8	31.3
4	59.9	9.6	13.8	23.2	32.3	36.5	36.2
7	53.6	13.8	16.8	21.1	22.0	25.9	40.7
10	50.2	8.7	10.6	13.3	22.5	21.1	41.3
13	55.3	10.8	15.5	20.8	19.6	24.6	34.2
16	52.8	10.9	13.1	13.1	17.9	27.9	35.4
19	59.9	8.1	10.0	13.5	20.4	35.1	31.5
22	63.4	7.3	15.6	18.2	24.7	39.6	33.1

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	83.4	4.7	9.7	11.9	17.2	11.6	16.0
4	79.7	6.4	9.0	12.5	13.3	8.7	18.5
7	76.4	5.7	7.3	8.5	9.4	9.1	19.4
10	80.6	3.7	7.2	8.0	7.1	10.0	17.4
13	84.1	4.1	3.8	5.2	8.8	15.3	15.1
16	89.4	4.4	6.2	6.7	8.8	18.8	9.8
19	87.6	5.3	3.9	5.8	12.9	20.8	12.1
22	86.4	6.1	10.1	11.2	16.0	17.9	11.7

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.8	1.4	2.9	4.3	9.8	.7	2.6
4	94.5	2.4	3.4	6.8	2.4	.2	4.9
7	88.9	2.6	2.3	2.3	.5	.3	9.1
10	96.8	.2	.0	.0	.2	1.4	3.6
13	99.3	.2	.0	.2	.5	3.2	.7
16	99.8	.5	1.2	.2	1.4	5.5	.2
19	99.5	.2	.5	1.2	3.0	11.4	.5
22	98.4	.9	1.4	2.6	4.7	3.3	1.4

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.5	.2	.0	.2
4	99.5	.0	.0	.2	.2	.0	.5
7	99.8	.2	.5	.2	.0	.2	.2
10	99.8	.0	.0	.0	.0	.0	.2
13	100.0	.0	.0	.0	.2	.2	.0
16	100.0	.0	.0	.2	.0	.5	.0
19	99.8	.0	.0	.0	.2	.2	.2
22	100.0	.0	.0	.2	.5	.2	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.6	3.1	3.4	4.3	5.8	5.3	3.9
4	92.6	3.5	3.0	3.7	5.5	4.5	6.2
7	92.4	1.5	3.8	3.5	3.8	4.5	7.0
10	93.1	2.7	3.7	4.5	4.5	6.4	6.9
13	92.9	2.2	2.0	2.5	4.2	4.2	6.7
16	94.5	2.2	3.7	3.2	5.1	6.3	5.4
19	94.2	2.9	2.9	4.2	3.2	6.4	5.1
22	93.1	1.5	3.2	3.0	5.4	5.4	7.2

FEBRUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	55.1	94.4	90.7	87.0	85.6	88.0	85.2	81.9	69.4	63.9	62.5
4	59.4	94.0	90.1	89.3	88.4	86.7	81.1	70.4	65.2	64.4	68.2
7	69.6	89.7	83.2	83.5	83.9	80.6	68.1	62.3	61.2	62.3	69.6
10	70.7	93.5	91.0	90.6	83.8	69.3	61.7	59.6	64.6	70.4	71.8
13	71.9	93.3	89.7	86.5	71.6	63.8	60.6	64.9	70.6	73.4	74.8
16	71.2	89.6	83.5	76.3	67.4	64.2	67.0	72.4	76.0	77.1	73.5
19	60.7	86.1	82.4	77.3	73.1	73.5	78.2	78.6	80.3	73.9	63.9
22	53.8	86.3	82.0	81.5	77.3	80.6	80.6	83.4	77.7	70.6	62.1

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	44.9	15.3	20.5	25.6	50.0	49.4	55.7	58.0	50.0	41.5	42.6
4	40.6	11.9	18.9	40.9	44.7	50.3	56.6	46.5	37.1	37.7	41.5
7	30.4	19.3	32.2	41.2	44.5	49.6	43.7	34.5	36.1	46.2	65.5
10	29.3	7.0	17.4	27.0	40.9	40.0	34.8	39.1	40.0	63.5	63.5
13	28.1	16.4	26.4	31.8	32.7	28.2	35.5	38.2	62.7	59.1	60.0
16	28.8	13.3	18.6	22.1	20.4	27.4	33.6	58.4	53.1	54.9	61.9
19	39.3	9.7	14.9	17.5	23.4	32.5	53.2	55.2	55.8	64.3	54.5
22	46.2	8.3	16.6	21.0	34.3	54.1	56.4	55.8	61.3	48.1	44.2

FEBRUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	10.5	82.9	68.3	68.3	63.4	63.4	12.2
4	11.0	83.7	79.1	76.7	76.7	55.8	30.2
7	12.5	81.6	77.6	73.5	69.4	28.6	24.5
10	24.7	84.5	73.2	75.3	62.9	24.7	37.1
13	31.1	89.3	79.5	71.3	23.8	20.5	42.6
16	29.6	75.0	51.7	30.2	29.3	23.3	31.9
19	9.9	69.2	53.8	48.7	35.9	28.2	10.3
22	11.7	56.5	56.5	58.7	54.3	58.7	26.1

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	24.0	95.7	92.6	89.4	89.4	73.4	48.9
4	24.5	97.9	96.9	97.9	92.7	75.0	49.0
7	29.6	89.7	82.8	81.0	72.4	54.3	48.3
10	25.0	92.9	89.8	85.7	79.6	56.1	46.9
13	25.0	91.8	90.8	86.7	73.5	59.2	49.0
16	24.2	98.9	96.8	83.2	73.7	64.2	50.5
19	25.3	90.9	84.8	79.8	72.7	68.7	47.5
22	20.9	95.1	87.8	87.8	76.8	69.5	48.8

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	35.2	87.0	79.7	75.4	71.7	65.9	48.6
4	39.0	86.3	81.0	81.7	78.4	68.0	56.2
7	46.4	85.2	78.0	80.2	70.9	59.3	53.3
10	47.7	87.7	83.4	79.1	72.7	48.1	52.9
13	45.2	87.6	80.8	76.8	68.4	52.0	53.7
16	45.7	88.8	82.1	73.7	57.5	55.3	53.1
19	41.3	83.3	77.8	69.1	64.2	61.1	50.6
22	35.2	79.7	72.5	71.0	65.2	65.2	42.8

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	15.8	83.9	71.0	61.3	43.5	40.3	19.4
4	17.6	87.0	75.4	63.8	47.8	29.0	30.4
7	18.6	78.1	60.3	58.9	41.1	27.4	31.5
10	16.8	68.2	59.1	50.0	31.8	31.8	24.2
13	14.0	76.4	70.9	52.7	34.5	32.7	21.8
16	13.0	74.5	54.9	49.0	51.0	39.2	19.6
19	14.0	81.8	74.5	58.2	50.9	40.0	25.5
22	15.8	64.5	56.5	59.7	50.0	38.7	24.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.8	85.7	85.7	71.4	42.9	.0	14.3
4	5.9	60.9	60.9	52.2	8.7	4.3	17.4
7	8.2	65.6	31.3	9.4	.0	.0	12.5
10	1.8	57.1	42.9	28.6	.0	.0	14.3
13	1.5	50.0	50.0	33.3	.0	.0	.0
16	1.3	40.0	.0	.0	.0	20.0	.0
19	.3	.0	.0	.0	.0	100.0	.0
22	.3	100.0	100.0	100.0	100.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.8	33.3	33.3	33.3	.0	.0	.0
4	.3	100.0	100.0	.0	.0	.0	.0
7	.3	.0	.0	.0	.0	.0	.0
10	.5	100.0	.0	.0	.0	.0	.0
13	.5	50.0	50.0	.0	.0	.0	.0
16	1.0	50.0	.0	.0	25.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.8	33.3	33.3	33.3	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.4	47.6	33.3	47.6	33.3	33.3	9.5
4	5.6	59.1	72.7	50.0	59.1	31.8	22.7
7	5.9	69.6	69.6	73.9	30.4	26.1	8.7
10	9.7	44.7	47.4	42.1	31.6	21.1	15.8
13	6.9	63.0	51.9	55.6	33.3	18.5	11.1
16	8.2	71.9	46.9	50.0	31.3	21.9	15.6
19	8.2	65.6	65.6	53.1	25.0	31.3	9.4
22	7.7	63.3	53.3	40.0	33.3	36.7	30.0

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FEBRUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	89.5	2.0	2.8	4.3	6.6	27.4	10.5
4	89.0	2.0	3.7	4.6	18.3	26.4	8.9
7	87.5	7.0	12.0	17.8	25.7	7.3	10.8
10	75.3	6.8	11.9	16.6	18.6	7.5	21.7
13	68.9	7.4	12.2	10.7	3.7	6.3	26.3
16	70.4	2.9	3.3	1.4	4.3	6.2	28.3
19	90.1	5.7	5.4	7.6	7.9	10.8	9.6
22	88.3	3.2	4.0	4.3	5.5	21.1	9.5

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	76.0	.7	2.7	4.0	10.7	9.7	12.1
4	75.5	1.0	3.0	7.4	3.0	7.8	12.2
7	70.4	.0	.7	1.4	5.1	13.0	17.4
10	75.0	1.4	2.7	4.8	5.8	9.2	13.6
13	75.0	.7	1.4	3.4	9.2	8.2	12.9
16	75.8	1.7	4.0	6.7	4.0	7.4	11.8
19	74.7	.7	1.0	1.0	3.4	12.3	17.4
22	79.1	1.6	2.9	3.2	6.5	9.4	13.5

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	64.8	9.8	13.8	19.3	32.7	33.9	29.9
4	61.0	8.4	14.2	23.8	28.0	31.4	27.2
7	53.6	15.2	19.1	19.5	22.9	25.7	39.5
10	52.3	3.9	8.8	14.1	21.0	23.4	41.0
13	54.8	7.9	14.0	20.0	19.1	23.7	37.7
16	54.3	8.0	12.7	14.1	16.4	24.4	38.5
19	58.7	6.1	8.7	11.3	17.0	35.2	34.8
22	64.6	7.5	13.0	17.7	24.0	36.6	31.5

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	84.2	4.8	8.5	9.4	13.9	9.1	14.8
4	82.4	5.0	7.7	9.0	10.2	9.6	14.6
7	81.4	6.9	6.0	7.2	7.8	11.0	15.0
10	83.2	4.9	6.1	6.7	9.2	12.6	14.4
13	86.0	4.5	4.7	6.5	10.7	12.8	12.2
16	87.0	2.9	5.0	8.8	10.6	14.1	11.1
19	86.0	3.6	7.4	8.9	9.8	14.5	11.0
22	84.2	1.8	4.5	7.3	11.2	11.8	14.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.2	1.8	2.6	4.7	7.5	1.6	1.6
4	94.1	2.2	1.9	5.4	1.4	1.1	5.1
7	91.8	2.5	1.9	1.1	1.7	.3	7.8
10	98.2	1.6	1.6	1.0	1.3	.3	1.6
13	98.5	.0	.8	.8	.3	1.8	1.6
16	98.7	.3	.5	.3	.3	5.7	1.3
19	99.7	.3	.5	.3	1.8	7.9	.3
22	99.7	.3	.8	1.5	5.6	1.8	.3

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.2	.0	.0	.0	.3	.5	.8
4	99.7	.0	.3	.3	.5	1.0	.3
7	99.7	.0	.5	.5	.5	.5	.3
10	99.5	.0	.3	.5	1.0	.8	.5
13	99.5	.8	1.3	1.0	.5	.8	.5
16	99.0	.0	.3	.5	.5	.3	1.0
19	99.5	.5	1.0	.8	.8	.3	.5
22	99.2	.0	.3	.5	.3	.5	.8

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.6	2.2	4.0	3.2	4.3	5.4	5.1
4	94.4	1.9	3.2	3.2	6.8	6.8	4.9
7	94.1	3.3	4.3	5.7	5.4	7.0	5.7
10	90.3	2.0	2.3	3.1	5.6	6.2	9.3
13	93.1	3.8	4.7	4.7	6.3	4.4	6.8
16	91.8	2.2	3.1	4.4	5.6	4.4	7.5
19	91.8	2.2	3.3	3.6	3.6	3.6	6.3
22	92.3	1.4	3.3	2.5	3.6	7.7	6.4

MARCH

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	52.0	89.3	83.9	80.4	84.4	81.3	84.4	79.6	70.1	58.9	63.8
4	52.5	89.0	89.9	90.4	82.8	83.3	80.2	68.7	61.4	66.2	61.4
7	65.7	88.0	84.9	82.7	82.4	79.6	69.0	60.4	63.7	61.1	71.9
10	67.0	90.0	89.6	88.9	83.8	70.2	58.8	63.3	60.7	71.0	69.6
13	70.7	92.8	89.2	86.3	71.8	60.3	63.6	62.4	72.9	74.1	74.2
16	68.1	90.2	81.6	75.9	64.3	66.3	62.0	73.9	74.8	75.9	71.8
19	56.8	87.0	80.9	76.7	72.2	67.5	76.0	75.9	76.4	72.2	63.7
22	49.7	84.1	81.4	79.4	74.0	80.9	77.6	80.9	73.4	67.3	60.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	48.0	13.9	18.3	22.1	45.2	51.9	56.0	55.8	42.3	39.4	40.9
4	47.5	12.1	22.9	38.3	49.5	56.6	54.9	43.7	36.6	38.0	44.7
7	34.3	16.8	30.9	36.9	48.3	46.3	33.6	29.1	32.2	38.9	54.4
10	33.0	21.0	26.1	33.6	35.9	29.4	30.8	31.5	38.5	55.2	62.2
13	29.3	17.3	23.6	23.8	20.5	23.6	26.8	31.5	48.8	50.4	64.3
16	31.9	12.3	16.1	15.9	18.1	23.9	34.8	48.6	50.7	61.3	61.6
19	43.2	7.5	11.2	14.4	27.3	35.3	52.4	55.6	64.5	63.6	50.3
22	50.3	12.8	17.4	26.6	33.0	50.9	56.9	61.8	63.8	48.6	40.6

MARCH

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.6	72.7	66.7	72.7	57.6	51.5	21.2
4	9.7	78.6	59.5	64.3	69.0	45.2	21.4
7	10.6	76.1	71.7	78.3	69.6	32.6	17.4
10	22.9	75.8	80.8	75.8	58.6	18.2	34.3
13	32.1	78.4	72.7	61.2	28.8	15.8	38.8
16	29.3	72.4	48.4	36.2	22.0	22.0	38.9
19	11.3	67.3	55.1	38.8	32.7	32.7	22.4
22	9.2	60.0	57.5	50.0	55.0	52.5	22.5

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	16.9	93.2	86.3	83.6	83.6	65.8	50.7
4	17.1	97.3	97.3	95.9	78.1	56.8	45.9
7	20.5	92.0	85.4	76.1	63.6	52.8	44.9
10	17.1	93.2	86.3	82.2	68.9	58.1	41.1
13	16.2	94.2	85.7	82.9	81.2	71.0	50.0
16	15.0	96.9	95.4	95.3	86.2	67.7	53.8
19	18.0	93.6	87.2	82.1	73.1	65.4	48.7
22	15.5	95.5	88.1	85.1	73.1	59.1	47.8

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	37.9	84.8	78.5	70.7	75.0	68.9	47.9
4	36.6	81.6	83.5	83.6	73.4	66.5	50.3
7	48.2	84.6	79.9	78.4	73.2	61.5	59.8
10	46.7	86.1	81.7	78.7	73.8	52.7	56.7
13	46.9	89.6	80.8	79.3	65.8	53.0	58.1
16	46.9	87.2	80.3	75.9	61.4	54.2	55.7
19	43.6	82.0	72.0	70.7	62.8	64.0	50.5
22	36.5	77.8	74.7	72.6	63.9	63.7	46.8

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	10.6	67.4	53.3	47.8	30.4	30.4	19.6
4	12.7	75.9	59.3	41.8	33.3	14.5	18.2
7	11.8	72.5	66.7	51.0	35.3	19.6	21.6
10	13.4	67.2	51.7	46.6	24.1	22.4	19.3
13	13.9	68.3	55.0	38.3	30.0	20.0	18.3
16	9.0	71.8	61.5	56.4	46.2	20.5	17.9
19	10.2	59.1	52.3	47.7	36.4	20.5	18.2
22	10.9	66.0	51.1	48.9	38.3	29.8	21.3

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	75.0	75.0	75.0	75.0	.0	.0
4	2.5	63.6	54.5	54.5	9.1	.0	9.1
7	6.0	57.7	34.6	15.4	.0	3.8	19.2
10	1.4	16.7	.0	.0	16.7	.0	.0
13	.7	33.3	66.7	.0	33.3	33.3	.0
16	.9	75.0	75.0	75.0	25.0	.0	.0
19	1.4	83.3	33.3	50.0	.0	.0	16.7
22	.7	33.3	.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	.0	66.7	.0	.0	.0
4	.7	100.0	66.7	33.3	33.3	.0	.0
7	.5	50.0	.0	.0	.0	.0	.0
10	.9	100.0	75.0	25.0	25.0	50.0	25.0
13	1.8	87.5	50.0	37.5	25.0	12.5	12.5
16	1.6	85.7	28.6	14.3	14.3	14.3	.0
19	3.9	58.8	41.2	35.3	5.9	.0	17.6
22	2.3	20.0	10.0	20.0	20.0	10.0	10.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	9.0	64.1	47.4	41.0	25.6	25.6	12.8
4	6.0	72.0	52.0	42.3	36.0	15.4	15.4
7	4.1	72.2	66.7	55.6	38.9	16.7	11.1
10	5.5	54.2	50.0	50.0	33.3	16.7	20.8
13	6.5	67.9	64.3	46.4	32.1	25.0	21.4
16	6.5	53.6	46.4	57.1	32.1	28.6	21.4
19	8.5	78.4	56.8	56.8	51.4	18.9	18.9
22	7.2	54.8	64.5	54.8	32.3	22.6	6.5

MARCH

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.4	2.5	4.3	4.5	6.7	30.6	7.3
4	90.3	1.3	3.1	4.8	17.9	27.6	8.7
7	89.4	6.2	14.2	16.3	27.6	8.8	10.6
10	77.1	12.3	13.3	18.9	20.4	6.6	19.2
13	67.9	9.6	14.6	14.3	3.1	4.8	29.7
16	70.7	3.3	1.0	1.0	3.9	4.9	25.8
19	88.7	3.6	3.1	5.5	5.2	8.6	11.0
22	90.8	3.8	3.1	4.1	5.3	19.6	7.9

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	83.1	1.4	1.7	3.6	7.8	6.1	10.9
4	82.9	1.9	2.5	5.0	4.7	6.4	11.9
7	79.5	.3	.6	2.0	4.1	9.0	15.4
10	82.9	1.1	1.7	2.5	3.6	6.4	13.1
13	83.8	.3	1.4	1.7	5.8	7.4	11.0
16	85.0	.5	2.7	4.6	3.0	8.7	9.5
19	82.0	.3	.6	.8	5.4	11.5	12.7
22	84.5	1.4	4.4	5.2	7.7	10.7	11.0

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	62.1	10.4	15.2	15.6	31.6	33.6	31.2
4	63.4	9.5	16.4	27.6	31.3	35.6	29.8
7	51.8	12.4	16.9	17.3	22.3	27.1	36.9
10	53.3	9.1	14.0	18.7	23.5	22.5	39.0
13	53.1	10.4	14.3	17.9	23.9	23.9	38.0
16	53.1	9.6	14.9	14.8	14.3	22.2	39.3
19	56.4	4.5	8.2	10.2	18.0	35.7	38.5
22	63.5	8.8	10.9	17.5	21.8	37.5	30.7

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	89.4	4.9	7.5	8.5	9.6	11.9	9.8
4	87.3	4.0	6.9	7.4	10.6	8.2	12.4
7	88.2	6.0	8.4	8.4	11.0	8.9	11.0
10	86.6	5.1	7.5	8.6	6.4	9.1	12.8
13	86.1	3.5	4.6	4.3	7.0	9.7	14.0
16	91.0	2.8	4.1	5.6	7.1	12.2	8.7
19	89.8	4.4	6.4	6.7	8.2	11.3	10.1
22	89.1	3.4	4.4	6.5	10.1	11.7	9.9

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.2	.7	1.9	5.4	.7	.9
.4	97.5	1.4	3.1	4.7	1.2	.9	2.6
7	94.0	.2	.0	.5	.7	1.2	5.1
10	98.6	.2	.5	.7	.7	.7	1.2
13	99.3	.7	1.2	.9	1.2	.7	.7
16	99.1	.9	.5	.7	.5	2.8	.9
19	98.6	.0	.0	.0	.9	6.1	1.2
22	99.3	.2	.7	.9	2.8	1.2	.7

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.5	.2	.5	1.9	.7
4	99.3	.2	.5	.2	.7	1.6	.7
7	99.5	.2	.5	.9	1.9	3.9	.5
10	99.1	.5	1.4	1.6	1.4	1.9	.7
13	98.2	.2	.9	.9	3.5	.5	1.4
16	98.4	.9	2.8	3.5	1.9	.5	2.4
19	96.1	.0	.2	1.0	.5	.5	3.6
22	97.7	.2	.2	.2	.2	.7	2.1

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.0	1.8	2.5	2.5	2.0	4.6	8.4
4	94.0	2.2	2.9	1.7	3.7	5.9	5.1
7	95.9	3.4	2.6	3.4	5.1	8.2	4.1
10	94.5	3.7	2.5	3.9	4.9	6.6	4.4
13	93.5	2.0	2.2	3.7	6.9	7.7	5.4
16	93.5	2.2	4.0	5.2	5.2	4.2	5.7
19	91.5	3.5	3.0	2.5	5.1	3.0	7.8
22	92.8	2.0	2.5	5.5	3.7	4.0	7.0

APRIL

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	45.7	79.7	74.0	74.0	76.6	75.5	75.5	74.0	64.6	52.6	58.3
4	45.2	85.8	86.3	83.7	76.8	75.3	74.2	64.7	51.1	55.3	53.2
7	56.2	86.1	82.2	77.5	77.1	76.3	65.3	52.1	56.8	54.7	66.9
10	53.8	90.7	86.3	85.8	81.0	66.8	54.4	61.1	57.5	65.9	62.4
13	60.0	85.3	84.9	86.1	70.2	54.4	60.7	56.7	66.7	64.3	70.6
16	60.2	89.3	80.2	73.9	57.7	59.7	55.7	66.0	64.4	70.0	68.8
19	51.2	84.2	77.2	69.8	68.4	63.7	73.0	69.8	73.5	70.7	63.7
22	41.7	85.1	78.3	77.1	71.4	76.0	73.1	74.3	74.9	65.1	51.4

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	54.3	12.7	19.7	21.1	39.0	35.5	46.9	48.7	39.9	32.5	33.8
4	54.8	14.8	22.6	33.5	34.8	47.4	48.7	40.0	33.9	36.5	37.4
7	43.8	12.0	21.2	23.4	38.0	39.7	33.2	28.3	29.9	31.5	41.8
10	46.2	12.4	21.6	29.9	36.1	33.0	26.8	26.3	29.4	44.3	42.8
13	40.0	11.9	20.2	21.4	22.6	22.6	21.4	26.2	39.9	36.9	40.5
16	39.8	10.2	17.4	16.8	17.4	22.8	27.5	40.7	36.5	41.3	43.7
19	48.8	6.8	9.8	12.2	20.5	24.4	38.0	36.1	42.9	46.3	36.6
22	58.3	13.1	17.6	22.0	25.3	41.6	39.2	47.3	47.3	40.0	33.9

APRIL

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.6	59.4	46.9	40.6	40.6	71.9	21.9
4	5.0	71.4	76.2	66.7	90.5	66.7	14.3
7	6.9	72.4	79.3	79.3	82.8	31.0	17.2
10	18.6	76.9	75.6	67.9	57.7	17.9	25.6
13	24.5	71.8	69.9	64.1	23.3	19.4	39.8
16	24.0	64.0	43.0	27.7	18.8	10.9	34.7
19	7.6	62.5	43.8	43.8	34.4	18.8	15.6
22	6.2	80.8	65.4	53.8	30.8	61.5	15.4

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	16.9	91.5	91.5	87.3	84.5	69.0	49.3
4	17.1	98.6	97.2	97.2	80.6	63.9	48.6
7	18.6	94.9	89.7	82.1	75.6	60.3	51.3
10	16.2	100.0	95.6	92.6	79.4	64.7	48.5
13	16.9	90.1	85.9	83.1	76.1	64.8	50.7
16	15.5	100.0	96.9	90.8	80.0	72.3	55.4
19	16.9	91.5	84.5	80.3	76.1	69.0	50.7
22	15.0	93.7	92.1	88.9	82.5	65.1	42.9

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	29.3	71.5	61.0	56.9	64.2	48.8	40.7
4	28.8	78.5	76.9	75.2	57.9	47.1	33.9
7	41.2	81.5	66.5	61.3	57.2	54.3	55.5
10	34.0	81.1	74.8	72.7	64.3	40.6	43.4
13	34.5	84.1	82.8	79.3	68.3	48.3	51.7
16	37.1	87.2	80.8	73.7	51.9	44.2	50.6
19	35.7	75.3	69.3	60.7	54.0	64.7	54.0
22	27.1	77.2	68.4	65.8	54.4	56.1	38.6

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.7	70.8	45.8	29.2	20.8	12.5	4.2
4	8.6	44.4	38.9	36.1	44.4	16.7	8.3
7	11.2	60.9	44.7	36.2	27.7	6.4	21.3
10	9.8	61.0	48.8	31.7	14.6	9.8	9.8
13	8.6	55.6	44.4	33.3	11.1	11.1	13.9
16	7.1	60.0	40.0	23.3	3.3	20.0	13.3
19	5.5	52.2	52.2	47.8	34.8	17.4	13.0
22	4.8	60.0	50.0	35.0	10.0	10.0	.0

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	100.0	100.0	.0	.0
4	1.7	57.1	57.1	42.9	.0	.0	.0
7	1.9	57.1	12.5	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.2	100.0	.0	.0	.0	.0	.0
16	.5	50.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.5	50.0	50.0	100.0	.0	.0	.0
7	.7	66.7	.0	.0	.0	.0	.0
10	1.0	50.0	25.0	.0	.0	.0	.0
13	1.4	50.0	50.0	33.3	.0	.0	.0
16	2.9	33.3	33.3	16.7	.0	8.3	.0
19	2.6	45.5	18.2	9.1	.0	.0	9.1
22	.7	66.7	.0	.0	.0	.0	33.3

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	44.4	22.2	22.2	11.1	22.2	.0
4	2.1	33.3	22.2	33.3	.0	22.2	22.2
7	2.4	20.0	10.0	.0	10.0	.0	.0
10	1.0	75.0	75.0	50.0	50.0	50.0	.0
13	3.3	57.1	57.1	35.7	21.4	35.7	7.1
16	5.2	36.4	40.9	22.7	27.3	4.5	4.5
19	2.9	41.7	33.3	41.7	16.7	8.3	.0
22	2.9	66.7	58.3	41.7	16.7	8.3	.0

APRIL

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.4	1.0	2.3	2.1	4.1	20.6	5.4
4	95.0	2.0	2.0	3.8	14.8	21.8	4.0
7	93.1	6.2	11.8	14.1	20.2	5.9	5.4
10	81.4	5.8	9.4	14.6	16.4	3.5	16.7
13	75.5	8.2	10.4	11.0	2.5	2.5	18.6
16	76.0	2.8	1.9	1.3	2.2	2.5	19.7
19	92.4	3.1	4.6	3.1	4.4	5.2	6.2
22	93.8	2.8	2.3	3.6	2.8	15.5	5.6

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	83.1	.0	1.4	2.9	5.2	6.3	10.0
4	82.9	.0	1.4	2.3	2.9	5.5	10.3
7	81.4	.6	1.2	1.2	3.5	7.0	10.5
10	83.8	.6	.9	2.3	3.1	5.4	9.1
13	83.1	.0	1.1	1.7	4.9	6.9	8.6
16	84.5	1.7	2.3	3.4	3.1	6.8	6.8
19	83.1	.3	.6	1.7	4.6	7.7	9.2
22	85.0	1.1	3.4	3.9	5.3	6.7	8.7

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	70.7	9.4	15.5	17.2	31.6	28.6	24.6
4	71.2	11.4	18.4	27.4	24.4	33.1	25.4
7	58.8	8.1	13.8	15.0	18.6	22.7	30.8
10	66.0	9.0	15.2	14.8	23.1	20.2	28.2
13	65.5	6.9	11.6	14.9	18.5	19.3	24.0
16	62.9	7.2	11.8	13.3	12.5	18.2	28.8
19	64.3	3.3	4.8	8.5	15.6	27.8	25.6
22	72.9	8.5	10.5	15.7	18.0	24.8	22.9

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.3	1.0	4.8	7.3	10.6	8.3	5.1
4	91.4	4.2	5.5	8.9	6.5	6.3	7.8
7	88.8	2.9	6.4	6.4	6.2	5.4	9.1
10	90.2	4.0	6.9	6.1	6.3	4.2	9.5
13	91.4	1.8	2.9	4.7	4.9	4.4	7.8
16	92.9	2.6	1.8	4.1	4.9	6.9	6.4
19	94.5	.8	1.5	2.3	3.3	10.1	4.5
22	95.2	2.2	4.7	3.5	7.7	9.5	4.5

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	1.0	1.4	1.7	.2	.2
4	98.3	.7	2.4	1.2	.0	.5	1.5
7	98.1	.7	.2	.0	.2	.0	1.7
10	100.0	.2	.5	.2	.5	.0	.2
13	99.9	.5	.2	.5	.0	.2	.2
16	99.5	.2	.0	.0	.0	1.4	.5
19	100.0	.0	.0	.0	.2	1.7	.2
22	100.0	.0	.2	.2	1.4	.2	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.5	.7	1.4	.0
4	99.5	.5	.0	.2	1.0	2.9	.5
7	99.3	.0	.2	1.0	1.4	2.6	.7
10	99.0	.2	.7	1.4	2.9	.7	1.4
13	98.6	1.0	1.9	2.4	2.7	.0	1.7
16	97.1	.7	1.5	2.2	.7	.2	2.2
19	97.4	.0	.7	.5	.0	.7	2.4
22	99.3	.2	.2	.0	.5	1.4	.5

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.5	.7	1.7	2.2	2.9	2.2
4	97.9	.2	1.7	1.7	1.0	4.9	1.7
7	97.6	.7	1.5	1.0	3.2	2.9	2.2
10	99.0	1.9	1.4	2.9	4.8	2.4	1.4
13	96.7	2.2	2.7	4.2	2.2	1.0	3.4
16	94.8	1.8	1.3	1.8	1.5	2.0	5.0
19	97.1	1.2	1.0	1.7	1.7	2.0	2.7
22	97.1	2.0	1.5	1.0	1.7	1.2	2.7

MAY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND E CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	34.6	86.7	74.0	66.0	74.7	72.7	72.5	78.7	78.0	62.0	47.3
4	31.8	86.2	83.3	84.1	76.8	81.0	83.3	84.8	63.8	51.4	45.7
7	46.3	88.1	78.6	76.1	72.0	78.6	73.1	59.7	46.8	44.3	58.7
10	46.5	91.1	85.6	84.6	81.2	77.7	59.9	49.5	45.0	56.9	59.4
13	49.7	86.9	89.3	87.4	83.7	62.3	52.1	44.2	57.2	59.5	63.1
16	57.1	88.7	83.9	82.3	60.1	48.8	42.3	57.3	60.5	63.2	71.4
19	59.0	84.0	72.7	64.8	49.2	42.6	57.0	59.4	62.4	69.5	69.9
22	41.5	81.1	68.9	63.3	50.6	61.1	63.3	65.9	71.7	73.3	51.7

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	65.4	10.2	9.9	13.7	31.3	32.7	37.7	45.8	48.9	30.6	26.8
4	68.2	13.2	28.7	28.7	32.4	35.1	44.9	47.0	31.1	25.7	24.3
7	53.7	12.9	17.2	21.0	30.5	38.6	46.8	25.8	22.7	19.7	34.8
10	53.5	8.6	16.4	19.4	36.2	42.7	25.4	20.3	19.0	36.2	34.9
13	50.3	13.3	21.1	27.5	34.9	21.1	16.1	18.3	34.4	33.5	37.2
16	42.9	13.5	21.5	28.0	16.7	14.0	16.1	30.6	27.4	32.3	39.2
19	41.0	7.9	6.2	7.9	11.8	14.6	29.8	27.5	32.0	40.4	43.8
22	58.5	7.5	11.8	13.0	17.3	35.0	34.3	38.6	47.6	49.2	32.7

MAY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	40.0	50.0	30.0	20.0	50.0	10.0
4	1.8	62.5	62.5	62.5	100.0	62.5	.0
7	3.2	71.4	78.6	78.6	78.6	28.6	7.1
10	10.8	76.6	74.5	72.3	46.8	23.4	21.3
13	16.6	63.9	56.9	40.3	25.0	5.6	27.8
16	15.0	53.8	40.0	30.8	23.1	6.2	24.6
19	6.2	59.3	51.9	48.1	11.1	22.2	14.8
22	4.8	57.1	33.3	28.6	19.0	47.6	28.6

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	10.4	95.6	84.4	80.0	80.0	56.8	35.6
4	10.4	95.6	93.3	93.3	86.7	51.1	44.4
7	13.8	90.0	85.0	85.0	69.5	51.7	40.0
10	12.2	96.2	83.0	78.8	62.3	58.5	41.5
13	11.3	85.4	77.6	75.5	73.5	53.1	39.6
16	10.4	97.8	97.8	97.8	84.4	60.0	40.0
19	12.2	90.6	88.7	81.1	67.9	56.6	35.8
22	10.4	97.8	91.1	84.4	68.9	64.4	37.8

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	25.1	87.2	72.5	58.7	72.5	55.0	35.8
4	22.1	76.0	74.0	72.9	60.4	77.1	33.3
7	35.5	81.2	72.7	66.9	63.6	68.8	48.7
10	34.3	88.6	82.6	75.8	74.5	51.7	50.3
13	33.3	87.5	90.3	88.2	79.2	47.2	45.1
16	42.9	88.2	83.3	82.3	56.5	34.4	58.1
19	49.1	78.9	65.7	59.2	42.3	51.6	63.8
22	31.8	73.2	63.0	55.8	43.5	52.2	43.5

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.9	46.7	40.0	33.3	13.3	16.7	20.0
4	7.1	41.9	38.7	32.3	29.0	12.9	12.9
7	6.9	60.0	46.7	43.3	26.7	13.3	6.7
10	7.6	66.7	57.6	48.5	18.2	21.2	24.2
13	8.1	60.0	51.4	45.7	22.9	20.0	17.1
16	7.8	55.9	35.3	32.4	29.4	8.8	17.6
19	5.8	76.0	40.0	40.0	20.0	12.0	16.0
22	6.5	57.1	39.3	35.7	17.9	17.9	14.3

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	100.0	.0	.0	.0
4	.9	75.0	75.0	.0	.0	.0	.0
7	3.0	53.8	7.7	15.4	7.7	.0	30.8
10	.7	33.3	.0	33.3	.0	.0	.0
13	.2	100.0	100.0	.0	.0	.0	.0
16	.5	50.0	.0	.0	.0	.0	.0
19	.5	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	.0	.0	.0	.0	.0	.0
4	.9	50.0	.0	.0	.0	.0	.0
7	.5	.0	.0	.0	.0	50.0	.0
10	2.1	66.7	44.4	33.3	11.1	.0	.0
13	4.2	72.2	61.1	50.0	16.7	.0	11.1
16	8.5	70.3	43.2	29.7	10.8	8.1	24.3
19	5.1	77.3	31.8	18.2	.0	.0	13.6
22	3.0	69.2	38.5	15.4	7.7	15.4	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	25.0	50.0	.0	.0	25.0	.0
4	2.5	27.3	18.2	27.3	.0	27.3	.0
7	2.5	36.4	36.4	36.4	36.4	9.1	9.1
10	3.5	60.0	53.3	66.7	26.7	26.7	.0
13	4.8	47.6	47.6	47.6	9.5	.0	4.8
16	6.2	51.9	29.6	25.9	14.8	3.7	7.4
19	4.4	57.9	26.3	21.1	10.5	.0	5.3
22	3.7	50.0	37.5	18.8	18.8	18.8	6.3

MAY

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	2.4	1.2	1.2	2.8	15.8	2.1
4	98.2	1.6	.9	2.1	9.2	14.1	1.6
7	96.8	3.3	5.2	8.6	14.6	5.5	2.9
10	89.2	3.6	7.5	9.8	11.1	2.6	9.3
13	83.4	7.2	7.8	10.0	2.5	1.7	13.9
16	85.0	3.3	1.6	1.9	1.6	.8	13.3
19	93.8	1.7	3.2	2.0	1.7	1.7	5.9
22	95.2	1.0	.5	1.0	.7	8.7	3.4

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	89.6	.3	1.8	2.3	6.2	6.2	6.7
4	89.6	1.8	2.8	4.6	3.6	5.7	5.7
7	86.2	.5	.5	.5	2.1	5.9	8.8
10	87.8	.3	1.0	2.1	3.1	3.7	7.6
13	88.7	1.0	1.3	2.1	4.4	4.2	7.6
16	89.6	.8	1.5	2.3	1.8	3.9	6.9
19	87.8	.3	.5	.5	1.6	7.1	8.4
22	89.6	.5	.8	1.0	2.8	5.7	7.2

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	74.9	5.8	6.5	9.8	23.1	25.9	21.2
4	77.9	11.5	24.3	24.9	26.9	33.1	18.9
7	64.5	8.9	13.2	16.4	16.5	38.2	28.6
10	65.7	5.6	8.8	10.9	26.3	21.4	26.3
13	66.7	8.0	16.3	20.4	34.3	13.8	27.4
16	57.1	12.6	19.8	24.2	13.3	12.9	31.9
19	50.9	7.2	5.4	5.4	8.1	20.4	35.3
22	68.2	5.7	9.8	10.5	12.2	26.4	25.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.1	3.5	4.2	5.2	6.4	7.4	5.9
4	92.9	4.2	4.2	5.0	6.0	7.4	7.4
7	93.1	3.5	2.7	5.0	6.7	5.2	6.9
10	92.4	2.7	3.7	4.7	7.0	5.2	6.0
13	91.9	2.8	4.0	4.5	4.3	5.8	7.1
16	92.2	2.5	3.5	3.5	4.5	7.7	7.0
19	94.2	2.7	3.7	4.4	6.1	6.6	6.1
22	93.5	3.7	3.4	4.9	7.1	6.7	6.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.5	.7	.7	3.0	.2	.2
4	99.1	.7	3.3	3.0	.7	.5	.9
7	97.0	.2	.0	.2	.0	.5	2.1
10	99.3	.0	.0	.0	.5	.0	.5
13	99.8	1.2	1.4	.5	.5	.2	.2
16	99.5	.0	.0	.5	.0	.9	.5
19	99.5	.0	.0	.0	.2	3.0	.2
22	100.0	.0	.0	.2	.9	.5	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.7	.9	.9	.5	4.2	.9
4	99.1	.2	.9	.5	2.1	8.6	.9
7	99.5	.0	.7	2.1	4.2	4.9	.5
10	97.9	1.2	2.6	3.5	8.5	3.1	1.6
13	95.8	3.4	4.1	6.7	4.6	1.0	3.6
16	91.5	2.0	3.8	2.8	2.3	.3	7.3
19	94.9	1.5	1.5	2.2	1.0	.5	4.9
22	97.0	.5	.2	.5	.7	1.2	3.1

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	1.2	.9	2.6	2.6	4.7	.9
4	97.5	.7	1.7	1.9	3.5	5.7	3.1
7	97.5	.7	1.2	2.6	4.0	4.3	2.6
10	96.5	.7	.5	2.6	5.5	2.9	3.1
13	95.2	3.2	2.9	4.1	4.1	1.0	4.6
16	93.8	3.0	3.9	2.9	2.9	2.9	6.4
19	95.6	1.7	2.9	2.9	.5	2.9	4.3
22	96.3	1.9	1.2	.2	2.4	2.4	3.8

JUNE

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	33.8	76.6	65.2	65.2	70.2	68.1	75.9	83.7	84.3	67.9	55.1
4	31.7	83.3	84.1	81.8	75.0	80.3	87.1	86.3	67.9	53.1	49.2
7	46.8	85.6	81.5	76.9	77.4	85.1	80.9	63.4	43.2	41.7	60.4
10	45.3	88.4	86.2	87.8	88.4	83.5	55.4	43.5	43.0	60.8	57.0
13	55.2	91.7	90.0	90.0	85.2	64.2	44.5	43.2	58.1	56.8	66.1
16	64.0	92.9	89.5	86.8	66.2	45.5	42.0	59.1	56.4	68.6	78.0
19	66.6	87.4	71.1	65.7	43.4	41.6	58.8	54.4	65.7	76.6	79.5
22	48.1	80.0	61.4	56.3	48.7	61.9	58.4	70.1	80.7	85.2	64.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	66.2	12.0	15.9	14.5	34.8	33.7	44.6	54.0	57.6	38.0	22.8
4	68.3	13.7	30.3	30.5	31.6	43.5	53.3	57.5	38.9	24.6	22.5
7	53.2	9.5	15.3	17.6	35.6	45.5	54.1	34.7	25.2	21.6	32.4
10	54.7	9.6	18.4	28.1	43.9	52.6	33.8	25.4	21.1	32.9	32.9
13	44.8	21.4	22.5	32.1	43.9	28.3	20.3	16.0	29.9	27.8	40.1
16	36.0	16.7	22.0	30.7	16.0	12.7	11.3	21.3	21.3	29.3	37.3
19	33.4	5.6	10.8	12.3	13.7	10.1	19.4	23.0	31.7	36.7	36.7
22	51.9	5.6	8.8	13.0	14.8	30.6	30.1	39.8	47.2	47.2	33.8

JUNE

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	71.4	57.1	28.6	42.9	57.1	33.3
4	1.7	57.1	57.1	42.9	42.9	57.1	14.3
7	1.7	71.4	85.7	71.4	85.7	57.1	28.6
10	4.8	55.0	55.0	65.0	55.0	10.0	26.3
13	10.6	68.2	65.9	52.3	29.5	9.3	30.2
16	14.9	48.4	33.9	22.6	8.2	5.0	46.7
19	5.0	28.6	28.6	28.6	25.0	15.0	20.0
22	2.2	66.7	66.7	55.6	33.3	33.3	11.1

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.7	84.4	78.1	75.0	65.6	68.8	59.4
4	7.4	100.0	96.8	90.3	80.6	71.0	46.7
7	7.7	90.6	90.6	81.3	71.9	67.7	45.2
10	6.2	92.3	88.5	88.5	88.5	73.1	44.0
13	7.2	96.7	86.7	83.3	75.9	70.0	56.7
16	6.7	96.4	89.3	92.6	78.6	53.6	46.4
19	8.2	88.2	79.4	79.4	69.7	45.5	40.6
22	7.5	96.8	90.0	90.0	70.0	53.3	53.3

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	27.6	73.0	58.3	58.3	66.1	61.7	44.6
4	25.2	80.0	77.1	75.2	65.7	78.1	37.9
7	40.5	84.0	78.1	71.6	68.0	78.0	56.0
10	36.0	86.0	86.6	84.0	84.7	63.8	52.4
13	39.8	93.4	89.8	92.2	85.5	39.3	57.7
16	52.3	95.0	91.7	91.2	67.0	38.6	69.8
19	60.3	88.4	69.3	63.7	38.3	55.6	76.1
22	43.0	74.9	55.7	50.0	42.0	50.0	60.6

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.2	42.3	30.8	26.9	26.9	30.8	8.0
4	6.5	48.1	37.0	40.7	29.6	18.5	3.8
7	7.2	66.7	56.7	50.0	36.7	13.8	20.7
10	10.6	63.6	44.2	38.6	27.3	18.2	11.9
13	11.8	63.3	24.5	28.6	14.3	10.6	19.1
16	12.5	53.8	36.5	23.1	19.2	12.2	20.4
19	7.7	43.8	40.6	34.4	23.3	13.3	20.0
22	6.7	53.6	42.3	34.6	19.2	26.9	19.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	.0	.0	50.0	.0	.0
4	.5	.0	.0	.0	.0	.0	50.0
7	1.0	25.0	.0	.0	.0	25.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	1.0	75.0	25.0	.0	25.0	.0	.0
16	1.4	16.7	16.7	16.7	16.7	.0	.0
19	1.0	25.0	25.0	25.0	.0	.0	33.3
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	87.5	25.0	12.5	.0	12.5	12.5
4	1.2	40.0	20.0	.0	.0	20.0	.0
7	.7	66.7	.0	33.3	.0	.0	.0
10	2.6	72.7	36.4	45.5	9.1	.0	18.2
13	16.1	73.1	47.8	35.8	23.9	4.5	31.3
16	18.0	69.3	46.7	28.4	2.7	2.7	37.3
19	11.3	51.1	25.5	6.4	4.3	.0	19.1
22	1.4	33.3	.0	.0	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.1	58.8	41.2	35.3	35.3	23.5	13.3
4	3.1	53.8	46.2	69.2	30.8	53.8	18.2
7	3.6	60.0	40.0	40.0	33.3	60.0	25.0
10	2.2	66.7	55.6	55.6	66.7	44.4	.0
13	8.4	71.4	51.4	40.0	22.9	18.2	12.1
16	12.9	68.5	48.1	35.8	14.8	5.9	27.5
19	10.6	50.0	29.5	27.3	17.1	14.6	29.3
22	4.3	55.6	56.3	43.8	25.0	18.8	25.0

JUNE

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	1.7	.7	1.2	1.0	9.8	1.2
4	98.3	1.0	.7	1.0	4.1	14.1	1.5
7	98.3	2.4	3.7	3.7	9.3	4.2	1.2
10	95.2	1.5	5.6	7.8	12.8	1.8	3.0
13	89.4	8.6	9.4	10.5	2.2	.8	7.8
16	85.1	4.8	2.8	2.0	1.1	1.1	9.0
19	95.0	2.0	1.0	.8	.5	1.0	3.8
22	97.8	1.5	1.2	.5	1.0	3.2	2.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.3	.0	1.3	1.8	2.9	2.1	3.1
4	92.6	.3	.5	1.0	.3	1.6	4.2
7	92.3	.0	.0	.0	1.8	3.4	4.4
10	93.8	.3	1.3	1.8	1.3	3.1	3.6
13	92.8	.0	.5	.8	3.1	2.6	3.4
16	93.3	.3	1.5	2.3	2.3	3.9	3.4
19	91.8	.5	.5	.8	1.8	4.2	4.7
22	92.5	.3	.5	1.0	2.3	2.3	3.4

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	72.4	9.3	12.6	12.6	30.8	31.5	20.9
4	74.8	12.2	28.3	28.8	26.0	43.6	20.3
7	59.5	6.5	10.1	11.7	20.6	48.4	27.8
10	64.0	7.5	10.9	15.0	34.1	31.5	25.1
13	60.2	13.9	19.9	25.9	43.6	19.5	27.5
16	47.7	13.1	21.1	26.6	16.7	9.5	32.7
19	39.7	4.2	9.7	11.6	10.9	14.5	34.5
22	57.0	5.1	7.2	10.5	11.8	23.6	31.2

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.8	4.6	6.9	5.1	5.9	10.5	5.7
4	93.5	2.8	3.6	4.9	9.2	12.1	5.9
7	92.8	4.9	6.7	7.5	9.8	7.2	6.8
10	89.4	4.0	5.9	8.6	10.7	5.4	10.8
13	88.2	8.2	8.7	10.3	6.8	5.2	10.4
16	87.5	4.4	5.8	5.5	4.9	4.9	11.5
19	92.3	2.9	4.4	4.4	4.2	7.3	5.5
22	93.3	1.8	2.8	3.9	4.9	9.8	5.4

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.7	.2	.5	.7	1.0	.5
4	99.5	.2	1.9	1.0	.0	1.4	.2
7	99.0	.0	.2	.0	1.0	.7	1.0
10	100.0	.2	.7	1.0	1.4	.2	.0
13	99.0	1.0	.2	1.5	.7	.5	1.0
16	98.6	.2	.5	.7	.0	.5	1.5
19	99.0	.0	.0	.0	.5	1.0	.7
22	99.8	.0	.0	.5	.5	.0	.2

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	1.0	1.5	1.0	.7	16.1	1.5
4	98.8	1.0	.5	.7	2.7	18.0	1.2
7	99.3	.2	.7	2.4	16.2	11.4	.7
10	97.4	4.9	7.7	15.3	18.2	1.5	2.2
13	83.9	8.9	13.1	14.6	8.9	1.2	13.3
16	82.0	5.8	7.3	7.6	1.2	.9	13.9
19	88.7	1.4	1.4	.8	1.4	.8	10.1
22	98.6	1.5	1.2	1.7	1.2	2.7	1.5

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.9	1.5	2.0	1.7	2.2	7.7	3.8
4	96.9	1.0	1.5	1.5	1.2	11.6	2.2
7	96.4	1.0	1.2	.7	7.5	8.7	3.0
10	97.8	2.0	3.9	7.4	11.8	3.4	2.2
13	91.6	6.3	6.8	10.5	9.4	2.9	7.9
16	87.1	4.4	6.9	6.9	2.8	2.2	10.7
19	89.4	3.5	3.8	1.6	2.7	2.4	8.4
22	95.7	2.5	2.0	2.5	1.8	1.5	3.3

JULY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	29.3	68.5	58.3	46.5	59.8	64.6	74.0	79.5	76.4	62.2	41.7
4	20.3	86.4	88.6	77.3	71.6	79.5	85.2	80.7	60.2	53.4	28.4
7	40.3	86.9	76.0	74.9	77.1	81.7	77.1	53.7	41.7	25.7	52.6
10	42.9	88.1	84.4	85.5	82.8	76.9	51.6	37.6	26.3	50.5	54.8
13	53.2	90.0	87.0	85.7	76.6	51.5	37.7	27.7	51.5	55.0	65.8
16	63.8	88.8	85.6	80.9	51.3	34.7	24.9	50.2	48.4	61.7	74.4
19	60.8	86.4	69.3	58.3	39.4	28.4	54.5	55.7	67.8	78.8	77.7
22	38.9	75.7	62.5	56.2	34.9	56.8	62.1	74.0	84.6	83.4	62.7

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	70.7	6.5	9.4	9.4	32.2	33.9	44.6	57.3	54.4	29.3	23.8
4	79.7	12.8	30.3	30.9	35.5	46.5	58.4	55.8	33.5	22.8	18.2
7	59.7	8.5	15.1	21.2	37.1	51.7	49.8	29.0	20.5	16.6	33.6
10	57.1	12.9	21.4	29.0	49.6	48.8	29.4	22.6	15.7	34.3	36.3
13	46.8	19.3	29.2	38.9	42.9	24.6	19.2	11.8	29.6	32.0	40.9
16	36.2	12.7	22.9	25.5	17.2	19.1	12.1	25.5	36.9	40.8	47.8
19	39.2	7.6	5.9	8.8	12.9	7.6	20.6	26.5	32.9	42.9	37.1
22	61.1	6.8	7.9	11.7	10.9	31.3	32.8	41.5	52.1	47.9	23.0

JULY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	33.3	.0	.0	33.3	.0
4	.7	33.3	.0	.0	.0	.0	.0
7	.5	50.0	50.0	50.0	50.0	.0	.0
10	1.8	50.0	50.0	37.5	37.5	.0	12.5
13	6.2	44.4	33.3	25.9	3.7	3.7	14.8
16	10.4	33.3	17.8	6.7	4.4	2.2	22.2
19	2.1	33.3	.0	11.1	11.1	.0	11.1
22	.7	33.3	33.3	33.3	.0	33.3	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	100.0	100.0	100.0	50.0	.0	50.0
4	.5	50.0	50.0	50.0	50.0	.0	50.0
7	.7	66.7	66.7	66.7	33.3	33.3	.0
10	.7	100.0	66.7	66.7	66.7	33.3	.0
13	.7	66.7	66.7	66.7	66.7	33.3	.0
16	.7	100.0	100.0	100.0	33.3	33.3	.0
19	.9	75.0	50.0	50.0	50.0	25.0	25.0
22	.5	100.0	100.0	100.0	100.0	50.0	50.0

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	27.6	69.2	61.7	48.3	62.5	67.5	43.3
4	19.4	84.5	89.3	78.6	71.4	79.8	26.2
7	39.2	87.1	76.5	74.1	71.2	77.1	51.8
10	39.9	88.4	84.4	85.0	80.9	52.6	54.3
13	45.4	87.3	86.8	83.2	78.7	40.1	59.4
16	52.3	91.2	90.3	86.3	56.4	27.3	68.3
19	59.2	87.5	68.9	59.1	38.9	54.9	75.9
22	37.8	75.6	62.0	54.9	34.8	61.0	62.2

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	33.3	22.2	22.2	11.1	.0	11.1
4	1.8	37.5	37.5	37.5	25.0	25.0	.0
7	3.0	53.8	30.8	15.4	7.7	.0	15.4
10	3.9	50.0	41.2	17.6	11.8	5.9	11.8
13	6.2	51.9	33.3	11.1	14.8	.0	18.5
16	8.3	50.0	13.9	11.1	11.1	5.6	11.1
19	5.3	47.8	26.1	13.0	.0	4.3	8.7
22	2.1	44.4	37.5	11.1	.0	22.2	11.1

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.2	100.0	100.0	.0	.0	.0	.0
7	.2	100.0	.0	.0	.0	.0	.0
10	.2	100.0	100.0	.0	.0	.0	.0
13	.7	.0	.0	.0	.0	.0	.0
16	1.4	16.7	16.7	.0	.0	.0	.0
19	.7	33.3	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	.0	.0	.0	.0	.0
4	.9	50.0	.0	.0	.0	25.0	.0
7	.9	50.0	.0	.0	.0	25.0	.0
10	1.8	100.0	75.0	75.0	50.0	.0	.0
13	18.2	79.7	59.5	54.4	20.3	.0	39.2
16	28.8	73.6	49.6	28.8	8.8	.8	49.6
19	12.4	44.4	31.5	16.7	.0	.0	24.1
22	4.1	55.6	5.9	.0	.0	5.6	16.7

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	50.0	25.0	25.0	25.0	.0
4	.9	75.0	50.0	25.0	25.0	75.0	.0
7	1.6	28.6	28.6	28.6	14.3	14.3	.0
10	2.3	20.0	30.0	40.0	30.0	10.0	.0
13	5.5	50.0	29.2	33.3	20.8	4.2	20.8
16	11.3	51.0	51.0	36.7	8.2	4.1	22.4
19	9.7	57.1	23.8	9.5	2.4	.0	19.0
22	3.2	21.4	15.4	7.1	7.1	14.3	7.1

JULY

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	.2	.7	.5	6.0	.5
4	99.3	.5	.5	.5	1.9	10.4	.7
7	99.5	1.6	1.2	1.6	6.0	2.1	.5
10	98.2	2.8	4.0	5.6	9.9	.7	1.6
13	93.8	7.1	8.9	9.3	2.0	.2	5.7
16	89.6	5.7	4.4	1.5	.3	.5	8.7
19	97.9	.9	1.2	.5	.2	.5	2.1
22	99.3	.5	.2	.2	.7	1.6	.7

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.5	.7	.2
4	99.5	.0	.5	.5	.5	.7	.2
7	99.3	.0	.0	.2	.5	.7	.7
10	99.3	.0	.0	.2	.2	.2	.7
13	99.3	.0	.2	.2	.5	.2	.5
16	99.3	.0	.2	.2	.2	.2	.7
19	99.1	.0	.0	.0	.0	.5	.7
22	99.5	.0	.0	.0	.0	.5	.2

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	72.4	6.1	8.0	8.3	30.3	36.9	21.7
4	80.6	12.6	29.4	29.7	32.3	45.7	17.7
7	60.8	6.8	13.3	17.8	28.8	47.7	32.6
10	60.1	9.2	13.4	19.2	33.3	28.0	33.0
13	54.6	11.9	19.5	26.6	43.0	17.3	35.0
16	47.7	12.6	23.7	29.5	17.4	10.6	36.7
19	40.8	6.2	4.5	6.8	11.3	18.6	37.3
22	62.2	6.7	8.5	11.1	10.0	29.6	22.2

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.2	1.6	1.4	2.8	6.4	1.9
4	98.2	1.2	1.6	2.3	3.5	8.0	1.6
7	97.0	1.4	2.1	3.6	6.2	5.5	2.4
10	96.1	3.1	7.2	5.8	8.2	1.9	3.1
13	93.8	3.9	7.4	8.1	4.7	2.2	5.4
16	91.7	5.8	6.5	4.8	1.3	1.3	7.8
19	94.7	2.9	2.2	1.5	2.2	2.7	5.1
22	97.9	1.4	1.2	1.9	1.6	3.1	2.1

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.5	.0	.2	.2	.7	.0
4	99.8	.0	.5	.2	.2	1.4	.2
7	99.8	.0	.2	.2	.7	.7	.2
10	99.8	.0	.7	.7	1.4	.0	.2
13	99.3	.2	.7	1.4	.7	.0	.7
16	98.6	.0	.7	.7	.0	.2	1.4
19	99.3	.2	.0	.0	.0	.2	.7
22	100.0	.0	.0	.0	.2	.2	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.7	.9	.9	18.3	.5
4	99.1	.2	.9	.9	1.9	28.8	.9
7	99.1	.2	.2	1.9	18.4	12.3	.9
10	98.2	4.0	9.9	17.1	28.4	4.2	1.9
13	81.8	10.7	19.5	23.1	10.7	.6	14.1
16	71.2	4.2	8.4	5.8	2.3	1.0	21.7
19	87.6	2.6	3.4	2.4	.5	1.1	10.8
22	95.9	.7	.7	.5	1.0	1.7	3.6

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.2	.9	.7	1.4	5.3	.7
4	99.1	1.2	1.2	1.4	2.1	10.7	.9
7	98.4	.9	.9	1.9	5.4	9.6	1.4
10	97.7	2.4	3.3	4.7	10.8	3.1	2.4
13	94.5	5.1	6.4	10.0	9.0	.5	4.6
16	88.7	6.5	8.8	6.2	2.6	.5	10.9
19	90.3	3.1	3.6	2.6	.5	1.5	8.9
22	96.8	2.1	1.9	.5	.7	1.9	3.1

AUGUST

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	25.6	75.5	56.4	50.0	60.9	67.3	60.9	78.2	77.3	52.7	38.9
4	21.2	74.7	72.2	71.4	58.2	56.0	69.2	71.4	46.2	34.4	27.8
7	34.9	77.3	69.3	72.1	67.3	79.3	79.3	52.0	40.4	27.4	45.9
10	41.4	84.3	77.5	79.8	79.8	78.1	47.8	34.3	27.4	46.3	57.7
13	47.4	90.1	87.7	86.3	78.9	50.5	37.8	29.9	43.8	54.7	57.7
16	58.1	91.6	86.4	82.8	50.8	33.7	26.8	41.9	51.2	60.2	70.3
19	58.1	79.9	61.0	57.2	35.0	28.5	45.1	49.6	57.3	72.0	73.6
22	36.3	80.1	60.1	50.3	30.7	52.9	54.2	62.7	73.9	75.8	52.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	74.4	7.2	9.1	11.2	25.9	32.5	42.8	51.2	51.6	30.6	21.1
4	78.8	10.0	21.8	25.1	36.9	45.1	55.2	54.6	33.6	23.2	20.2
7	65.1	7.1	14.6	25.0	36.8	46.8	46.8	27.9	17.9	18.9	27.9
10	58.6	13.1	18.3	24.6	42.9	44.0	28.2	19.5	17.9	25.5	27.5
13	52.6	19.9	26.5	32.7	39.4	23.5	14.7	14.7	25.3	26.7	36.0
16	41.9	11.7	18.9	23.9	16.1	14.4	15.0	23.3	24.4	27.2	37.2
19	41.9	4.4	7.8	7.2	12.8	12.8	18.9	26.7	31.1	35.0	35.0
22	63.7	7.7	11.1	11.7	16.8	23.4	31.9	37.0	46.5	46.9	28.9

AUGUST

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	50.0	50.0	50.0	50.0	.0
4	.2	100.0	100.0	100.0	100.0	100.0	.0
7	.7	33.3	33.3	33.3	33.3	.0	.0
10	2.3	50.0	30.0	30.0	30.0	10.0	10.0
13	4.0	47.1	41.2	41.2	17.6	.0	11.8
16	8.1	40.0	17.1	5.7	2.9	.0	14.3
19	2.3	40.0	10.0	10.0	.0	.0	10.0
22	.9	.0	.0	.0	.0	.0	.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	75.0	75.0	75.0	75.0	50.0	50.0
4	.7	100.0	100.0	100.0	100.0	66.7	33.3
7	1.2	100.0	80.0	100.0	40.0	40.0	40.0
10	1.2	80.0	60.0	40.0	40.0	60.0	40.0
13	.5	100.0	100.0	100.0	100.0	100.0	.0
16	.5	100.0	100.0	100.0	100.0	50.0	.0
19	.7	100.0	100.0	100.0	100.0	66.7	33.3
22	.9	100.0	100.0	100.0	75.0	75.0	50.0

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	24.0	77.7	58.3	49.5	62.1	57.3	36.6
4	18.4	74.7	70.9	72.2	57.0	64.6	25.6
7	34.0	75.3	68.5	68.5	63.0	77.4	45.8
10	36.3	84.6	75.6	76.9	76.9	47.4	54.2
13	40.0	90.6	87.2	84.9	77.9	36.7	53.8
16	51.4	91.9	88.7	83.3	50.2	24.9	66.8
19	55.8	80.8	59.4	56.3	33.5	43.6	72.5
22	34.9	78.0	58.5	48.3	28.6	48.3	50.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.5	33.3	20.0	20.0	13.3	6.7	.0
4	2.1	33.3	22.2	22.2	11.1	22.2	11.1
7	2.8	50.0	50.0	25.0	16.7	16.7	.0
10	5.1	54.5	22.7	13.6	13.6	.0	13.6
13	7.4	46.9	31.3	25.0	3.1	9.7	16.1
16	8.8	34.2	15.8	13.2	5.3	2.8	22.2
19	3.0	53.8	38.5	38.5	7.7	15.4	15.4
22	2.1	55.6	44.4	11.1	11.1	11.1	.0

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	.0	.0	.0	.0
4	.9	100.0	50.0	25.0	.0	.0	.0
7	2.1	22.2	11.1	.0	.0	.0	11.1
10	.0	.0	.0	.0	.0	.0	.0
13	.5	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	25.0	12.5	.0	.0	12.5	.0
4	1.2	40.0	20.0	40.0	20.0	.0	.0
7	1.2	40.0	40.0	.0	.0	.0	.0
10	4.2	72.2	55.6	55.6	22.2	.0	25.0
13	15.3	78.8	56.1	36.4	10.6	1.5	26.2
16	20.5	67.0	42.0	21.6	3.4	2.3	37.9
19	8.4	58.3	27.8	13.9	8.3	2.8	13.9
22	2.6	63.6	36.4	9.1	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	50.0	20.0	30.0	20.0	10.0	.0
4	1.2	20.0	20.0	40.0	.0	40.0	.0
7	1.4	33.3	33.3	16.7	.0	.0	16.7
10	1.9	25.0	25.0	25.0	12.5	12.5	.0
13	5.6	54.2	41.7	37.5	12.5	4.2	4.2
16	12.3	54.7	45.3	28.3	5.7	3.9	21.6
19	7.0	53.3	20.0	20.0	3.3	3.3	23.3
22	2.1	33.3	37.5	12.5	.0	.0	12.5

AUGUST

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.2	.0	.5	3.7	.2
4	99.8	.0	.2	.5	2.1	7.9	.0
7	99.3	.5	1.4	2.1	3.7	2.3	.5
10	97.7	1.9	2.4	3.3	7.6	.7	1.9
13	96.0	5.1	7.0	6.8	1.7	.2	3.4
16	91.9	2.3	2.0	2.0	.8	.0	7.2
19	97.7	2.1	1.4	.7	.2	.5	2.2
22	99.1	.7	.7	.2	.0	2.1	.9

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.0	.0	.0	.5	.0	.5
4	99.3	.0	.2	.5	.5	.0	.5
7	98.8	.0	.0	.0	.0	.2	.7
10	98.8	.0	.0	.0	.0	.2	.7
13	99.5	.0	.0	.0	.2	.5	.5
16	99.5	.0	.0	.2	.5	.5	.5
19	99.3	.0	.2	.2	.2	.7	.5
22	99.1	.0	.0	.0	.0	.5	.5

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	76.0	5.8	7.6	8.6	25.1	34.6	20.0
4	81.6	7.7	20.3	25.4	31.6	48.4	17.0
7	66.0	6.3	13.4	19.7	28.2	44.7	26.8
10	63.7	10.2	14.2	19.0	36.9	27.7	24.2
13	60.0	12.0	22.1	29.1	41.1	15.6	29.6
16	48.6	12.9	20.6	26.8	18.7	12.0	32.1
19	44.2	3.7	6.3	7.9	12.1	20.0	33.2
22	65.1	6.8	10.1	11.1	13.3	28.0	28.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.5	1.0	1.4	1.4	2.4	7.5	3.2
4	97.9	1.0	1.2	2.4	5.0	8.6	2.4
7	97.2	1.7	2.2	4.5	7.2	2.6	2.2
10	94.9	5.9	6.4	7.1	8.6	2.2	4.5
13	92.6	3.3	6.3	7.5	3.0	2.5	7.1
16	91.2	2.3	3.1	2.0	1.8	2.6	7.4
19	97.0	1.2	1.4	1.0	2.9	1.7	2.9
22	97.9	2.1	2.4	2.9	2.4	4.8	2.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	.5	.9	2.1	.5	.0
4	99.1	.7	1.4	1.9	.0	.2	.9
7	97.9	.0	.0	.0	.5	.0	1.7
10	100.0	.0	.2	.5	.2	.0	.0
13	99.5	.9	.7	.2	.0	.0	.5
16	99.8	.5	.2	.0	.0	.9	.2
19	100.0	.5	.2	.0	.0	1.9	.0
22	100.0	.0	.0	.0	.9	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	.7	.7	1.2	1.2	15.4	1.9
4	98.8	1.2	1.9	.7	4.0	20.7	1.2
7	98.8	.2	.7	4.2	15.5	8.5	1.4
10	95.8	4.1	8.7	13.6	20.4	2.7	3.4
13	84.7	9.4	16.8	17.6	8.0	1.9	13.6
16	79.5	5.8	7.6	5.0	2.3	.9	14.2
19	91.6	1.5	1.8	1.5	1.3	1.3	7.9
22	97.4	1.0	2.2	1.7	1.2	4.3	2.7

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.7	.2	.5	1.0	5.5	2.2
4	98.8	.9	.5	.9	1.9	12.0	1.0
7	98.6	.9	.9	1.7	5.7	7.1	1.2
10	98.1	3.1	3.8	5.2	12.3	1.9	2.1
13	94.4	5.4	9.1	10.8	6.7	2.0	5.7
16	87.7	5.3	5.6	4.0	1.6	.5	10.4
19	93.0	3.5	1.0	.8	2.0	1.3	5.8
22	97.9	1.2	1.7	1.9	1.0	2.2	2.2

SEPTEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	37.8	77.1	62.4	60.5	72.6	66.2	73.9	77.7	79.6	61.8	54.8
4	30.1	80.8	81.6	84.8	75.2	81.6	80.0	77.6	64.0	57.4	43.4
7	47.0	87.7	79.0	73.3	78.5	74.4	73.3	61.0	48.2	37.7	57.6
10	46.5	87.6	85.0	89.1	83.9	81.9	65.8	52.9	41.8	60.8	60.3
13	58.1	88.0	85.5	83.0	73.4	61.0	49.6	40.7	60.2	58.1	70.3
16	60.5	90.8	86.9	83.7	65.7	50.0	39.8	60.6	59.8	71.5	72.0
19	56.9	84.7	79.2	72.5	54.3	41.8	65.1	64.7	74.6	74.6	72.8
22	45.1	82.4	72.7	64.5	49.7	69.4	67.2	78.1	79.8	78.7	62.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	62.2	7.8	10.5	11.6	31.4	34.5	48.4	50.0	43.0	34.9	26.7
4	69.9	6.9	21.7	30.7	34.1	47.9	52.1	47.9	36.9	28.8	23.3
7	53.0	13.2	17.8	22.7	40.0	48.2	42.3	30.9	27.9	21.9	37.0
10	53.5	17.6	25.2	31.1	40.1	35.1	27.0	24.0	18.6	34.4	35.7
13	41.9	17.8	21.3	29.3	33.9	23.0	20.7	13.8	28.2	32.2	42.5
16	39.5	11.6	16.5	15.9	13.4	18.3	13.4	25.6	28.0	39.0	45.1
19	43.1	6.7	11.2	8.9	15.2	12.9	22.5	24.2	37.6	43.8	37.1
22	54.9	9.2	11.9	15.4	12.8	28.2	30.8	42.7	46.3	40.1	29.5

SEPTEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.8	62.5	58.3	45.8	50.0	58.3	26.1
4	3.6	93.3	80.0	86.7	86.7	73.3	50.0
7	4.1	88.2	82.4	76.5	82.4	58.8	46.7
10	7.0	86.2	72.4	72.4	72.4	31.0	29.6
13	14.7	70.5	57.4	55.7	27.9	21.1	38.6
16	13.0	63.0	44.4	37.0	29.6	15.7	37.3
19	7.2	66.7	63.3	56.7	44.4	37.0	18.5
22	6.0	72.0	66.7	61.9	52.4	52.4	33.3

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	83.3	83.3	83.3	83.3	50.0	.0
4	1.7	100.0	100.0	100.0	85.7	71.4	14.3
7	2.7	100.0	72.7	63.6	63.6	45.5	9.1
10	2.2	100.0	88.9	88.9	88.9	33.3	11.1
13	2.7	100.0	100.0	100.0	81.8	18.2	18.2
16	2.9	83.3	83.3	83.3	41.7	8.3	16.7
19	2.7	100.0	72.7	54.5	27.3	27.3	18.2
22	1.7	71.4	71.4	57.1	42.9	42.9	.0

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	32.5	76.3	62.2	59.3	74.1	72.6	49.6
4	26.0	78.7	81.5	84.3	73.1	76.9	41.0
7	41.7	87.9	79.2	72.3	74.0	74.0	53.8
10	40.7	85.8	84.0	86.4	81.1	64.5	57.6
13	47.5	87.8	88.3	84.8	78.2	48.7	62.2
16	52.3	93.5	90.3	86.2	67.7	38.7	65.1
19	52.3	85.3	80.6	72.8	51.6	61.0	71.4
22	41.4	82.6	71.6	60.9	46.7	65.7	62.7

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	8.0	54.5	45.5	42.4	36.4	27.3	9.4
4	7.5	64.5	41.9	35.5	16.1	19.4	6.9
7	8.2	64.7	50.0	32.4	44.1	20.6	22.6
10	8.2	52.9	35.3	32.4	20.6	20.6	9.1
13	10.8	46.7	31.1	35.6	20.0	16.3	25.6
16	9.9	57.5	36.6	29.3	19.5	16.2	16.2
19	9.4	61.5	38.5	38.5	27.8	27.8	13.9
22	8.7	55.6	48.5	36.4	30.3	15.2	15.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	.0	.0	.0	50.0	50.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	1.7	57.1	28.6	42.9	28.6	.0	28.6
10	1.2	60.0	60.0	40.0	40.0	20.0	20.0
13	1.0	50.0	25.0	50.0	.0	.0	33.3
16	1.4	50.0	16.7	16.7	33.3	.0	20.0
19	.7	33.3	33.3	33.3	.0	.0	.0
22	.5	50.0	.0	.0	.0	100.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	50.0	16.7	8.3	8.3	8.3	.0
4	1.4	83.3	16.7	33.3	16.7	16.7	.0
7	2.2	44.4	33.3	22.2	.0	.0	11.1
10	3.4	57.1	7.1	.0	7.1	.0	21.4
13	6.3	84.6	50.0	26.9	11.5	.0	11.5
16	9.6	74.4	60.0	37.5	15.0	.0	35.0
19	8.2	55.9	35.3	26.5	14.7	2.9	23.5
22	3.4	57.1	50.0	28.6	.0	.0	7.1

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	60.0	20.0	35.0	20.0	30.0	15.0
4	6.3	69.2	34.6	23.1	30.8	19.2	8.7
7	4.6	84.2	68.4	73.7	57.9	36.8	11.8
10	6.5	66.7	66.7	48.1	40.7	18.5	16.7
13	9.9	51.2	39.0	36.6	29.3	15.4	20.5
16	11.8	47.9	36.7	32.7	18.4	19.1	19.1
19	9.2	57.9	47.4	31.6	8.3	19.4	19.4
22	8.0	63.6	38.7	32.3	25.8	16.1	12.9

SEPTEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.2	1.0	1.3	1.0	1.3	12.0	4.1
4	96.4	1.3	.5	1.0	4.0	10.7	2.0
7	95.9	1.5	3.8	4.0	11.8	5.0	2.3
10	93.0	5.2	7.8	10.4	8.5	4.1	5.7
13	85.3	5.4	4.2	5.6	3.7	2.8	11.0
16	87.0	2.2	3.3	2.8	2.5	1.7	10.0
19	92.8	2.6	5.2	2.1	2.6	1.6	6.0
22	94.0	1.3	.5	2.3	.8	4.9	4.6

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.5	.5	.5	1.5	2.0	1.5
4	98.3	.2	.5	1.0	.7	1.7	1.5
7	97.3	.2	.2	.5	1.0	1.5	2.5
10	97.8	.2	.5	.7	1.0	1.0	2.0
13	97.3	.0	.2	.2	.5	1.0	2.3
16	97.1	.0	.0	.2	.5	1.5	2.5
19	97.3	.0	.0	.2	.8	2.0	2.3
22	98.3	.0	.2	.5	1.0	1.5	1.7

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	67.5	7.1	7.5	10.0	26.1	35.4	23.5
4	74.0	4.2	18.6	26.7	29.3	43.6	20.0
7	58.3	9.9	14.1	18.2	28.5	36.8	32.8
10	59.3	13.4	14.6	20.7	32.5	25.6	30.2
13	52.5	9.2	15.1	22.9	28.9	17.1	35.5
16	47.7	9.6	13.6	15.2	12.6	11.1	39.4
19	47.7	5.1	5.6	7.1	10.7	20.3	32.0
22	58.6	8.2	8.3	11.6	10.4	24.1	25.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.0	4.2	4.5	4.5	5.8	9.4	7.4
4	92.5	3.6	4.2	6.0	7.6	9.1	6.6
7	91.8	3.9	5.5	6.0	7.9	8.4	6.1
10	91.8	3.9	7.1	8.9	8.9	7.6	8.0
13	89.2	6.2	6.5	6.8	8.1	6.5	9.0
16	90.1	3.2	7.0	7.2	7.5	5.6	9.4
19	90.6	5.3	6.9	5.6	5.6	5.3	9.1
22	91.3	2.6	5.0	5.0	4.5	7.4	8.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.2	1.5	.7	.5
4	99.8	.2	1.2	1.7	1.2	1.4	.2
7	98.3	1.0	.5	.5	.5	.7	1.2
10	98.8	.7	.0	.5	1.0	.2	1.0
13	99.0	.5	.5	1.0	.7	.5	.5
16	98.6	.2	.7	.5	.0	.2	1.2
19	99.3	.0	.2	.2	.5	1.7	.7
22	99.5	.0	.0	.5	.2	1.0	.5

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	.5	.7	1.2	2.0	6.2	3.0
4	98.6	1.2	1.2	1.7	3.2	9.5	1.5
7	97.8	.7	3.0	3.0	6.4	8.4	1.7
10	96.6	1.2	4.5	6.5	9.7	3.5	2.8
13	93.7	4.9	6.7	8.5	8.0	3.1	5.7
16	90.4	1.6	3.7	5.1	2.1	1.6	7.6
19	91.8	1.6	1.6	1.3	1.9	1.9	7.4
22	96.6	.7	1.5	2.0	1.5	3.5	3.3

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	4.6	3.5	4.8	3.8	8.9	4.6
4	93.7	3.9	3.3	3.3	4.9	11.3	5.9
7	95.4	1.8	4.6	3.3	7.6	7.8	3.8
10	93.5	3.9	3.9	7.2	9.8	7.2	5.4
13	90.1	5.6	4.5	9.1	7.0	4.0	8.6
16	88.2	4.9	8.2	6.0	6.6	4.4	11.0
19	90.8	3.4	4.8	5.6	4.8	2.7	8.3
22	92.0	3.1	2.4	2.9	4.5	5.3	7.4

OCTOBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	40.3	86.7	83.2	76.9	77.5	77.5	76.9	75.1	68.2	56.1	56.5
4	42.0	86.1	83.3	82.8	78.9	80.0	78.8	70.0	58.3	57.6	55.4
7	52.9	84.6	82.4	79.3	79.3	78.3	70.9	57.7	52.7	53.6	65.6
10	53.8	90.0	87.0	87.4	81.4	71.4	57.6	54.8	55.7	64.9	62.3
13	57.8	88.3	86.7	84.2	71.0	58.5	53.7	54.1	64.8	62.7	67.6
16	58.4	86.8	81.6	78.8	63.2	56.9	55.3	66.3	66.7	71.1	69.9
19	52.2	85.3	74.6	71.0	61.4	61.8	70.9	68.6	70.0	70.9	64.1
22	43.4	84.9	70.9	70.9	67.6	74.2	71.4	73.6	74.7	66.5	52.7

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	59.7	10.9	18.0	18.4	36.3	37.9	44.9	47.1	41.4	34.8	30.3
4	58.0	9.6	22.1	31.3	35.7	41.8	43.8	39.4	32.5	28.7	32.8
7	47.1	13.9	20.3	25.2	33.7	36.1	31.2	27.2	27.5	29.5	41.5
10	46.2	13.6	19.3	23.2	31.5	29.8	26.8	24.5	26.5	41.8	46.4
13	42.2	9.4	19.9	23.2	26.5	22.7	23.3	26.1	40.0	44.4	47.2
16	41.6	12.9	16.9	15.2	15.7	18.6	23.7	37.3	38.4	41.8	42.6
19	47.8	8.8	11.7	13.2	18.6	21.1	36.3	40.2	47.1	45.3	39.7
22	56.6	9.9	11.2	18.2	23.1	39.3	42.6	47.9	46.5	41.7	35.5

OCTOBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	10.3	65.9	63.6	54.5	50.0	65.9	35.7
4	8.4	83.3	75.0	77.8	83.3	66.7	41.2
7	10.3	70.5	70.5	70.5	75.0	54.5	26.2
10	17.9	84.4	87.0	80.5	59.7	44.2	45.3
13	24.0	70.9	69.9	58.3	37.9	31.7	40.6
16	18.5	64.6	51.9	49.4	40.5	27.3	41.6
19	12.4	79.2	75.5	67.9	57.7	48.1	38.5
22	12.6	77.8	54.7	66.0	45.3	54.7	35.8

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	8.6	97.3	97.3	94.6	83.8	56.8	27.0
4	10.0	100.0	100.0	90.7	65.1	55.8	27.9
7	11.9	94.1	86.3	70.6	64.7	54.9	41.2
10	8.6	94.6	91.9	89.2	81.1	62.2	29.7
13	8.6	91.9	86.5	89.2	83.8	54.1	37.8
16	10.0	95.3	90.7	93.0	81.4	67.4	39.5
19	12.8	87.3	76.4	74.5	63.6	56.4	40.0
22	9.6	87.8	82.9	85.4	80.5	53.7	34.1

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	26.1	86.6	77.7	67.0	71.4	69.6	47.3
4	27.0	81.9	81.0	81.9	68.1	64.3	44.7
7	41.3	81.4	75.7	71.8	70.6	65.5	57.5
10	37.5	87.0	80.1	82.0	75.8	50.9	51.9
13	39.4	87.6	82.8	80.4	70.4	46.7	53.9
16	42.1	88.3	83.9	78.3	56.1	44.3	58.0
19	40.3	80.3	66.5	64.2	50.9	62.1	56.2
22	31.7	78.7	66.7	61.4	55.3	59.8	46.2

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	10.5	53.3	51.1	51.1	31.1	24.4	25.6
4	14.5	59.7	43.5	29.0	22.6	21.3	20.0
7	8.9	60.5	42.1	39.5	39.5	21.1	33.3
10	11.2	47.9	47.9	43.8	27.1	12.5	21.7
13	12.4	66.0	54.7	39.6	22.6	18.9	20.8
16	8.9	57.9	47.4	31.6	23.7	47.2	22.2
19	8.2	60.0	37.1	25.7	27.3	21.2	12.1
22	6.5	60.7	50.0	46.4	39.3	39.3	21.4

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.7	66.7	66.7	33.3	.0	.0	.0
7	1.2	20.0	.0	20.0	20.0	.0	20.0
10	.7	.0	66.7	33.3	.0	.0	.0
13	.5	.0	50.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	60.0	20.0	.0	20.0	.0	.0
4	.9	25.0	.0	.0	.0	25.0	.0
7	.7	66.7	33.3	.0	33.3	33.3	.0
10	.7	66.7	100.0	33.3	33.3	33.3	.0
13	2.6	45.5	45.5	36.4	18.2	9.1	.0
16	2.6	54.5	45.5	36.4	9.1	.0	.0
19	3.3	57.1	7.1	.0	7.1	.0	7.1
22	.5	100.0	50.0	50.0	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.8	24.0	28.0	20.0	28.0	12.0	4.2
4	4.9	47.6	38.1	33.3	23.8	42.9	9.5
7	5.1	54.5	63.6	50.0	22.7	31.8	4.8
10	5.6	41.7	29.2	25.0	45.8	12.5	13.0
13	5.6	54.2	62.5	45.8	25.0	16.7	4.2
16	8.9	65.8	42.1	31.6	23.7	16.7	16.7
19	7.0	60.0	40.0	23.3	33.3	11.1	18.5
22	5.1	59.1	42.9	52.4	23.8	28.6	9.5

OCTOBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	89.7	2.3	2.1	3.1	5.7	19.2	8.1
4	91.6	2.0	2.5	4.1	12.0	14.0	5.4
7	89.7	4.7	9.1	11.9	18.2	7.5	8.6
10	82.1	7.4	8.5	11.6	9.4	5.7	12.0
13	76.0	6.4	6.7	5.8	4.3	4.3	19.2
16	81.5	3.4	4.9	4.0	6.3	4.0	13.3
19	87.6	4.5	4.5	4.8	4.3	5.1	8.6
22	87.4	3.5	1.9	3.0	3.0	12.7	8.9

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.4	.8	1.0	2.0	5.1	4.1	7.0
4	90.0	.8	1.0	3.1	2.3	4.9	8.1
7	88.1	.3	.3	.3	1.1	7.1	8.6
10	91.4	.5	.5	1.0	3.3	4.6	7.2
13	91.4	.8	1.5	2.6	6.1	4.4	6.7
16	90.0	.8	2.1	3.9	1.6	3.7	7.7
19	87.2	.0	.0	.0	.5	6.0	10.0
22	90.4	.0	.3	.5	2.6	4.4	7.6

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	73.9	9.5	14.8	12.9	30.6	28.7	18.8
4	73.0	6.4	17.6	26.2	26.2	33.9	21.3
7	58.7	7.9	9.9	13.5	17.5	22.6	31.6
10	62.5	8.6	12.7	13.8	21.7	20.1	29.7
13	60.6	6.2	13.8	17.3	20.8	13.1	31.3
16	57.9	12.9	15.7	12.9	14.1	15.4	29.7
19	59.7	6.3	7.8	9.8	9.8	29.0	29.4
22	68.3	7.2	7.5	10.3	15.1	28.1	24.0

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	89.5	6.5	8.1	10.2	6.3	10.9	9.7
4	85.5	3.0	4.6	5.4	9.3	6.8	14.0
7	91.1	5.4	7.7	8.4	9.7	6.9	7.7
10	88.8	4.5	6.1	8.4	6.6	5.8	10.6
13	87.6	4.0	5.6	4.5	6.1	10.2	10.8
16	91.1	4.1	5.6	5.9	4.9	11.6	7.8
19	91.8	5.8	6.6	4.8	10.0	9.0	7.2
22	93.5	3.7	7.8	8.8	13.1	9.8	4.8

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.5	.7	.7	1.2	.5	.2
4	99.3	1.2	1.2	.9	.7	.2	.7
7	98.8	.5	.5	.5	.2	.0	1.2
10	99.3	.2	.2	.2	.2	.2	.7
13	99.5	.9	.0	.2	.0	.2	.5
16	99.8	.7	.7	.0	.2	.7	.2
19	100.0	.2	.0	.2	.2	1.4	.0
22	99.8	.0	.0	.2	.7	.7	.2

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.2	1.7	.9	.5	2.6	1.2
4	99.1	.2	.5	.7	.7	2.4	1.0
7	99.3	.0	.5	.7	2.3	3.1	.7
10	99.3	1.4	1.9	2.3	2.4	.2	.7
13	97.4	1.2	1.9	1.7	2.9	1.0	2.4
16	97.4	1.7	2.6	2.4	.2	1.0	2.2
19	96.7	.2	.5	.5	1.0	.7	2.4
22	99.5	.5	.5	.9	.9	.7	.5

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.2	2.5	3.5	4.0	3.7	5.2	6.3
4	95.1	2.2	3.2	3.7	4.7	7.1	4.7
7	94.9	2.7	3.2	3.2	4.7	5.7	5.2
10	94.4	2.7	3.2	4.4	6.7	4.7	5.2
13	94.4	4.0	4.0	6.7	5.9	5.5	5.7
16	91.1	3.1	4.6	4.6	3.3	3.9	7.8
19	93.0	4.3	2.0	3.8	4.3	4.8	5.8
22	94.9	2.7	2.5	3.7	4.0	4.5	5.0

NOVEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	41.4	86.2	77.0	75.9	76.4	74.7	71.3	67.2	56.9	49.4	50.6
4	45.0	87.8	82.0	83.1	73.0	74.1	70.4	60.8	54.0	51.3	52.4
7	54.7	86.0	80.8	75.5	73.8	69.9	59.4	54.1	52.0	53.7	61.4
10	50.8	90.1	85.4	78.9	74.6	64.8	57.3	55.9	58.2	63.7	59.6
13	54.3	88.6	83.8	78.1	67.1	57.0	57.9	56.1	61.4	61.0	62.3
16	52.4	90.5	82.3	77.7	65.9	60.5	59.5	63.6	61.4	66.8	60.5
19	49.5	78.4	75.8	74.0	63.5	64.4	64.4	63.9	63.9	62.0	58.7
22	43.3	84.1	79.6	73.1	70.3	69.8	67.6	70.9	67.6	58.2	51.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	58.6	11.4	18.3	23.2	39.2	33.9	42.3	41.9	44.3	39.0	36.6
4	55.0	8.7	17.7	31.3	32.6	38.1	37.7	40.3	34.6	35.1	41.3
7	45.3	10.0	18.4	21.2	31.1	31.6	37.9	30.5	31.1	36.3	46.3
10	49.2	16.0	24.9	28.6	29.6	34.0	29.1	28.6	33.0	45.6	42.0
13	45.7	16.1	17.7	21.9	28.6	27.1	24.0	33.3	46.6	38.7	43.8
16	47.6	11.0	18.0	18.5	18.5	22.5	30.5	44.7	39.2	39.5	44.0
19	50.5	7.1	10.8	13.2	21.7	27.4	45.0	37.9	43.9	43.4	39.2
22	56.7	9.2	13.6	18.9	25.9	43.0	38.0	40.8	41.2	41.6	37.4

NOVEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	9.3	59.0	53.8	48.7	56.4	46.2	30.8
4	6.2	73.1	76.9	69.2	73.1	50.0	23.1
7	8.8	75.7	86.5	73.0	64.9	32.4	16.2
10	16.7	84.3	70.0	65.7	45.7	25.7	31.4
13	19.0	78.7	71.2	51.2	31.3	27.5	36.2
16	12.9	59.3	48.1	44.4	33.3	20.4	33.3
19	7.9	63.6	59.4	51.5	42.4	33.3	24.2
22	8.6	75.0	63.9	61.1	38.9	47.2	16.7

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	10.2	95.3	90.7	86.0	76.7	62.8	37.2
4	11.4	93.8	91.7	91.7	75.0	62.5	41.7
7	13.6	93.0	84.2	77.2	75.4	66.7	39.3
10	11.5	97.9	95.7	89.6	77.1	66.7	37.5
13	13.6	91.2	87.7	86.0	86.0	59.6	40.4
16	12.9	98.1	98.1	98.1	88.9	63.0	37.0
19	16.4	84.1	79.4	78.3	60.9	49.3	34.8
22	13.3	92.9	85.5	78.6	69.6	51.8	39.3

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	26.4	82.9	73.0	73.9	64.0	51.4	36.0
4	31.0	77.7	74.6	68.5	59.2	50.8	40.8
7	37.5	81.5	75.2	68.8	61.8	47.8	47.8
10	35.3	79.7	76.4	70.9	62.8	45.9	43.9
13	33.6	88.7	82.3	73.8	62.4	44.7	41.8
16	34.5	91.7	80.7	70.3	53.8	48.3	46.2
19	32.4	75.7	70.6	62.5	47.1	49.3	44.1
22	27.6	78.4	68.1	60.3	59.5	50.0	37.9

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	14.5	72.1	62.3	57.4	41.0	34.4	23.0
4	14.3	83.3	66.7	53.3	33.3	30.0	25.0
7	16.2	64.7	55.9	50.0	39.7	22.1	26.5
10	11.9	62.0	58.0	48.0	42.0	16.0	26.0
13	12.4	55.8	48.1	40.4	30.8	25.0	25.0
16	10.7	60.0	48.9	44.4	26.7	46.7	28.9
19	8.6	69.4	58.3	52.8	52.8	44.4	27.8
22	7.6	87.5	75.0	62.5	50.0	37.5	21.9

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	85.7	28.6	42.9	42.9	.0	.0
4	3.6	80.0	20.0	40.0	.0	.0	6.7
7	5.7	41.7	20.8	8.3	.0	.0	12.5
10	.7	66.7	.0	.0	.0	.0	.0
13	.2	.0	.0	.0	.0	.0	.0
16	.5	100.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.7	100.0	100.0	66.7	33.3	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	50.0	100.0	50.0	.0	.0
4	.5	50.0	50.0	50.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.5	50.0	50.0	50.0	50.0	.0	.0
16	.7	100.0	66.7	66.7	66.7	.0	.0
19	.5	100.0	100.0	100.0	.0	.0	.0
22	.7	100.0	33.3	33.3	33.3	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.5	69.6	47.8	39.1	13.0	13.0	8.7
4	4.0	41.2	23.5	11.8	17.6	11.8	5.9
7	4.1	41.2	17.6	5.9	11.8	17.6	5.9
10	4.1	29.4	35.3	23.5	23.5	5.9	.0
13	2.4	40.0	50.0	40.0	40.0	10.0	.0
16	2.9	75.0	75.0	66.7	16.7	16.7	16.7
19	4.5	47.4	31.6	21.1	15.8	10.5	10.5
22	2.9	66.7	25.0	33.3	16.7	16.7	.0

NOVEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	90.7	1.0	2.1	1.8	3.9	16.3	7.3
4	93.8	3.8	4.6	4.8	13.0	10.4	5.6
7	91.2	3.1	6.5	11.3	14.7	5.5	8.4
10	83.3	6.0	8.1	9.5	6.3	5.2	14.7
13	81.0	6.2	5.0	3.8	2.4	5.3	15.9
16	87.1	2.2	2.5	2.5	4.9	4.6	10.4
19	92.1	3.4	2.3	4.9	6.7	7.0	6.7
22	91.4	3.1	3.7	4.7	3.6	14.6	8.1

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	89.8	1.9	2.4	2.9	6.4	8.0	8.5
4	88.6	.5	1.9	3.5	3.2	6.5	8.9
7	86.4	.6	.8	1.1	3.9	8.6	10.2
10	88.5	1.1	1.9	3.8	4.6	6.5	8.4
13	86.4	.3	1.1	1.4	5.5	3.9	8.8
16	87.1	1.1	3.0	4.4	2.2	5.2	8.7
19	83.6	.3	.6	.6	1.7	7.1	12.0
22	86.7	.5	1.1	1.1	3.8	5.5	8.8

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	73.6	9.1	13.6	15.5	27.9	27.2	22.7
4	69.0	4.5	10.7	23.5	24.6	27.2	25.9
7	62.5	8.0	16.0	15.3	16.8	23.3	29.5
10	64.7	8.1	10.8	13.3	19.2	17.7	29.6
13	66.4	8.6	11.1	14.7	17.2	16.8	28.0
16	65.5	8.7	12.7	12.4	13.8	21.1	28.4
19	67.6	4.6	8.8	10.9	16.2	30.4	26.4
22	72.4	7.2	9.6	13.2	19.4	28.7	24.0

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	85.5	2.8	4.5	7.0	12.0	8.6	12.8
4	85.7	3.1	6.7	10.0	8.4	7.5	12.2
7	83.8	4.8	7.1	4.6	7.1	6.0	13.4
10	88.1	4.6	6.3	7.6	6.5	6.5	9.8
13	87.6	6.5	5.4	6.5	5.4	12.8	10.3
16	89.3	2.1	5.1	4.3	5.3	10.1	8.5
19	91.4	2.9	4.7	3.4	10.7	12.8	7.3
22	92.4	3.1	7.5	10.3	11.1	9.6	7.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	.7	1.5	2.9	5.1	.2	1.7
4	96.4	1.5	1.7	4.5	.7	.5	3.7
7	94.3	.8	.8	.3	.3	.0	5.6
10	99.3	.0	.0	.2	.5	.7	.7
13	99.8	.2	.5	.5	.0	1.7	.2
16	99.5	.2	.2	.0	.7	3.8	.5
19	100.0	.0	.5	.7	1.7	6.0	.0
22	99.3	.7	1.2	1.2	3.6	.7	.7

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.0	.5	.5
4	99.5	.0	.0	.0	.0	.7	.5
7	99.8	.0	.0	.0	.5	.5	.2
10	100.0	.0	.2	.5	.7	.7	.0
13	99.5	.2	.2	.5	.2	.5	.5
16	99.3	.2	.5	.0	.2	.5	.7
19	99.5	.0	.2	.2	.5	.2	.5
22	99.3	.0	.2	.2	.2	.0	.7

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.5	2.0	3.0	2.0	3.5	1.8	4.8
4	96.0	2.7	2.7	3.7	3.5	2.5	4.0
7	95.9	3.5	2.2	4.0	2.0	4.0	4.0
10	95.9	.7	1.3	1.5	2.0	2.7	4.5
13	97.6	2.7	3.4	2.0	3.7	4.9	2.4
16	97.1	2.7	3.7	2.7	2.5	3.7	2.7
19	95.5	1.5	1.0	2.0	4.5	3.8	4.5
22	97.1	2.9	3.0	4.2	3.7	3.9	3.2

DECEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	44.5	87.0	79.3	76.2	76.7	69.4	67.9	65.3	60.1	55.4	54.9
4	45.6	85.4	79.7	83.3	71.2	72.7	66.2	60.6	57.6	54.0	54.5
7	58.4	87.7	79.8	75.5	69.2	64.4	59.3	54.5	48.2	52.2	65.2
10	54.8	87.8	83.2	81.9	73.1	60.1	56.3	51.7	52.9	62.6	57.6
13	56.2	84.4	83.6	77.0	64.8	60.7	56.1	53.3	63.5	60.2	58.2
16	55.1	86.2	77.0	71.5	66.1	59.8	56.5	66.9	63.6	64.4	61.1
19	48.4	87.1	91.4	78.6	69.0	62.9	72.9	66.2	65.7	61.9	57.6
22	44.9	85.1	79.0	75.9	69.2	78.5	71.3	71.8	67.7	63.6	55.9

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	55.5	13.7	19.1	21.2	43.8	43.2	46.9	46.9	39.0	36.5	34.9
4	54.4	12.7	22.0	37.4	41.1	42.4	45.8	38.1	34.3	35.2	37.3
7	41.6	18.3	19.4	26.1	38.3	42.2	33.3	31.7	37.8	35.6	48.6
10	45.2	14.3	20.9	25.0	33.2	34.2	31.1	34.2	35.7	52.8	51.5
13	43.8	17.5	23.7	26.8	27.4	24.7	27.9	34.7	51.3	47.9	53.7
16	44.9	16.4	14.9	20.0	19.0	24.1	31.3	47.4	44.1	46.2	48.7
19	51.6	5.8	11.2	13.4	20.1	28.6	44.4	44.2	47.3	49.6	42.0
22	55.1	8.4	14.3	17.6	25.5	41.6	41.4	43.5	45.6	38.1	37.7

DECEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.7	69.0	72.4	65.5	51.7	82.8	13.8
4	7.8	70.6	66.7	58.8	64.7	52.9	8.8
7	7.2	83.9	90.3	93.5	77.4	19.4	16.1
10	14.1	86.9	80.3	78.7	55.7	26.2	19.7
13	20.5	69.7	68.5	49.4	19.1	20.2	30.3
16	12.4	44.4	37.0	29.6	24.1	20.4	16.7
19	6.2	77.8	66.7	55.6	37.0	25.9	18.5
22.	7.4	78.1	68.8	59.4	53.1	56.3	18.8

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	14.1	96.7	95.1	95.1	85.2	52.5	32.8
4	15.4	94.0	88.1	91.0	71.6	50.7	37.3
7	18.2	91.1	81.0	74.7	54.4	53.2	43.0
10	14.3	90.3	82.3	74.2	71.0	56.5	37.1
13	12.4	94.4	92.6	87.0	83.3	57.4	33.3
16	13.1	98.2	98.2	96.5	82.5	63.2	40.4
19	17.1	91.9	86.5	79.7	64.9	59.5	39.2
22	14.7	90.6	84.4	82.8	79.7	56.3	32.8

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	28.8	80.8	71.2	60.0	66.4	56.8	44.0
4	27.0	79.5	74.4	76.9	63.2	61.5	39.3
7	42.0	83.5	77.5	73.1	62.1	50.0	50.0
10	39.9	83.8	78.0	74.0	66.5	46.8	48.6
13	38.0	83.0	79.4	76.4	61.2	46.7	46.1
16	40.8	87.0	76.8	67.2	59.3	41.2	49.7
19	34.8	81.5	76.2	71.5	60.3	64.2	45.0
22	31.6	79.6	72.3	68.6	51.8	59.9	46.7

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	12.9	64.3	48.2	35.7	39.3	21.4	17.9
4	11.1	75.0	52.1	54.2	33.3	18.8	20.8
7	16.4	70.4	59.2	45.1	29.6	22.5	25.4
10	14.7	60.9	59.4	43.8	28.1	23.4	15.6
13	11.8	58.8	49.0	43.1	31.4	27.5	5.9
16	9.0	82.1	61.5	56.4	41.0	28.2	10.3
19	9.2	87.5	75.0	65.0	55.0	45.0	20.0
22	11.3	73.5	63.3	51.0	30.6	22.4	12.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.7	81.3	50.0	56.3	50.0	.0	25.0
4	3.5	86.7	66.7	73.3	6.7	.0	13.3
7	9.0	66.7	30.8	15.4	.0	.0	33.3
10	3.5	26.7	13.3	6.7	.0	.0	.0
13	.7	66.7	33.3	.0	.0	.0	.0
16	.9	50.0	.0	.0	.0	.0	.0
19	.2	100.0	100.0	100.0	100.0	.0	.0
22	1.2	80.0	80.0	80.0	60.0	.0	.0

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	.0	.0	.0	.0	.0	.0
13	.5	100.0	100.0	50.0	50.0	.0	50.0
16	.7	33.3	.0	66.7	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	57.1	66.7	52.4	23.8	19.0	19.0
4	5.1	40.9	40.9	27.3	45.5	22.7	13.6
7	3.9	41.2	41.2	47.1	29.4	35.3	5.9
10	5.3	60.9	43.5	34.8	39.1	13.0	17.4
13	4.1	66.7	50.0	50.0	22.2	16.7	5.6
16	5.8	68.0	48.0	36.0	24.0	24.0	8.0
19	3.0	61.5	53.8	23.1	30.8	7.7	7.7
22	4.4	57.9	52.6	47.4	42.1	26.3	10.5

DECEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.3	2.2	3.5	3.7	4.0	16.0	5.9
4	92.2	2.0	2.7	2.8	9.7	9.0	7.2
7	92.8	3.2	5.0	8.0	16.2	5.2	6.2
10	85.9	6.7	7.0	11.0	5.4	4.3	12.3
13	79.5	3.2	3.2	2.9	2.9	2.9	16.8
16	87.6	1.6	1.6	2.9	5.0	5.5	11.8
19	93.8	2.9	3.4	4.2	4.4	5.7	5.4
22	92.6	1.5	2.0	2.2	3.7	10.0	6.7

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	85.9	.8	1.3	2.4	7.3	5.9	10.2
4	84.6	1.6	3.6	4.9	3.8	6.3	10.6
7	81.8	.6	.6	.8	3.1	9.0	12.5
10	85.7	.3	.8	2.2	3.5	7.8	10.5
13	87.6	.5	1.6	2.6	7.6	7.1	10.3
16	86.9	1.1	2.7	5.0	4.5	7.4	9.8
19	82.9	.3	.6	1.4	2.8	9.5	13.3
22	85.3	.3	1.4	1.4	3.5	7.0	12.4

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	71.2	9.7	11.7	13.6	32.1	30.4	23.3
4	73.0	9.5	13.3	29.1	31.2	33.1	22.7
7	58.0	11.6	12.0	15.9	20.7	23.9	36.8
10	60.1	6.5	11.9	14.2	23.8	21.5	35.6
13	62.0	11.2	16.0	19.0	18.6	18.6	33.5
16	59.2	12.5	11.3	12.5	12.5	17.5	35.0
19	65.2	6.7	8.8	10.2	12.7	30.5	30.0
22	68.4	8.1	10.5	11.1	15.8	32.0	25.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	87.1	4.5	7.4	7.4	13.0	10.3	11.6
4	88.9	3.6	9.9	11.7	12.4	7.8	9.8
7	83.6	5.8	5.8	8.8	8.3	6.6	15.0
10	85.3	3.8	6.2	6.2	5.7	9.2	14.6
13	88.2	3.1	4.4	4.4	6.3	10.4	12.3
16	91.0	2.5	4.8	4.6	8.4	9.4	8.6
19	90.8	2.0	4.6	5.8	8.1	13.7	8.4
22	88.7	2.6	6.0	7.5	8.6	13.8	10.9

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.3	1.4	2.2	1.4	7.4	.7	2.6
4	96.5	1.7	3.8	6.7	3.3	1.0	2.9
7	91.0	1.5	1.3	2.3	.8	.3	6.1
10	96.5	.2	.2	.5	1.0	1.2	3.6
13	99.3	.5	.5	.9	.2	3.5	.7
16	99.1	.9	.7	.2	1.2	3.3	.9
19	99.8	.2	.7	.9	3.2	8.6	.2
22	98.8	.5	1.9	2.6	2.6	3.5	1.2

CRITERIA SIX — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.5	.0
4	100.0	.0	.0	.0	.5	.7	.0
7	100.0	.5	.5	.5	.5	.5	.0
10	99.5	.5	.5	.5	.7	.2	.5
13	99.5	.2	.2	.5	.2	.0	.2
16	99.3	.0	.0	.0	.2	.0	.7
19	99.5	.0	.0	.2	.0	.0	.5
22	99.8	.0	.0	.0	.0	.5	.2

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	1.7	2.4	2.7	2.9	3.4	4.1
4	94.9	1.9	2.2	2.7	3.2	4.9	4.6
7	96.1	2.6	1.9	3.6	3.1	1.7	3.9
10	94.7	1.9	2.7	2.4	3.9	3.9	4.6
13	95.9	1.4	3.4	3.8	2.2	4.3	4.3
16	94.2	1.2	2.0	1.0	3.2	3.9	5.6
19	97.0	2.1	3.1	3.8	4.0	3.8	2.9
22	95.6	1.7	1.7	2.9	3.4	4.3	3.9

JANUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	49.8	83.3	81.5	78.2	80.1	77.3	72.7	65.3	55.6	53.7	59.3
4	51.2	90.5	83.3	85.1	76.1	70.7	65.3	55.4	54.1	59.5	58.6
7	61.7	89.5	80.1	76.8	71.2	67.8	55.8	54.3	59.6	58.1	69.7
10	58.5	87.4	84.3	79.1	73.6	62.2	63.4	63.4	62.2	69.3	65.4
13	55.5	87.6	87.1	79.7	63.9	61.4	63.5	61.4	69.3	66.4	65.6
16	54.8	87.8	79.0	70.2	68.1	67.5	64.7	70.2	71.8	68.1	64.3
19	47.9	84.1	77.4	79.8	75.0	73.1	78.4	74.5	72.1	69.2	54.8
22	48.4	85.2	81.0	78.6	72.9	76.7	75.2	71.9	67.1	55.7	54.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	50.2	14.7	20.3	24.3	43.3	39.9	38.5	44.5	40.4	43.1	44.0
4	48.8	14.2	23.6	37.0	40.1	39.6	43.9	40.1	42.5	43.4	47.2
7	38.3	20.5	23.5	29.5	30.1	34.3	35.5	39.2	39.2	45.2	53.3
10	41.5	13.3	18.4	22.2	28.3	27.8	27.2	35.0	40.0	54.7	51.7
13	44.5	15.0	18.2	23.8	28.0	32.1	36.8	42.5	55.7	51.3	47.2
16	45.2	12.2	13.8	20.9	24.5	32.1	38.8	54.9	44.9	44.4	45.9
19	52.1	12.4	15.9	19.5	30.1	34.5	49.3	46.0	43.8	43.8	41.6
22	51.6	10.8	19.6	26.3	34.4	50.7	45.1	43.8	45.5	40.6	42.9

JANUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	65.4	53.8	46.2	38.5	50.0	11.5
4	5.3	69.6	47.8	52.2	39.1	47.8	.0
7	4.8	71.4	61.9	47.6	66.7	28.6	19.0
10	9.0	82.1	74.4	64.1	43.6	25.6	5.1
13	15.0	81.5	64.6	47.7	23.1	9.2	12.3
16	11.1	56.3	43.8	37.5	37.5	12.5	18.8
19	6.5	60.7	57.1	53.6	28.6	21.4	17.9
22	8.3	47.2	41.7	41.7	22.2	19.4	25.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	81.0	76.2	66.7	61.9	47.6	19.0
4	4.6	100.0	90.0	90.0	75.0	35.0	20.0
7	5.8	88.0	72.0	72.0	56.0	24.0	24.0
10	4.8	90.5	85.7	76.2	47.6	23.8	23.8
13	4.1	83.3	77.8	66.7	50.0	44.4	22.2
16	3.5	93.3	86.7	80.0	60.0	40.0	6.7
19	7.1	93.5	87.1	83.9	83.9	64.5	12.9
22	6.5	100.0	100.0	100.0	78.6	75.0	7.1

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	38.9	84.0	81.1	78.7	75.1	68.0	49.7
4	40.1	86.8	83.9	81.0	75.9	63.2	47.7
7	46.4	90.0	84.1	83.1	70.6	56.7	56.2
10	49.8	82.4	81.0	76.4	72.2	52.3	59.7
13	44.7	87.6	85.1	79.9	65.5	55.7	59.8
16	47.2	91.2	80.0	70.2	57.6	55.1	62.0
19	40.1	81.6	74.1	71.3	65.5	66.7	52.3
22	36.6	83.6	76.7	73.6	68.6	69.2	42.8

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	16.6	66.7	69.4	62.5	55.6	37.5	23.6
4	20.3	83.0	71.6	67.0	43.2	18.2	28.4
7	23.6	73.5	60.8	54.9	37.3	23.5	38.2
10	19.4	71.4	60.7	48.8	25.0	28.6	28.6
13	15.9	73.9	49.3	39.1	31.9	27.5	21.7
16	10.6	67.4	67.4	60.9	54.3	34.8	19.6
19	12.4	87.0	72.2	68.5	48.1	44.4	16.7
22	13.6	83.1	61.0	55.9	49.2	30.5	27.1

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.4	68.8	62.5	59.4	56.3	3.1	28.1
4	12.2	83.0	71.7	73.6	30.2	3.8	17.0
7	19.4	75.0	50.0	31.0	7.1	6.0	34.5
10	8.8	55.3	34.2	28.9	10.5	10.5	10.5
13	4.1	61.1	38.9	27.8	11.1	5.6	11.1
16	3.0	69.2	46.2	30.8	46.2	46.2	23.1
19	3.7	62.5	50.0	43.8	25.0	37.5	.0
22	5.5	83.3	83.3	58.3	45.8	20.3	12.5

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	.0	.0	.0	.0	.0
4	.5	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.4	94.7	73.7	73.7	47.4	47.4	15.8
4	7.4	71.9	59.4	56.3	25.0	18.8	21.9
7	7.6	78.8	66.7	48.5	48.5	21.2	15.2
10	6.9	66.7	46.7	43.3	20.0	13.3	3.3
13	7.1	54.8	35.5	45.2	25.8	6.5	9.7
16	5.5	58.3	45.8	50.0	37.5	25.0	4.2
19	5.8	68.0	48.0	52.0	24.0	28.0	12.0
22	6.9	63.3	50.0	23.3	33.3	23.3	3.3

JANUARY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	1.5	2.5	2.7	2.7	12.7	5.6
4	94.7	1.7	1.5	2.2	7.3	9.0	5.8
7	95.2	2.7	4.6	7.0	12.4	5.3	4.1
10	91.0	6.8	9.4	10.1	7.8	6.6	9.4
13	85.0	3.5	4.6	4.6	3.5	5.4	15.4
16	88.9	2.1	2.1	2.6	4.7	4.7	9.6
19	93.5	3.3	5.4	5.2	4.4	3.7	5.7
22	91.7	1.8	1.0	2.8	4.0	8.0	6.8

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	1.0	1.5	1.5	2.9	1.9	7.0
4	95.4	.5	.7	1.7	1.4	1.9	6.8
7	94.2	.0	.2	.7	1.0	6.1	7.6
10	95.2	.2	.5	.5	1.2	5.6	6.8
13	95.9	.7	.5	.7	5.3	6.0	6.3
16	96.5	.2	1.0	4.5	4.5	6.2	6.4
19	92.9	.0	.2	.5	1.7	4.2	6.5
22	93.5	.7	1.0	1.2	2.5	3.0	6.4

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	61.1	8.3	14.0	15.5	28.0	29.8	31.3
4	59.9	9.6	13.8	23.2	32.3	36.5	36.2
7	53.6	13.8	16.8	21.1	22.5	25.9	40.7
10	56.2	8.7	10.6	13.3	22.5	21.1	41.3
13	55.3	10.8	15.5	20.8	19.6	24.6	34.2
16	52.8	10.9	13.1	13.1	17.9	27.9	32.4
19	59.9	8.1	10.0	13.5	20.4	35.1	31.5
22	63.4	7.3	15.6	18.2	24.7	39.6	33.1

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	83.4	4.7	9.7	11.9	17.2	11.6	16.0
4	79.7	6.4	9.0	12.5	13.3	8.7	18.5
7	76.4	5.7	7.3	8.5	9.4	9.1	19.4
10	80.6	3.7	7.2	8.0	7.1	10.0	17.4
13	84.1	4.1	3.8	5.2	8.8	15.3	15.1
16	89.4	4.4	6.2	6.7	8.8	18.8	9.8
19	87.6	5.3	3.9	5.1	12.9	20.8	12.1
22	86.4	6.1	10.1	11.2	16.0	17.9	11.7

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.6	5.0	5.7	8.5	16.5	4.2	6.0
4	87.8	3.7	7.9	11.8	5.8	2.9	11.5
7	80.6	4.9	4.3	3.4	3.4	3.2	16.7
10	91.2	1.5	1.8	1.8	2.3	5.1	8.6
13	95.9	1.2	1.2	1.9	3.4	7.7	3.8
16	97.0	1.7	3.3	2.9	4.3	11.2	2.1
19	96.3	.7	2.4	4.1	6.9	19.4	4.1
22	94.5	1.7	3.2	4.6	10.2	8.0	5.6

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.5	.0	.0	.2
4	99.5	.0	.0	.0	.2	.0	.5
7	100.0	.2	.5	.2	.0	.2	.0
10	99.8	.0	.0	.0	.0	.0	.2
13	100.0	.0	.0	.0	.2	.2	.0
16	100.0	.0	.0	.2	.0	.5	.0
19	99.8	.0	.0	.0	.2	.0	.2
22	100.0	.0	.0	.2	.5	.2	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.6	3.1	3.4	4.3	5.8	5.3	3.9
4	92.6	3.5	3.0	3.7	5.5	4.5	6.2
7	92.4	1.5	3.8	3.5	3.8	4.5	7.0
10	93.1	2.7	3.7	4.5	4.5	6.4	6.9
13	92.9	2.2	2.0	2.5	4.2	4.2	6.7
16	94.5	2.2	3.7	3.2	5.1	6.3	5.4
19	94.2	2.9	2.9	4.2	3.2	6.4	5.1
22	93.1	1.5	3.2	3.0	5.4	5.4	7.2

FEBRUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	46.9	90.8	83.2	79.9	79.9	77.7	76.6	73.4	64.7	59.8	54.9
4	52.0	90.2	87.3	84.3	79.4	77.9	74.5	63.2	60.3	57.8	62.3
7	60.5	87.3	78.8	78.9	78.1	74.7	63.3	59.9	57.4	57.0	63.7
10	57.9	89.9	89.0	85.9	81.1	67.4	61.7	57.7	60.8	63.0	62.1
13	58.9	89.2	87.4	85.3	69.7	63.6	57.6	58.9	60.6	59.7	62.8
16	59.7	88.0	82.9	73.1	65.4	59.4	60.3	62.4	62.0	63.2	62.8
19	50.5	84.8	81.3	75.8	68.2	66.7	67.7	65.7	67.7	62.6	56.1
22	47.7	79.7	73.3	71.7	65.8	67.9	67.9	69.0	65.2	62.0	57.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	53.1	13.5	21.2	27.4	43.3	40.4	43.3	47.6	38.0	37.0	37.0
4	48.0	11.2	17.0	34.6	34.6	38.3	43.6	36.7	34.0	31.9	36.2
7	39.5	17.4	22.6	25.8	29.7	36.8	31.0	29.0	27.1	38.7	52.3
10	42.1	9.7	14.5	21.8	30.3	27.3	28.5	28.5	34.5	53.9	48.5
13	41.1	16.1	15.5	23.0	23.0	24.8	28.0	36.6	57.1	51.6	49.7
16	40.3	9.5	15.2	17.1	21.5	24.7	34.2	54.4	48.1	48.7	51.9
19	49.5	8.2	14.9	19.1	22.2	32.5	50.5	46.9	46.9	54.1	44.3
22	52.3	8.3	16.6	21.5	35.1	51.2	45.9	46.8	52.2	39.5	38.5

FEBRUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.4	68.0	44.0	36.0	28.0	40.0	28.0
4	4.1	68.8	68.8	50.0	75.0	75.0	31.3
7	4.3	76.5	88.2	76.5	82.4	52.9	11.8
10	11.2	81.8	77.3	79.5	68.2	45.5	22.7
13	17.3	72.1	67.6	64.7	30.9	19.1	30.9
16	15.6	72.1	63.9	44.3	41.0	13.1	24.6
19	7.7	70.0	63.3	63.3	36.7	16.7	26.7
22	9.4	59.5	43.2	40.5	27.0	29.7	24.3

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	8.9	94.3	91.4	91.4	80.0	74.3	28.6
4	8.4	90.9	90.9	87.9	84.8	75.8	27.3
7	8.9	97.1	91.4	88.6	80.0	34.3	25.7
10	8.9	94.3	91.4	88.6	77.1	42.9	28.6
13	8.4	93.9	90.9	84.8	45.5	42.4	27.3
16	8.2	100.0	100.0	59.4	56.3	40.6	21.9
19	5.9	91.3	87.0	87.0	69.6	47.8	30.4
22	5.9	95.7	87.0	82.6	69.6	47.8	30.4

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	35.2	87.0	79.7	75.4	71.7	65.9	48.6
4	39.0	86.3	81.0	81.7	78.4	68.0	56.2
7	46.4	85.2	78.0	80.2	70.9	59.3	53.3
10	47.7	87.7	83.4	79.1	72.7	48.1	52.9
13	45.2	87.6	80.8	76.8	68.4	52.0	53.7
16	45.7	88.8	82.1	73.7	57.5	55.3	53.1
19	41.3	83.3	77.8	69.1	64.2	61.1	50.6
22	35.2	79.7	72.5	71.0	65.2	65.2	42.8

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	15.8	83.9	71.0	61.3	43.5	40.3	19.4
4	17.6	87.0	75.4	63.8	47.8	29.0	30.4
7	18.6	78.1	60.3	58.9	41.1	27.4	31.5
10	16.8	68.2	59.1	50.0	31.8	31.8	24.2
13	14.0	76.4	70.9	52.7	34.5	32.7	21.8
16	13.0	74.5	54.9	49.0	51.0	39.2	19.6
19	14.0	81.8	74.5	58.2	50.9	40.0	25.5
22	15.8	64.5	56.5	59.7	50.0	38.7	24.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.9	81.5	70.4	66.7	63.0	25.9	11.1
4	12.8	78.0	78.0	68.0	32.0	10.0	24.0
7	18.9	71.6	43.8	27.0	16.2	9.5	36.5
10	9.2	52.8	50.0	38.9	22.2	11.1	19.4
13	5.4	57.1	33.3	28.6	9.5	19.0	9.5
16	6.1	75.0	41.7	33.3	29.2	29.2	8.3
19	3.8	53.3	53.3	60.0	40.0	26.7	6.7
22	4.8	78.9	57.9	52.6	36.8	31.6	15.8

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.8	33.3	33.3	33.3	.0	.0	.0
4	.3	100.0	100.0	.0	.0	.0	.0
7	.3	.0	.0	.0	.0	.0	.0
10	.5	100.0	.0	.0	.0	.0	.0
13	.5	50.0	50.0	.0	.0	.0	.0
16	.8	33.3	.0	.0	33.3	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.5	50.0	50.0	50.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.4	47.6	33.3	47.6	33.3	33.3	9.5
4	5.6	59.1	72.7	50.0	59.1	31.8	22.7
7	5.9	69.6	69.6	73.9	30.4	26.1	8.7
10	9.7	44.7	47.4	42.1	31.6	21.1	15.8
13	6.9	53.0	51.9	55.6	33.3	18.5	11.1
16	9.2	71.9	46.9	50.0	31.3	21.9	15.6
19	8.2	65.6	65.6	53.1	25.0	31.3	9.4
22	7.7	63.3	53.3	40.0	33.3	36.7	30.0

FEBRUARY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.6	2.5	1.9	1.9	2.7	15.8	4.6
4	95.9	1.6	1.3	2.4	8.5	13.0	2.7
7	95.7	3.7	7.5	8.3	14.4	5.6	4.0
10	88.8	5.7	8.0	9.5	8.9	4.9	10.3
13	82.7	8.3	6.2	5.2	2.8	3.4	14.8
16	84.4	2.1	.6	.9	3.6	2.1	14.5
19	92.3	2.2	5.2	5.0	3.6	3.3	6.1
22	90.6	2.0	3.1	2.5	1.4	9.9	8.2

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.1	.3	.0	.3	2.0	2.0	3.1
4	91.6	.6	1.1	1.7	1.9	1.9	2.8
7	91.1	.6	.8	1.1	1.4	3.1	3.4
10	91.1	.0	.6	.6	1.4	2.2	3.4
13	91.6	.0	.3	1.1	2.2	1.9	3.1
16	91.8	.6	.8	1.1	1.4	1.7	3.6
19	94.1	.5	.8	.8	1.4	2.7	4.6
22	94.1	.3	.3	.5	.8	3.0	4.3

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	64.8	9.8	13.8	19.3	32.7	33.9	29.9
4	61.0	8.4	14.2	23.8	28.0	31.4	27.2
7	53.6	15.2	19.1	19.5	22.9	25.7	39.5
10	52.3	3.9	8.8	14.1	21.0	23.4	41.0
13	54.8	7.9	14.0	20.0	19.1	23.7	37.7
16	54.3	8.0	12.7	14.1	16.4	24.4	38.5
19	58.7	6.1	8.7	11.3	17.0	35.2	34.8
22	64.8	7.5	13.0	17.7	24.0	36.6	31.5

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	84.2	4.8	8.5	9.4	13.9	9.1	14.8
4	82.4	5.0	7.7	9.0	10.2	9.6	14.6
7	81.4	6.9	6.0	7.2	7.8	11.0	15.0
10	83.2	4.9	6.1	6.7	9.2	12.6	14.4
13	86.0	4.5	4.7	6.5	10.7	12.8	12.2
16	87.0	2.9	5.0	8.8	10.6	14.1	11.1
19	86.0	3.6	7.4	8.9	9.8	14.5	11.0
22	84.2	1.8	4.5	7.3	11.2	11.8	14.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.1	2.7	6.0	8.8	15.6	3.8	6.3
4	87.2	1.8	3.2	11.7	5.8	5.6	10.8
7	81.1	3.5	3.5	5.0	2.8	2.5	14.2
10	90.8	.8	1.7	2.0	4.5	4.2	8.1
13	94.6	1.1	3.8	4.9	3.5	5.9	5.1
16	93.9	1.4	1.6	1.9	3.3	11.4	6.0
19	96.2	.8	1.3	2.7	5.3	18.0	3.4
22	95.2	.8	2.4	4.3	11.3	8.0	3.8

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.2	.0	.0	.0	.3	.5	.8
4	99.7	.0	.3	.3	.5	.8	.3
7	99.7	.0	.5	.5	.5	.5	.3
10	99.5	.0	.3	.5	.8	.5	.5
13	99.5	.5	1.3	.8	.5	.8	.5
16	99.2	.0	.3	.5	.3	.3	.8
19	99.5	.3	.8	.5	.8	.3	.5
22	99.5	.0	.3	.5	.3	.5	.5

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.6	2.2	4.0	3.2	4.3	5.4	5.1
4	94.4	1.9	3.2	3.2	6.8	6.8	4.9
7	94.1	3.3	4.3	5.7	5.4	7.0	5.7
10	90.3	2.0	2.3	3.1	5.6	6.2	9.3
13	93.1	3.8	4.7	4.7	6.3	4.4	6.8
16	91.8	2.2	3.1	4.4	5.6	4.4	7.5
19	91.8	2.2	3.3	3.6	3.6	3.6	8.3
22	92.3	1.4	3.3	2.5	3.6	7.7	6.4

MARCH

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	45.5	85.3	80.6	75.6	77.7	74.5	76.6	73.6	67.3	57.1	55.6
4	46.1	84.9	87.4	85.0	75.9	76.5	75.4	68.8	57.5	59.0	59.5
7	57.6	83.5	80.8	78.7	74.8	75.1	67.5	56.0	56.4	54.8	67.2
10	55.9	88.8	85.5	85.1	82.2	71.4	58.1	57.3	55.4	64.0	63.5
13	60.0	90.0	85.4	83.5	70.7	57.5	54.8	55.0	66.2	66.0	67.7
16	60.3	88.1	83.5	76.6	62.7	61.2	58.6	65.9	66.9	69.0	66.2
19	53.6	82.8	75.9	71.4	64.5	60.3	66.8	66.7	68.1	66.7	62.3
22	45.5	81.1	76.1	73.5	70.1	68.5	69.9	74.1	70.9	63.8	55.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	54.5	13.1	18.2	21.2	40.7	40.7	46.4	49.2	41.9	35.6	37.7
4	53.9	11.1	21.0	34.2	38.9	45.9	47.4	40.6	35.2	34.8	36.3
7	42.4	11.4	20.7	25.0	39.9	40.2	34.8	31.1	31.7	36.4	45.1
10	44.1	12.6	21.1	27.9	32.1	30.9	29.3	31.4	36.1	49.7	47.6
13	40.0	17.9	23.7	25.0	27.7	27.7	32.4	34.7	45.1	42.2	50.0
16	39.7	14.5	17.5	18.1	19.2	22.7	29.1	45.3	40.7	48.0	52.3
19	46.4	5.5	11.9	15.9	24.4	31.8	47.8	44.8	52.0	53.7	45.3
22	54.5	9.3	14.0	22.9	27.5	48.7	45.3	49.4	52.1	46.6	37.4

MARCH

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.7	55.2	51.7	44.8	37.9	48.3	10.3
4	4.8	52.4	66.7	52.4	71.4	66.7	19.0
7	5.3	69.6	65.2	69.6	56.5	39.1	17.4
10	13.4	75.9	70.7	67.2	63.8	27.6	24.1
13	19.4	81.9	70.2	65.5	40.5	16.9	29.8
16	20.1	69.0	59.3	47.1	35.6	17.2	32.6
19	11.5	66.0	60.0	58.0	32.0	24.0	28.0
22	10.4	71.1	48.9	42.2	33.3	33.3	20.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.7	100.0	93.8	93.8	87.5	50.0	31.3
4	4.4	100.0	100.0	94.7	88.9	42.1	42.1
7	4.8	90.5	90.5	90.0	52.4	47.6	33.3
10	4.4	89.5	88.9	57.9	47.4	42.1	31.6
13	3.5	93.3	80.0	86.7	86.7	66.7	40.0
16	3.9	100.0	100.0	100.0	88.2	64.7	41.2
19	4.2	94.4	88.9	88.9	72.2	66.7	33.3
22	4.2	94.1	88.9	83.3	77.8	66.7	33.3

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	37.9	84.8	78.5	70.7	75.0	68.9	47.9
4	36.6	81.6	83.5	83.6	73.4	66.5	50.3
7	48.2	84.6	79.9	78.4	73.2	61.5	59.8
10	46.7	86.1	81.7	78.7	73.8	52.7	56.7
13	46.9	89.6	80.8	79.3	65.8	53.0	58.1
16	46.9	87.2	80.3	75.9	61.4	54.2	55.7
19	43.6	82.0	72.0	70.7	62.8	64.0	50.5
22	36.5	77.8	74.7	72.6	63.9	63.7	46.8

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	10.6	67.4	53.3	47.8	30.4	30.4	19.6
4	12.7	75.9	59.3	41.8	33.3	14.5	18.2
7	11.8	72.5	66.7	51.0	35.3	19.6	21.6
10	13.4	67.2	51.7	46.6	24.1	22.4	19.3
13	13.9	68.3	55.0	38.3	30.0	20.0	18.3
16	9.0	71.8	61.5	56.4	46.2	20.5	17.9
19	10.2	59.1	52.3	47.7	36.4	20.5	18.2
22	10.9	66.0	51.1	48.9	38.3	29.8	21.3

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.1	68.2	40.9	54.5	45.5	4.5	9.1
4	7.8	69.7	63.6	64.7	21.2	14.7	11.8
7	14.3	54.8	41.9	25.8	12.9	12.9	30.6
10	6.2	48.1	48.1	33.3	40.7	22.2	22.2
13	5.1	77.3	63.6	54.5	50.0	22.7	18.2
16	4.8	76.2	71.4	71.4	42.9	33.3	9.5
19	6.2	77.8	63.0	51.9	40.7	33.3	18.5
22	3.9	58.8	52.9	47.1	35.3	29.4	17.6

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	.0	33.3	.0	.0	.0
4	.5	100.0	50.0	50.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.9	100.0	75.0	25.0	25.0	50.0	25.0
13	1.6	100.0	57.1	42.9	28.6	14.3	14.3
16	1.6	85.7	28.6	14.3	14.3	.0	.0
19	3.5	53.3	33.3	26.7	6.7	.0	20.0
22	2.1	11.1	11.1	22.2	11.1	11.1	11.1

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	9.0	64.1	47.4	41.0	25.6	25.6	12.8
4	6.0	72.0	52.0	42.3	36.0	15.4	15.4
7	4.1	72.2	66.7	55.6	38.9	16.7	11.1
10	5.5	54.2	50.0	50.0	33.3	16.7	20.8
13	6.5	67.9	64.3	46.4	32.1	25.0	21.4
16	6.5	53.6	46.4	57.1	32.1	28.6	21.4
19	8.5	78.4	56.8	56.8	51.4	18.9	18.9
22	7.2	54.8	64.5	54.8	32.3	22.6	6.5

MARCH

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.3	1.2	2.7	2.0	3.0	17.4	6.7
4	95.2	1.5	2.9	2.9	10.4	17.7	5.1
7	94.7	4.4	8.8	10.2	17.3	10.0	5.1
10	86.6	6.7	8.6	11.8	13.4	7.8	12.8
13	80.6	7.4	10.6	9.2	4.6	4.6	17.8
16	79.9	3.5	1.7	2.6	4.1	2.9	17.3
19	88.5	2.9	3.1	4.2	3.7	3.4	10.5
22	89.6	1.3	2.3	2.8	2.6	12.1	9.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.3	.5	1.0	1.0	1.7	1.7	2.9
4	95.6	.0	.7	.7	.7	2.2	2.9
7	95.2	.2	.2	.2	1.0	1.9	3.6
10	95.6	.7	.7	.7	1.7	2.2	2.9
13	96.5	.7	.7	1.0	1.2	1.7	2.6
16	96.1	.0	.5	.2	.7	2.2	2.9
19	95.8	.0	.2	.5	1.0	2.4	2.9
22	95.8	.2	.5	.5	1.4	1.7	3.1

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	62.1	10.4	15.2	15.6	31.6	33.6	31.2
4	63.4	9.5	16.4	27.6	31.3	35.6	29.8
7	51.8	12.4	16.9	17.3	22.3	27.1	36.9
10	53.3	9.1	14.0	18.7	23.5	22.5	39.0
13	53.1	10.4	14.3	17.9	23.9	23.9	38.0
16	53.1	9.6	14.9	14.8	14.3	22.2	39.3
19	56.4	4.5	8.2	10.2	18.0	35.7	38.5
22	63.5	8.8	10.9	17.5	21.8	37.5	30.7

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	89.4	4.9	7.5	8.5	9.6	11.9	9.8
4	87.3	4.0	6.9	7.4	10.6	8.2	12.4
7	88.2	6.0	8.4	8.4	11.0	8.9	11.0
10	86.6	5.1	7.5	8.6	6.4	9.1	12.8
13	86.1	3.5	4.6	4.3	7.0	9.7	14.0
16	91.0	2.8	4.1	5.6	7.1	12.2	8.7
19	89.8	4.4	6.4	6.7	8.2	11.3	10.1
22	89.1	3.4	4.4	6.5	10.1	11.7	9.9

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.9	2.4	3.7	5.4	12.7	5.1	4.9
4	92.2	3.5	5.5	10.0	5.0	4.0	8.0
7	85.7	1.3	1.9	3.0	3.8	5.1	12.1
10	93.8	1.0	1.7	3.2	2.5	2.7	5.2
13	94.9	.7	1.9	2.2	3.9	4.1	4.4
16	95.2	1.7	2.2	2.9	1.9	7.0	4.9
19	93.8	.5	1.0	.7	2.7	13.5	5.7
22	96.1	1.0	2.4	3.4	7.2	5.3	3.6

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.5	.2	.2	1.6	.7
4	99.5	.0	.2	.0	.9	1.6	.5
7	99.8	.2	.5	.9	1.6	3.5	.2
10	99.1	.5	1.4	1.4	1.4	1.6	.7
13	98.4	.2	.9	.9	3.1	.5	1.2
16	98.4	.9	2.6	3.3	1.6	.5	2.1
19	96.5	.0	.7	1.2	.5	.2	2.9
22	97.9	.2	.2	.2	.2	.7	1.9

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.0	1.8	2.5	2.5	2.0	4.6	8.4
4	94.0	2.2	2.9	1.7	3.7	5.9	5.1
7	95.9	3.4	2.6	3.4	5.1	8.2	4.1
10	94.5	3.7	2.5	3.9	4.9	6.6	4.4
13	93.5	2.0	2.2	3.7	6.9	7.7	5.4
16	93.5	2.2	4.0	5.2	5.2	4.2	5.7
19	91.5	3.5	3.0	2.5	5.1	3.0	7.8
22	92.8	2.0	2.5	5.5	3.7	4.0	7.0

APRIL

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	37.4	76.4	69.4	66.2	68.2	66.9	66.2	63.7	55.4	42.0	49.0
4	37.6	80.4	81.0	75.3	67.7	69.0	64.6	57.0	44.3	46.2	44.3
7	50.7	82.5	74.6	68.1	71.4	69.0	57.7	45.5	49.3	45.5	59.6
10	44.8	87.8	80.9	79.8	76.1	61.7	48.9	52.1	48.9	60.6	52.7
13	49.8	84.2	81.3	83.3	64.6	48.3	50.2	47.8	60.8	52.6	61.2
16	52.6	86.4	76.8	67.0	52.9	51.6	47.1	61.1	56.1	59.3	61.5
19	44.0	78.9	71.4	63.8	59.5	51.4	67.6	61.1	67.0	67.6	57.3
22	35.2	78.4	69.6	66.9	58.1	66.2	61.5	66.9	64.9	59.5	45.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	62.6	11.8	17.9	20.5	40.3	31.6	39.9	46.0	37.3	31.2	29.3
4	62.4	13.4	30.5	35.9	30.9	38.2	45.4	36.3	29.8	30.9	31.7
7	49.3	13.0	21.7	20.8	27.5	35.7	30.0	24.6	23.7	27.1	40.1
10	55.2	12.9	21.1	25.4	33.6	29.7	24.1	24.1	26.3	41.4	36.2
13	50.2	11.4	19.9	22.3	23.7	22.3	23.2	25.1	39.3	34.6	35.5
16	47.4	11.6	15.6	18.6	15.6	20.1	24.6	37.7	29.6	36.2	40.2
19	56.0	6.4	9.4	12.8	18.7	24.7	36.2	29.8	33.6	38.7	31.9
22	64.8	9.9	14.3	20.2	24.6	41.2	33.8	38.2	44.1	34.2	29.0

APRIL

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS AT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	68.0	68.0	56.0	52.0	72.0	20.0
4	5.7	66.7	66.7	58.3	70.8	70.8	12.5
7	5.5	60.9	56.5	65.2	73.9	21.7	8.7
10	11.7	73.5	75.5	71.4	59.2	12.2	18.4
13	18.8	72.2	58.2	59.5	19.0	10.1	25.3
16	18.8	60.3	37.2	29.1	19.0	12.7	32.9
19	6.7	57.1	50.0	39.3	35.7	35.7	10.7
22	5.7	66.7	62.5	50.0	33.3	41.7	8.3

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.1	100.0	92.3	84.6	84.6	76.9	30.8
4	2.6	100.0	100.0	100.0	90.9	72.7	27.3
7	3.8	93.8	93.8	87.5	87.5	56.3	25.0
10	4.0	100.0	100.0	100.0	88.2	47.1	17.6
13	4.5	94.7	89.5	89.5	68.4	31.6	21.1
16	4.5	89.5	84.2	78.9	57.9	31.6	26.3
19	4.8	80.0	75.0	65.0	45.0	35.0	30.0
22	3.3	92.9	85.7	71.4	57.1	57.1	21.4

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	29.3	71.5	61.0	56.9	64.2	48.8	40.7
4	28.8	78.5	76.9	75.2	57.9	47.1	33.9
7	41.2	81.5	66.5	61.3	57.2	54.3	55.5
10	34.0	81.1	74.8	72.7	64.3	40.6	43.4
13	34.5	84.1	82.8	79.3	68.3	48.3	51.7
16	37.1	87.2	80.8	73.7	51.9	44.2	50.6
19	35.7	75.3	69.3	60.7	54.0	64.7	51.0
22	27.1	77.2	68.4	65.8	54.4	56.1	38.6

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.7	70.8	45.8	29.2	20.8	12.5	4.2
4	8.6	44.4	38.9	36.1	44.4	16.7	8.3
7	11.2	60.9	44.7	36.2	27.7	6.4	21.3
10	9.8	61.0	48.8	31.7	14.6	9.8	9.8
13	8.6	55.6	44.4	33.3	11.1	11.1	13.9
16	7.1	60.0	40.0	23.3	3.3	20.0	13.3
19	5.5	52.2	52.2	47.8	34.8	17.4	13.0
22	4.8	60.0	50.0	35.0	10.0	10.0	.0

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	75.0	75.0	62.5	50.0	.0	.0
4	4.0	76.5	82.4	76.5	17.6	5.9	17.6
7	9.0	59.5	34.2	21.1	7.9	5.3	21.1
10	2.9	91.7	66.7	33.3	25.0	8.3	8.3
13	1.6	80.0	40.0	40.0	20.0	.0	20.0
16	2.4	30.0	40.0	20.0	.0	20.0	.0
19	1.0	100.0	25.0	25.0	25.0	75.0	.0
22	.5	50.0	50.0	50.0	50.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.5	50.0	50.0	100.0	.0	.0	.0
7	.7	33.3	.0	.0	.0	.0	.0
10	.7	.0	33.3	.0	.0	.0	.0
13	.7	66.7	66.7	66.7	.0	.0	.0
16	1.7	28.6	28.6	.0	.0	.0	.0
19	1.7	57.1	28.6	14.3	.0	.0	14.3
22	.7	66.7	.0	.0	.0	.0	33.3

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	44.4	22.2	22.2	11.1	22.2	.0
4	2.1	33.3	22.2	33.3	.0	22.2	22.2
7	2.4	20.0	10.0	.0	10.0	.0	.0
10	1.0	75.0	75.0	50.0	50.0	50.0	.0
13	3.3	57.1	57.1	35.7	21.4	35.7	7.1
16	5.2	36.4	40.9	22.7	27.3	4.5	4.5
19	2.9	41.7	33.3	41.7	16.7	8.3	.0
22	2.9	66.7	58.3	41.7	16.7	8.3	.0

APRIL

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	2.0	1.3	2.5	2.5	15.4	4.8
4	94.3	1.9	1.5	2.3	8.1	15.7	4.5
7	94.5	5.3	8.8	8.6	15.6	5.8	4.8
10	88.3	5.7	8.1	11.9	13.5	4.9	9.7
13	81.2	4.7	8.5	9.4	3.8	4.7	16.4
16	81.2	3.5	2.3	1.5	2.6	3.2	15.0
19	93.3	2.3	3.3	3.3	3.6	2.8	5.4
22	94.3	1.8	2.8	3.0	3.3	8.8	5.8

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.9	.0	.0	.0	1.2	2.2	1.7
4	97.4	.2	1.0	1.2	1.7	2.7	1.5
7	96.2	.5	.5	.7	1.2	2.7	2.7
10	96.0	.2	.0	.5	1.0	1.5	3.0
13	95.5	.2	.2	.5	1.7	1.2	2.7
16	95.5	.5	1.0	1.2	.7	.7	2.5
19	95.2	.0	.3	.3	.5	2.0	3.0
22	96.7	.2	.2	.2	.2	1.7	2.2

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	70.7	9.4	15.5	17.2	31.6	28.6	24.6
4	71.2	11.4	18.4	27.4	24.4	33.1	25.4
7	58.8	8.1	13.8	15.0	18.6	22.7	30.8
10	66.0	9.0	15.2	14.8	23.1	20.2	28.2
13	65.5	6.9	11.6	14.9	18.5	19.3	24.0
16	62.9	7.2	11.8	13.3	12.5	18.2	28.8
19	64.3	3.3	4.8	8.5	15.6	27.8	25.6
22	72.9	8.5	10.5	15.7	18.0	24.8	22.9

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.3	1.0	4.8	7.3	10.6	8.3	5.1
4	91.4	4.2	5.5	8.9	6.5	6.3	7.8
7	88.8	2.9	6.4	6.4	6.2	5.4	9.1
10	90.2	4.0	6.9	6.1	6.3	4.2	9.5
13	91.4	1.8	2.9	4.7	4.9	4.4	7.8
16	92.9	2.6	1.8	4.1	4.9	6.9	6.4
19	94.5	.8	1.5	2.3	3.3	10.1	4.5
22	95.2	2.2	4.7	3.5	7.7	9.5	4.5

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	1.0	2.4	2.9	8.3	1.2	1.9
4	96.0	.7	7.9	6.2	2.2	2.2	3.0
7	91.0	.8	1.0	1.0	.5	.5	7.3
10	97.1	.5	.0	.2	1.7	.2	2.7
13	98.8	1.0	1.7	1.9	.7	1.9	1.2
16	97.6	1.0	.5	.5	.5	3.2	2.2
19	99.0	.2	.2	.2	1.7	7.9	1.0
22	99.5	.5	1.2	1.7	3.3	2.9	.2

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.5	.7	.7	.0
4	99.5	.5	.0	.2	.7	1.7	.5
7	99.3	.0	.2	.7	.7	1.7	.7
10	99.3	.2	.5	.7	1.7	.7	1.2
13	99.3	1.0	1.2	1.2	1.7	.0	1.0
16	98.3	.7	1.2	1.7	.7	.5	1.2
19	98.3	.0	.7	.5	.0	.7	1.7
22	99.3	.2	.2	.0	.5	1.2	.5

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.5	.7	1.7	2.2	2.9	2.2
4	97.9	.2	1.7	1.7	1.0	4.9	1.7
7	97.6	.7	1.5	1.0	3.2	2.9	2.2
10	99.0	1.9	1.4	2.9	4.8	2.4	1.4
13	96.7	2.2	2.7	4.2	2.2	1.0	3.4
16	94.8	1.8	1.3	1.8	1.5	2.0	5.0
19	97.1	1.2	1.0	1.7	1.7	2.0	2.7
22	97.1	2.0	1.5	1.0	1.7	1.2	2.7

MAY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	29.5	85.9	72.7	59.4	70.3	71.1	68.8	79.7	75.0	56.3	39.8
4	27.9	79.3	80.2	76.9	70.2	78.5	82.6	80.2	57.0	39.7	37.2
7	42.6	84.3	76.8	73.0	73.5	78.9	70.8	54.6	40.5	39.5	55.1
10	44.7	88.1	84.5	83.0	78.9	74.7	54.6	44.3	40.7	54.1	60.8
13	46.9	86.2	89.2	85.7	78.3	55.2	44.8	40.9	53.7	57.1	62.6
16	54.4	87.7	80.5	79.7	54.2	42.8	38.6	51.7	55.5	61.4	66.9
19	55.1	82.0	68.2	60.3	43.9	39.7	55.2	59.8	61.5	67.4	66.1
22	37.1	75.8	64.0	56.5	45.3	60.9	66.5	64.6	72.0	71.4	50.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	70.5	9.5	11.1	14.7	31.0	33.7	37.7	43.8	46.7	29.1	24.8
4	72.1	15.0	29.7	29.4	34.8	34.6	43.5	45.4	29.4	25.2	24.6
7	57.4	13.7	17.3	23.7	27.0	36.1	43.4	24.1	20.9	19.7	33.7
10	55.3	11.7	13.7	17.6	34.6	39.2	22.9	17.1	17.9	33.7	32.1
13	53.1	10.9	20.9	27.0	34.8	21.3	15.7	17.0	33.0	34.3	34.9
16	45.6	15.2	20.7	25.8	16.7	13.1	15.7	32.3	32.3	31.5	40.4
19	44.9	7.2	7.2	8.7	11.3	13.8	27.7	26.7	30.9	39.5	42.6
22	62.9	7.0	10.3	13.2	17.9	32.2	32.2	37.9	44.7	46.2	28.9

MAY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.0	76.9	76.9	53.8	46.2	53.8	15.4
4	3.0	84.6	76.9	69.2	76.9	84.6	7.7
7	5.1	81.8	77.3	81.8	68.2	31.8	13.6
10	11.8	76.5	72.5	72.5	54.9	17.6	21.6
13	14.8	71.9	68.8	56.3	26.6	6.3	34.4
16	15.2	60.0	42.4	28.8	19.7	10.6	22.7
19	5.5	75.0	62.5	45.8	16.7	29.2	20.8
22	4.8	61.9	52.4	47.6	42.9	61.9	33.3

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	100.0	75.0	75.0	75.0	50.0	25.0
4	.9	100.0	100.0	100.0	75.0	50.0	25.0
7	1.4	83.3	50.0	50.0	50.0	50.0	33.3
10	.9	75.0	75.0	75.0	75.0	25.0	25.0
13	1.4	66.7	66.7	83.3	66.7	33.3	33.3
16	1.2	80.0	80.0	80.0	40.0	40.0	60.0
19	1.6	85.7	71.4	42.9	57.1	42.9	28.6
22	.7	100.0	100.0	100.0	66.7	66.7	33.3

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	25.1	87.2	72.5	58.7	72.5	55.0	35.8
4	22.1	76.0	74.0	72.9	60.4	77.1	33.3
7	35.5	81.2	72.7	66.9	63.6	68.8	48.7
10	34.3	88.6	82.6	75.8	74.5	51.7	50.3
13	33.3	87.5	90.3	88.2	79.2	47.2	45.1
16	42.9	88.2	83.3	82.3	56.5	34.4	58.1
19	49.1	78.9	65.7	59.2	42.3	51.6	63.8
22	31.8	73.2	63.0	55.8	43.5	52.2	43.5

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.9	46.7	40.0	33.3	13.3	16.7	20.0
4	7.1	41.9	38.7	32.3	29.0	12.9	12.9
7	6.9	60.0	46.7	43.3	26.7	13.3	6.7
10	7.6	66.7	57.6	48.5	18.2	21.2	24.2
13	8.1	60.0	51.4	45.7	22.9	20.0	17.1
16	7.8	55.9	35.3	32.4	29.4	8.8	17.6
19	5.8	76.0	40.0	40.0	20.0	12.0	16.0
22	6.5	57.1	39.3	35.7	17.9	17.9	14.3

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	100.0	100.0	33.3	.0	.0	.0
4	2.8	66.7	58.3	33.3	25.0	16.7	16.7
7	6.7	65.5	48.3	55.2	44.8	20.7	41.4
10	4.6	85.0	70.0	70.0	60.0	20.0	35.0
13	3.7	87.5	81.3	75.0	37.5	6.3	43.8
16	4.1	55.6	27.8	27.8	16.7	11.1	27.8
19	3.2	57.1	42.9	35.7	7.1	50.0	21.4
22	1.8	50.0	25.0	12.5	25.0	50.0	25.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.7	33.3	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	2.1	66.7	44.4	33.3	11.1	.0	.0
13	3.9	70.6	52.9	41.2	17.6	.0	5.9
16	7.4	62.5	37.5	34.4	9.4	6.3	21.9
19	5.1	68.2	27.3	13.6	.0	.0	13.6
22	2.8	66.7	25.0	.0	8.3	16.7	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	25.0	50.0	.0	.0	25.0	.0
4	2.5	27.3	18.2	27.3	.0	27.3	.0
7	2.5	36.4	36.4	36.4	36.4	9.1	9.1
10	3.5	60.0	53.3	66.7	26.7	26.7	.0
13	4.8	47.6	47.6	47.6	9.5	.0	4.8
16	6.2	51.9	29.6	25.9	14.8	3.7	7.4
19	4.4	57.9	26.3	21.1	10.5	.0	5.3
22	3.7	50.0	37.5	18.8	18.8	18.8	6.3

MAY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.0	1.7	1.2	1.4	3.8	13.6	2.4
4	97.0	1.4	2.1	3.1	9.7	13.1	2.9
7	94.9	3.9	5.6	8.0	11.9	4.1	4.9
10	88.2	4.2	6.5	7.1	9.9	3.1	10.7
13	85.2	4.9	7.0	8.1	1.9	2.2	12.0
16	84.8	3.0	1.1	1.4	2.2	1.6	13.9
19	94.5	1.7	2.2	2.4	2.0	3.9	5.4
22	95.2	.7	1.5	.5	1.0	9.4	3.6

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.0	.2	.2	.7	.9	.7
4	99.1	.0	.2	.5	.2	.7	.7
7	98.6	.0	.0	.2	.7	.9	.7
10	99.1	.2	.2	.7	.5	.5	.7
13	98.6	.0	.0	.0	.7	.5	.9
16	98.8	.0	.5	.7	.2	.5	.7
19	98.4	.0	.0	.0	.0	.5	1.4
22	99.3	.0	.2	.2	.5	.5	.5

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	74.9	5.8	6.5	9.8	23.1	25.9	21.2
4	77.9	11.5	24.3	24.9	26.9	33.1	18.9
7	64.5	8.9	13.2	16.4	16.5	38.2	28.6
10	65.7	5.6	8.8	10.9	26.3	21.4	26.3
13	66.7	8.0	16.3	20.4	34.3	13.8	27.4
16	57.1	12.6	19.8	24.2	13.3	12.9	31.9
19	50.9	7.2	5.4	5.4	8.1	20.4	35.3
22	68.2	5.7	9.8	10.5	12.2	26.4	25.3

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.1	3.5	4.2	5.2	6.4	7.4	5.9
4	92.9	4.2	4.2	5.0	6.0	7.4	7.4
7	93.1	3.5	2.7	5.0	6.7	5.2	6.9
10	92.4	2.7	3.7	4.7	7.0	5.2	6.0
13	91.9	2.8	4.0	4.5	4.3	5.8	7.1
16	92.2	2.5	3.5	3.5	4.5	7.7	7.0
19	94.2	2.7	3.7	4.4	6.1	6.6	6.1
22	93.5	3.7	3.4	4.9	7.1	6.7	6.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.9	1.6	2.6	6.7	3.7	.7
4	97.2	2.6	5.7	5.9	4.0	3.8	2.4
7	93.3	.0	.0	1.0	.7	2.0	4.2
10	95.4	.5	.7	.5	1.4	1.0	3.1
13	96.3	1.9	2.4	1.4	1.9	.5	2.2
16	95.9	1.4	1.4	2.2	1.2	2.4	3.4
19	96.8	.0	1.2	.7	.5	5.2	2.4
22	98.2	.7	.2	.5	2.3	3.8	1.4

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.7	.9	.7	.2	3.9	.2
4	99.3	.0	.5	.2	2.1	7.4	.7
7	99.8	.0	.7	2.1	3.9	5.1	.2
10	97.9	1.2	2.1	3.3	7.3	2.8	1.6
13	96.1	3.4	3.4	6.0	4.6	.2	3.6
16	92.6	2.0	3.7	2.7	2.2	.2	6.5
19	94.9	1.5	1.5	2.2	.2	.2	4.6
22	97.2	.2	.0	.2	.5	1.2	2.8

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	1.2	.9	2.6	2.6	4.7	.9
4	97.5	.7	1.7	1.9	3.5	5.7	3.1
7	97.5	.7	1.2	2.6	4.0	4.3	2.6
10	96.5	.7	.5	2.6	5.5	2.9	3.1
13	95.2	3.2	2.9	4.1	4.1	1.0	4.6
16	93.8	3.0	3.9	2.9	2.9	2.9	6.4
19	95.6	1.7	2.9	2.9	.5	2.9	4.3
22	96.3	1.9	1.2	.2	2.4	2.4	3.8

JUNE

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	30.9	71.3	58.9	57.4	66.7	64.3	71.3	80.6	81.4	62.5	48.4
4	29.7	79.0	75.8	75.0	68.5	75.0	80.6	84.6	61.0	46.7	41.0
7	44.1	83.2	79.3	76.1	76.1	79.9	79.2	59.0	39.2	39.8	56.9
10	43.6	87.9	86.2	85.2	85.2	81.2	61.3	39.7	41.9	59.2	56.4
13	55.2	90.0	87.0	84.8	80.0	59.0	39.6	41.0	54.6	52.9	62.6
16	60.9	90.2	86.2	84.2	63.2	42.2	40.6	57.4	55.4	67.7	74.1
19	64.2	87.6	68.5	63.2	40.2	38.6	55.7	52.7	63.6	73.1	77.9
22	45.0	75.4	57.1	52.7	46.2	58.2	54.9	66.8	77.7	83.1	80.7

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	69.1	13.2	18.1	17.4	34.0	34.4	47.9	52.1	56.4	37.2	22.9
4	70.3	15.0	32.9	31.1	33.1	46.8	52.6	55.6	38.2	24.0	24.0
7	55.9	10.7	15.9	18.0	38.6	45.9	52.4	33.9	24.0	20.6	31.3
10	56.4	11.5	20.4	31.9	42.1	51.1	32.3	23.8	19.1	29.8	31.5
13	44.8	22.5	24.1	31.6	44.6	27.8	19.8	14.4	27.8	29.4	42.2
16	39.1	17.8	25.8	33.1	16.6	12.9	11.0	19.6	22.1	31.3	38.7
19	35.8	7.4	12.8	12.8	13.4	12.1	19.5	24.2	35.6	37.6	36.9
22	55.0	5.7	8.3	12.7	15.3	29.7	31.9	42.4	45.9	47.2	32.8

JUNE

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.1	69.2	46.2	46.2	53.8	38.5	16.7
4	3.1	53.8	30.8	76.9	69.2	38.5	30.8
7	4.1	82.4	82.4	82.4	76.5	41.2	29.4
10	8.2	70.6	70.6	64.7	58.8	18.2	27.3
13	14.6	65.6	57.4	44.3	21.3	10.2	28.8
16	12.9	35.2	31.5	24.1	15.1	11.3	39.6
19	6.5	51.9	29.6	30.8	25.9	25.9	22.2
22	2.6	81.8	63.6	45.5	45.5	54.5	18.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	100.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.5	100.0	.0	.0	.0	.0	.0
16	.2	100.0	100.0	100.0	.0	.0	.0
19	.2	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	27.6	73.0	58.3	58.3	66.1	61.7	44.6
4	25.2	80.0	77.1	75.2	65.7	78.1	37.9
7	40.5	84.0	78.1	71.6	68.0	78.0	56.0
10	36.0	86.0	86.6	84.0	84.7	63.8	52.4
13	39.8	93.4	89.8	92.2	85.5	39.3	57.7
16	52.3	95.0	91.7	91.2	67.0	38.6	69.8
19	60.3	88.4	69.3	63.7	38.3	55.6	76.1
22	43.0	74.9	55.7	50.0	42.0	50.0	60.6

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.2	42.3	30.8	26.9	26.9	30.8	8.0
4	6.5	48.1	37.0	40.7	29.6	18.5	3.8
7	7.2	66.7	56.7	50.0	36.7	13.8	20.7
10	10.6	63.6	44.2	38.6	27.3	18.2	11.9
13	11.8	63.3	24.5	28.6	14.3	10.6	19.1
16	12.5	53.8	36.5	23.1	19.2	12.2	20.4
19	7.7	43.8	40.6	34.4	23.3	13.3	20.0
22	6.7	53.6	42.3	34.6	19.2	26.9	19.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	62.5	50.0	37.5	37.5	25.0	28.6
4	2.6	81.8	81.8	54.5	27.3	27.3	40.0
7	4.3	44.4	16.7	27.8	27.8	33.3	17.6
10	1.4	66.7	83.3	66.7	66.7	16.7	.0
13	3.4	71.4	50.0	50.0	28.6	15.4	.0
16	7.4	48.4	38.7	23.3	9.7	6.9	13.8
19	4.1	23.5	11.8	17.6	18.8	12.5	18.8
22	1.4	87.3	60.0	40.0	20.0	20.0	20.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	100.0	20.0	.0	.0	.0	20.0
4	.5	50.0	50.0	.0	.0	.0	.0
7	.5	50.0	.0	.0	.0	.0	.0
10	2.6	72.7	36.4	45.5	9.1	.0	18.2
13	14.9	72.6	41.9	29.0	17.7	.0	29.0
16	14.9	69.4	43.5	19.7	3.2	.0	30.6
19	9.1	52.6	21.1	5.3	.0	.0	18.4
22	1.2	40.0	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.1	58.8	41.2	35.3	35.3	23.5	13.3
4	3.1	53.8	46.2	69.2	30.8	53.8	18.2
7	3.6	60.0	40.0	40.0	33.3	60.0	25.0
10	2.2	66.7	55.6	55.6	66.7	44.4	.0
13	8.4	71.4	51.4	40.0	22.9	18.2	12.1
16	12.9	68.5	48.1	35.8	14.8	5.9	27.5
19	10.6	50.0	29.5	27.3	17.1	14.6	29.3
22	4.3	55.6	56.3	43.8	25.0	18.8	25.0

JUNE

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.9	1.2	1.2	1.7	2.5	13.9	2.5
4	96.9	.7	1.0	1.7	6.2	12.1	1.7
7	95.9	2.5	3.8	5.0	12.0	5.0	2.5
10	91.8	3.9	6.5	10.2	8.9	1.3	5.8
13	85.4	6.5	7.3	7.6	3.9	1.7	11.0
16	87.1	3.3	3.6	3.9	.8	1.4	8.9
19	93.5	2.6	2.3	.8	1.3	2.1	4.7
22	97.4	.7	1.0	1.5	1.5	6.0	1.5

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.2	.2	.2	.5	.2
4	99.8	.0	.0	.0	.0	.2	.2
7	99.8	.0	.0	.0	.5	.2	.2
10	100.0	.2	.2	.5	.2	.0	.0
13	99.5	.2	.2	.2	.2	.2	.5
16	99.8	.0	.0	.0	.0	.2	.0
19	99.8	.0	.0	.0	.2	.2	.0
22	100.0	.0	.0	.2	.2	.0	.0

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	72.4	9.3	12.6	12.6	30.8	31.5	20.9
4	74.8	12.2	28.3	28.8	26.0	43.6	20.3
7	59.5	6.5	10.1	11.7	20.6	48.4	27.8
10	64.0	7.5	10.9	15.0	34.1	31.5	25.1
13	60.2	13.9	19.9	25.9	43.6	19.5	27.5
16	47.7	13.1	21.1	26.6	16.7	9.5	32.7
19	39.7	4.2	9.7	11.6	10.9	14.5	34.5
22	57.0	5.1	7.2	10.5	11.8	23.6	31.2

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.8	4.6	6.9	5.1	5.9	10.5	5.7
4	93.5	2.8	3.6	4.9	9.2	12.1	5.9
7	92.8	4.9	6.7	7.5	9.8	7.2	6.8
10	89.4	4.0	5.9	8.6	10.7	5.4	10.8
13	88.2	8.2	8.7	10.3	6.8	5.2	10.4
16	87.5	4.4	5.8	5.5	4.9	4.9	11.5
19	92.3	2.9	4.4	4.4	4.2	7.3	5.5
22	93.3	1.8	2.8	3.9	4.9	9.8	5.4

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	2.4	2.0	2.0	3.7	2.9	1.5
4	97.4	1.7	4.7	3.0	.7	6.9	2.0
7	95.7	.0	.5	.3	2.3	2.8	3.5
10	98.6	.5	1.5	2.4	6.6	1.2	1.2
13	96.6	3.7	3.5	6.0	3.2	1.5	3.2
16	92.6	1.3	2.8	2.6	.8	2.6	6.8
19	95.9	1.8	2.5	.8	1.3	3.8	3.5
22	98.6	.7	.7	1.5	2.7	1.0	1.2

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.7	.7	.5	.5	15.0	.7
4	99.5	.5	.0	.5	2.7	14.9	.5
7	99.5	.0	.7	2.7	14.9	9.2	.5
10	97.4	3.9	6.2	14.0	15.0	1.2	2.2
13	85.1	7.3	10.7	12.4	7.6	1.1	12.5
16	85.1	5.4	6.8	7.3	.8	.6	12.2
19	90.9	.8	1.1	.8	1.1	.5	8.3
22	98.8	.5	.2	1.0	.5	2.7	1.2

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.9	1.5	2.0	1.7	2.2	7.7	3.8
4	96.9	1.0	1.5	1.5	1.2	11.6	2.2
7	96.4	1.0	1.2	.7	7.5	8.7	3.0
10	97.8	2.0	3.9	7.4	11.8	3.4	2.2
13	91.6	6.3	6.8	10.5	9.4	2.9	7.9
16	87.1	4.4	6.9	6.9	2.8	2.2	10.7
19	89.4	3.5	3.8	1.6	2.7	2.4	8.4
22	95.7	2.3	2.0	2.5	1.8	1.5	3.3

JULY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	29.5	68.0	57.8	49.2	59.4	64.1	70.3	77.3	76.6	61.7	41.4
4	21.4	83.9	87.1	78.5	72.0	79.6	83.9	80.6	61.3	52.7	30.1
7	40.6	86.4	76.1	74.4	76.7	81.3	77.3	53.4	41.5	27.3	52.8
10	42.9	87.6	84.4	86.6	82.8	78.5	52.7	37.1	28.5	51.6	56.5
13	52.5	89.5	86.4	84.2	77.6	52.6	38.6	28.9	52.2	55.3	65.4
16	60.8	90.2	87.5	83.3	53.4	36.0	26.9	51.5	50.0	64.4	73.5
19	61.1	86.8	68.7	58.5	39.6	29.4	54.7	56.2	67.5	77.4	77.7
22	39.2	75.3	62.7	55.9	37.6	57.1	61.8	72.9	82.9	83.5	82.4

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	70.5	6.9	9.2	9.8	32.7	34.0	45.1	53.9	54.6	29.7	24.2
4	78.6	13.2	31.7	30.2	34.9	45.2	54.5	55.7	33.1	22.9	18.8
7	59.4	8.5	16.3	21.3	36.0	46.9	50.0	29.5	20.9	17.1	33.7
10	57.1	12.5	21.4	27.0	44.4	48.0	29.0	23.4	15.7	33.9	35.1
13	47.5	15.6	26.3	35.0	42.7	24.3	18.9	12.6	29.6	32.0	40.8
16	39.2	11.2	23.5	26.5	17.1	18.8	12.4	25.9	35.3	37.1	44.1
19	38.9	7.1	5.3	8.9	13.0	8.3	20.7	25.4	32.0	37.9	37.3
22	60.8	6.4	7.6	12.1	10.6	31.4	33.0	41.3	48.5	48.1	23.9

JULY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	.0	33.3	.0	66.7	.0
4	1.2	60.0	20.0	20.0	20.0	20.0	.0
7	.7	100.0	100.0	33.3	.0	.0	.0
10	2.5	63.6	54.5	45.5	27.3	9.1	36.4
13	5.5	62.5	20.8	37.5	4.2	.0	12.5
16	6.2	29.6	14.8	7.4	3.7	7.4	11.1
19	2.3	40.0	10.0	.0	10.0	.0	10.0
22	1.2	.0	.0	20.0	20.0	20.0	.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	27.6	69.2	61.7	48.3	62.5	67.5	43.3
4	19.4	84.5	89.3	78.6	71.4	79.8	26.2
7	39.2	87.1	76.5	74.1	71.2	77.1	51.8
10	39.9	88.4	84.4	85.0	80.9	52.6	54.3
13	45.4	87.3	86.8	83.2	78.7	40.1	59.4
16	52.3	91.2	90.3	86.3	56.4	27.3	68.3
19	59.2	87.5	68.9	59.1	38.9	54.9	75.9
22	37.8	75.6	62.0	54.9	34.8	61.0	62.2

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	33.3	22.2	22.2	11.1	.0	11.1
4	1.8	37.5	37.5	37.5	25.0	25.0	.0
7	3.0	53.8	30.8	15.4	7.7	.0	15.4
10	3.9	50.0	41.2	17.6	11.8	5.9	11.8
13	6.2	51.9	33.3	11.1	14.8	.0	18.5
16	8.3	50.0	13.9	11.1	11.1	5.6	11.1
19	5.3	47.8	26.1	13.0	.0	4.3	8.7
22	2.1	44.4	37.5	11.1	.0	22.2	11.1

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	25.0	25.0	.0	.0	.0
4	1.2	60.0	40.0	20.0	20.0	20.0	.0
7	1.8	50.0	25.0	12.5	12.5	.0	12.5
10	.5	100.0	100.0	100.0	50.0	.0	.0
13	1.8	25.0	12.5	12.5	.0	.0	12.5
16	3.9	35.3	29.4	5.9	5.9	.0	11.8
19	1.4	66.7	16.7	16.7	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	.0	.0	.0	.0	.0
4	.7	66.7	.0	.0	.0	33.3	.0
7	.5	100.0	.0	.0	.0	.0	.0
10	1.6	100.0	71.4	71.4	57.1	.0	.0
13	15.7	77.9	61.8	50.0	17.6	.0	35.3
16	25.8	72.3	46.4	23.2	4.5	.9	44.6
19	10.6	45.7	34.8	15.2	.0	.0	26.1
22	2.8	50.0	9.1	.0	.0	8.3	8.3

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	50.0	25.0	25.0	25.0	.0
4	.9	75.0	50.0	25.0	25.0	75.0	.0
7	1.6	28.6	28.6	28.6	14.3	14.3	.0
10	2.3	20.0	30.0	40.0	30.0	10.0	.0
13	5.5	50.0	29.2	33.3	20.8	4.2	20.8
16	11.3	51.0	51.0	36.7	8.2	4.1	22.4
19	9.7	57.1	23.8	9.5	2.4	.0	19.0
22	3.2	21.4	15.4	7.1	7.1	14.3	7.1

JULY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	.0	.9	.7	5.1	.7
4	98.8	.0	.0	.5	2.3	6.1	1.2
7	99.3	1.9	3.0	2.3	5.6	2.3	.7
10	97.5	3.8	5.4	4.5	5.7	.9	.7
13	94.5	4.2	5.1	4.4	2.2	.7	5.1
16	93.8	3.7	3.4	2.0	1.0	.7	5.7
19	97.7	.7	.7	1.2	.5	.7	2.4
22	98.8	.5	.5	.5	.9	2.3	1.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	72.4	6.1	8.0	8.3	30.3	36.9	21.7
4	80.6	12.6	29.4	29.7	32.3	45.7	17.7
7	60.8	6.8	13.3	17.8	28.8	47.7	32.6
10	60.1	9.2	13.4	19.2	33.3	28.0	33.0
13	54.6	11.9	19.5	26.6	43.0	17.3	35.0
16	47.7	12.6	23.7	29.5	17.4	10.6	36.7
19	40.8	6.2	4.5	6.8	11.3	18.6	37.3
22	62.2	6.7	8.5	11.1	10.0	29.6	22.2

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.2	1.6	1.4	2.8	6.4	1.9
4	98.2	1.2	1.6	2.3	3.5	8.0	1.6
7	97.0	1.4	2.1	3.6	6.2	5.5	2.4
10	96.1	3.1	7.2	5.8	8.2	1.9	3.1
13	93.8	3.9	7.4	8.1	4.7	2.2	5.4
16	91.7	5.8	6.5	4.8	1.3	1.3	7.8
19	94.7	2.9	2.2	1.5	2.2	2.7	5.1
22	97.9	1.4	1.2	1.9	1.6	3.1	2.1

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.7	.2	.9	1.9	1.9	.7
4	98.9	1.4	3.7	1.6	.2	3.7	.9
7	98.2	.5	.2	.2	1.6	1.4	1.6
10	99.5	.5	.9	1.4	3.7	.2	.5
13	98.2	1.6	2.1	3.8	1.4	.7	1.6
16	96.1	2.4	3.4	1.2	.0	1.0	3.8
19	98.5	.9	1.2	.0	.7	1.9	1.4
22	99.8	.9	.5	.7	.9	.5	.5

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.2	.5	.7	.5	15.7	.2
4	99.3	.0	.2	.5	1.6	25.8	.7
7	99.5	.2	.2	1.6	15.7	10.6	.5
10	98.4	3.8	8.9	14.8	25.3	2.8	1.6
13	84.3	9.6	17.8	21.3	9.3	.3	12.6
16	74.2	4.7	9.0	6.2	2.2	.6	20.5
19	89.4	1.3	2.1	1.3	.3	.5	8.8
22	97.2	.5	.2	.2	.7	1.4	2.6

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.2	.9	.7	1.4	5.3	.7
4	99.1	1.2	1.2	1.4	2.1	10.7	.9
7	98.4	.9	.9	1.9	5.4	9.6	1.9
10	97.7	2.4	3.3	4.7	10.8	3.1	2.4
13	94.5	5.1	6.4	10.0	9.0	.5	4.6
16	88.7	6.5	8.8	6.2	2.6	.5	10.9
19	90.3	3.1	3.6	2.6	.5	1.5	8.9
22	96.8	2.1	1.9	.5	.7	1.9	3.1

AUGUST

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	25.3	75.2	56.0	49.5	59.6	67.0	62.4	79.8	77.1	50.5	39.3
4	21.4	75.0	71.7	65.2	53.3	53.3	66.3	69.6	42.4	31.9	27.5
7	34.9	76.7	69.3	71.3	68.7	78.7	77.3	50.0	39.0	27.4	46.6
10	41.2	84.7	78.0	78.5	79.1	76.8	46.9	34.5	28.2	47.1	58.0
13	47.0	89.6	87.1	84.7	76.7	48.5	37.2	30.2	43.7	54.8	57.8
16	57.7	90.7	84.3	80.2	48.8	33.2	26.2	41.0	49.2	58.6	69.7
19	57.0	80.7	61.5	55.5	34.9	27.8	44.0	49.0	56.4	71.4	72.6
22	35.6	78.4	58.7	48.7	29.3	51.3	54.0	62.7	74.7	73.3	50.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	74.7	8.4	9.7	11.8	26.5	32.4	47.7	50.2	50.2	30.5	20.7
4	78.6	9.5	24.0	26.6	37.9	45.3	55.3	53.6	33.7	23.6	20.6
7	65.1	8.2	15.4	25.0	35.4	46.4	46.1	27.9	18.2	19.3	27.5
10	58.8	13.4	18.6	24.9	42.7	43.1	27.7	19.0	17.9	25.0	27.4
13	53.0	18.0	28.5	33.8	39.5	24.1	15.0	15.0	25.6	26.9	36.1
16	42.3	12.1	20.9	25.3	17.6	14.8	16.5	24.7	27.5	29.7	37.4
19	43.0	4.3	8.1	9.2	13.0	14.6	21.1	28.1	33.0	35.7	34.6
22	64.4	7.6	10.9	12.7	18.1	24.6	32.2	37.3	45.7	46.7	28.6

AUGUST

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	33.3	33.3	.0	66.7	.0
4	.5	100.0	50.0	50.0	100.0	100.0	.0
7	1.4	33.3	33.3	33.3	50.0	.0	.0
10	4.2	55.6	44.4	61.1	16.7	11.1	11.1
13	6.7	41.4	41.4	20.7	6.9	3.6	17.9
16	6.3	33.3	18.5	3.7	7.4	3.7	14.8
19	1.6	42.9	28.6	14.3	.0	.0	.0
22	1.6	28.6	14.3	.0	.0	14.3	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES .1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	24.0	77.7	58.3	49.5	62.1	57.3	36.6
4	18.4	74.7	70.9	72.2	57.0	64.6	25.6
7	34.0	75.3	68.5	68.5	63.0	77.4	45.8
10	36.3	84.6	75.6	76.9	76.9	47.4	54.2
13	40.0	90.6	87.2	84.9	77.9	36.7	53.8
16	51.4	91.9	88.7	83.3	50.2	24.9	66.8
19	55.8	80.8	59.4	56.3	33.5	43.6	72.5
22	34.9	78.0	58.5	48.3	28.6	48.3	50.3

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.5	33.3	20.0	20.0	13.3	6.7	.0
4	2.1	33.3	22.2	22.2	11.1	22.2	11.1
7	2.8	50.0	50.0	25.0	16.7	16.7	.0
10	5.1	54.5	22.7	13.6	13.6	.0	13.6
13	7.4	46.9	31.3	25.0	3.1	9.7	16.1
16	8.8	34.2	15.8	13.2	5.3	2.8	22.2
19	3.0	53.8	38.5	38.5	7.7	15.4	15.4
22	2.1	55.6	44.4	11.1	11.1	11.1	.0

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	20.0	20.0	20.0	20.0	.0	.0
4	3.0	61.5	61.5	15.4	.0	.0	15.4
7	2.8	50.0	25.0	8.3	8.3	.0	8.3
10	.5	50.0	50.0	50.0	50.0	.0	.0
13	1.6	28.6	42.9	14.3	.0	.0	.0
16	3.7	37.5	18.8	18.8	6.3	.0	7.1
19	1.4	50.0	33.3	16.7	.0	.0	.0
22	.5	100.0	50.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	33.3	16.7	.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	2.6	90.9	72.7	63.6	18.2	.0	30.0
13	12.8	74.5	56.4	34.5	3.6	1.9	22.2
16	17.7	67.1	39.5	10.5	1.3	1.3	30.7
19	5.1	50.0	22.7	9.1	4.5	4.5	13.6
22	1.4	50.0	33.3	16.7	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	50.0	20.0	30.0	20.0	10.0	.0
4	1.2	20.0	20.0	40.0	.0	40.0	.0
7	1.4	33.3	33.3	16.7	.0	.0	16.7
10	1.9	25.0	25.0	25.0	12.5	12.5	.0
13	5.6	54.2	41.7	37.5	12.5	4.2	4.2
16	12.3	54.7	45.3	28.3	5.7	3.9	21.6
19	7.0	53.3	20.0	20.0	3.3	3.3	23.3
22	2.1	33.3	37.5	12.5	.0	.0	12.5

AUGUST

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.7	.7	.2	1.4	6.3	.7
4	99.5	.0	.0	1.2	3.7	5.8	.2
7	98.6	2.6	3.3	3.8	6.1	1.7	1.2
10	95.8	2.4	3.6	4.4	5.8	1.2	3.9
13	93.3	4.0	7.0	5.2	1.2	.5	6.3
16	93.7	2.2	2.5	1.5	1.2	.0	5.0
19	98.4	2.4	1.9	1.4	.7	1.2	1.4
22	98.4	.2	.7	.7	.2	4.1	1.4

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	76.0	5.8	7.6	8.6	25.1	34.6	20.0
4	81.6	7.7	20.3	25.4	31.6	48.4	17.0
7	66.0	6.3	13.4	19.7	28.2	44.7	26.8
10	63.7	10.2	14.2	19.0	36.9	27.7	24.2
13	60.0	12.0	22.1	29.1	41.1	15.6	29.6
16	48.6	12.9	20.6	26.8	18.7	12.0	32.1
19	44.2	3.7	6.3	7.9	12.1	20.0	33.2
22	65.1	6.8	10.1	11.1	13.3	28.0	28.3

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.5	1.0	1.4	1.4	2.4	7.5	3.2
4	97.9	1.0	1.2	2.4	5.0	8.6	2.4
7	97.2	1.7	2.2	4.5	7.2	2.6	2.2
10	94.9	5.9	6.4	7.1	8.6	2.2	4.5
13	92.6	3.3	6.3	7.5	3.0	2.5	7.1
16	91.2	2.3	3.1	2.0	1.8	2.6	7.4
19	97.0	1.2	1.4	1.0	2.9	1.7	2.9
22	97.9	2.1	2.4	2.9	2.4	4.8	2.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	1.2	1.4	2.8	2.6	1.6	.9
4	97.0	1.4	3.8	2.4	.5	3.8	2.4
7	97.2	.0	.0	.2	1.4	1.4	2.2
10	99.5	.9	.7	1.4	3.5	.5	.5
13	98.4	2.4	4.0	3.5	1.4	1.0	1.7
16	96.3	2.9	1.7	.7	.2	2.9	3.4
19	98.6	.5	.5	.2	1.0	2.4	1.4
22	99.5	.7	.5	.9	2.8	.5	.5

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.2	.2	.2	.2	13.0	1.4
4	99.8	.0	.0	.2	2.6	17.7	.2
7	99.8	.0	.0	2.6	12.8	5.1	.5
10	97.4	4.5	8.8	11.5	17.7	1.4	1.9
13	87.2	8.0	13.9	15.2	5.3	1.3	11.3
16	82.3	5.6	6.8	4.0	1.4	.0	13.1
19	94.9	1.0	1.0	1.0	1.2	.2	4.7
22	98.6	.2	1.0	1.2	.2	2.6	1.4

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.7	.2	.5	1.0	5.5	2.2
4	98.8	.9	.5	.9	1.9	12.0	1.0
7	98.6	.9	.9	1.7	5.7	7.1	1.2
10	98.1	3.1	3.8	5.2	12.3	1.9	2.1
13	94.4	5.4	9.1	10.8	6.7	2.0	5.7
16	87.7	5.3	5.6	4.0	1.6	.5	10.4
19	93.0	3.5	1.0	.8	2.0	1.3	5.8
22	97.9	1.2	1.7	1.9	1.0	2.2	2.2

SEPTEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	38.3	76.1	62.3	58.5	72.3	66.0	73.6	78.6	78.6	63.5	54.1
4	31.1	79.8	81.4	82.9	75.2	80.6	78.3	74.4	65.1	57.1	44 4
7	48.2	88.0	81.0	72.5	77.0	75.0	73.5	62.0	49.0	38.8	58.2
10	48.0	85.9	84.9	87.4	82.4	80.4	64.3	53.3	43.6	61.0	61.5
13	59.0	88.6	85.7	82.4	74.7	62.4	49.0	41.5	58.9	58.1	68.9
16	60.7	90.8	86.9	83.7	66.3	50.2	40.9	61.1	60.7	71.3	71.3
19	58.6	84.8	80.7	72.4	54.2	42.4	64.3	66.0	74.4	76.1	73.5
22	46.7	83.5	73.7	63.2	48.4	68.9	70.5	78.4	82.1	80.0	65.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	61.7	9.0	11.7	14.1	33.2	36.7	50.0	49.6	46.1	36.3	28.1
4	68.9	7.3	24.5	32.5	35.7	49.3	52.8	51.4	38.5	29.6	23.9
7	51.8	14.4	18.7	25.1	42.3	47.4	44.7	32.6	28.0	22.4	38.3
10	52.0	19.9	25.9	32.9	40.7	38.4	30.6	24.2	18.1	35.8	35.8
13	41.0	14.7	21.8	29.4	35.3	24.1	22.5	14.2	32.0	33.7	45.6
16	39.3	11.7	16.0	19.6	16.6	19.6	14.1	27.6	28.8	41.1	46.6
19	41.4	7.0	11.6	10.5	15.7	13.4	25.0	23.3	38.4	41.3	39.0
22	53.3	9.5	10.9	16.4	14.5	29.5	28.6	42.7	43.6	40.9	29.5

SEPTEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.7	78.1	71.9	59.4	56.3	62.5	33.3
4	5.8	70.8	66.7	66.7	79.2	62.5	28.6
7	6.0	88.0	88.0	80.0	80.0	52.0	47.8
10	10.8	86.7	77.8	73.3	57.8	44.4	37.2
13	17.1	67.6	56.3	53.5	38.0	30.4	42.0
16	14.0	67.2	58.6	50.0	51.7	26.8	33.9
19	10.8	64.4	75.6	62.2	47.6	38.1	35.7
22	10.1	78.6	76.9	61.5	41.0	56.4	41.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	32.5	76.3	62.2	59.3	74.1	72.6	49.6
4	26.0	78.7	81.5	84.3	76.1	76.9	41.0
7	41.7	87.9	79.2	72.3	74.0	74.0	53.8
10	40.7	85.8	84.0	86.4	61.1	64.5	57.6
13	47.5	87.8	88.3	84.8	78.2	48.7	62.2
16	52.3	93.5	90.3	86.2	67.7	38.7	65.1
19	52.3	85.3	80.6	72.8	51.6	61.0	71.4
22	41.4	82.6	71.6	60.9	46.7	65.7	62.7

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	8.0	54.5	45.5	42.4	36.4	27.3	9.4
4	7.5	64.5	41.9	35.5	16.1	19.4	6.9
7	8.2	64.7	50.0	32.4	44.1	20.6	22.6
10	8.2	52.9	35.3	32.4	20.6	20.6	9.1
13	10.8	46.7	31.1	35.6	20.0	16.3	25.6
16	9.9	57.5	36.6	29.3	19.5	16.2	16.2
19	9.4	61.5	38.5	38.5	27.8	27.8	13.9
22	8.7	55.6	48.5	36.4	30.3	15.2	15.2

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	75.0	62.5	50.0	37.5	12.5	.0
4	3.6	60.0	53.3	33.3	20.0	20.0	15.4
7	6.0	60.0	40.0	24.0	24.0	12.0	28.0
10	2.7	81.8	63.6	45.5	27.3	18.2	10.0
13	2.9	83.3	58.3	58.3	41.7	22.2	11.1
16	4.6	66.7	42.1	31.6	26.3	18.8	18.8
19	2.7	45.5	36.4	36.4	11.1	33.3	33.3
22	2.9	50.0	30.0	20.0	40.0	10.0	20.0

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	37.5	12.5	12.5	12.5	.0	.0
4	.7	100.0	.0	.0	33.3	33.3	.0
7	1.2	60.0	40.0	20.0	.0	.0	20.0
10	3.4	42.9	.0	.0	7.1	.0	21.4
13	4.6	78.9	42.1	15.8	15.8	.0	10.5
16	8.7	71.4	52.8	36.1	8.3	.0	25.0
19	7.5	58.1	35.5	22.6	12.9	3.2	22.6
22	2.4	60.0	50.0	30.0	.0	.0	.0

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	60.0	20.0	35.0	20.0	30.0	15.0
4	6.3	69.2	34.6	23.1	30.8	19.2	8.7
7	4.6	84.2	68.4	73.7	57.9	36.8	11.8
10	6.5	66.7	66.7	48.1	40.7	18.5	16.7
13	9.9	51.2	39.0	36.6	29.3	15.4	20.5
16	11.8	47.9	36.7	32.7	18.4	19.1	19.1
19	9.2	57.9	47.4	31.6	8.3	19.4	19.4
22	8.0	63.6	38.7	32.3	25.8	16.1	12.9

SEPTEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.3	1.3	1.6	1.3	1.8	13.3	5.5
4	94.2	1.8	2.8	2.3	6.6	11.0	4.4
7	94.0	4.4	5.9	6.4	13.1	8.2	3.6
10	89.2	6.8	7.8	10.3	8.6	5.9	7.6
13	82.9	5.2	6.1	5.8	5.2	2.9	11.7
16	86.0	3.4	3.6	4.5	3.4	2.3	11.9
19	89.2	3.2	5.4	3.8	3.0	2.4	8.2
22	89.9	1.3	1.1	1.9	1.9	5.9	7.3

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	67.5	7.1	7.5	10.0	26.1	35.4	23.5
4	74.0	4.2	18.6	26.7	29.3	43.6	20.0
7	58.3	9.9	14.1	18.2	28.5	36.8	32.8
10	59.3	13.4	14.6	20.7	32.5	25.6	30.2
13	52.5	9.2	15.1	22.9	28.9	17.1	35.5
16	47.7	9.6	13.6	15.2	12.6	11.1	39.4
19	47.7	5.1	5.6	7.1	10.7	20.3	32.0
22	58.6	8.2	8.3	11.6	10.4	24.1	25.3

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.0	4.2	4.5	4.5	5.8	9.4	7.4
4	92.5	3.6	4.2	6.0	7.6	9.1	6.6
7	91.8	3.9	5.5	6.0	7.9	8.4	6.1
10	91.8	3.9	7.1	8.9	8.9	7.6	8.0
13	89.2	6.2	6.5	6.8	8.1	6.5	9.0
16	90.1	3.2	7.0	7.2	7.5	5.6	9.4
19	90.6	5.3	6.9	5.6	5.6	5.3	9.1
22	91.3	2.6	5.0	5.0	4.5	7.4	8.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	2.0	.5	2.7	5.4	2.7	2.0
4	96.4	3.2	6.0	5.0	2.0	4.0	3.0
7	94.0	1.3	2.1	1.3	1.5	2.1	4.4
10	97.3	1.2	1.0	1.7	4.0	2.5	2.2
13	97.1	3.0	1.7	3.0	1.5	1.5	2.5
16	95.4	1.3	2.0	1.3	1.8	2.8	3.8
19	97.3	1.2	1.2	2.0	1.7	5.2	2.2
22	97.1	1.0	.5	1.5	2.5	2.2	2.2

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	.2	.2	.5	1.0	4.7	2.0
4	99.3	.5	.7	1.2	3.2	8.5	.7
7	98.8	.5	2.7	3.2	4.6	7.6	.7
10	96.6	.7	3.5	4.7	8.7	2.5	2.8
13	95.4	4.8	6.3	8.3	7.1	2.0	4.3
16	91.3	.8	3.4	4.7	1.8	.8	7.8
19	92.5	1.0	.8	.8	1.1	.8	6.9
22	97.6	.5	.5	1.3	.8	3.5	2.5

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	4.6	3.5	4.8	3.8	8.9	4.6
4	93.7	3.9	3.3	3.3	4.9	11.3	5.9
7	95.4	1.8	4.6	3.3	7.6	7.8	3.8
10	93.5	3.9	3.9	7.2	9.8	7.2	5.4
13	90.1	5.6	4.5	9.1	7.0	4.0	8.6
16	88.2	4.9	8.2	6.0	6.6	4.4	11.0
19	90.8	3.4	4.8	5.6	4.8	2.7	8.3
22	92.0	3.1	2.4	2.9	4.5	5.3	7.4

OCTOBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	40.3	83.8	76.3	68.8	74.6	70.5	76.3	71.1	67.1	57.2	55.6
4	40.1	80.8	80.2	80.2	73.3	77.9	71.9	69.2	58.1	58.2	56.5
7	51.3	83.2	78.2	76.4	76.8	73.5	68.6	55.0	53.9	53.0	64.1
10	50.6	90.8	88.0	88.5	79.2	72.8	59.0	55.9	56.8	68.1	65.3
13	56.2	88.4	84.6	80.0	72.6	58.5	54.9	52.7	65.4	63.7	69.6
16	53.5	87.8	80.3	79.6	62.4	58.2	54.7	66.2	64.9	70.7	65.8
19	49.9	85.0	73.8	70.6	61.4	59.0	69.5	65.2	70.0	67.6	63.8
22	42.2	84.5	72.7	68.8	64.8	72.2	69.3	73.3	72.7	67.0	55.1

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	59.7	12.9	21.1	20.7	35.5	37.1	42.6	41.6	38.3	32.0	30.4
4	59.9	12.8	21.4	31.9	35.4	41.6	41.2	37.0	31.5	28.7	30.7
7	48.7	12.9	16.7	23.4	34.4	32.5	30.1	28.7	26.6	28.5	40.6
10	49.4	9.9	19.4	23.1	27.4	26.4	25.0	25.1	25.1	37.0	36.5
13	43.8	10.1	17.6	19.7	20.7	21.3	22.5	26.2	36.4	34.8	40.1
16	46.5	14.1	19.1	17.1	19.1	20.7	25.3	36.9	34.8	40.4	38.1
19	50.1	11.2	13.0	14.0	20.1	23.4	36.0	36.9	43.5	38.5	35.5
22	57.8	10.5	13.3	20.6	24.2	38.7	37.9	44.8	38.9	37.1	32.3

OCTOBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	12.6	70.4	72.2	64.8	68.5	70.4	44.4
4	11.0	72.3	72.3	78.7	78.7	66.0	38.3
7	14.5	83.9	87.1	75.8	79.0	56.5	40.3
10	20.0	81.4	83.7	82.6	69.4	51.2	54.1
13	23.5	82.2	72.3	65.0	53.5	40.6	45.5
16	20.1	74.4	61.6	60.5	57.0	41.9	50.0
19	15.6	86.6	80.6	77.6	64.2	55.2	37.3
22	17.0	75.3	64.8	63.4	56.3	59.2	40.8

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	50.0	25.0	25.0	25.0	.0
4	.9	100.0	100.0	100.0	75.0	50.0	25.0
7	1.6	85.7	85.7	71.4	71.4	42.9	14.3
10	1.4	100.0	100.0	100.0	66.7	.0	.0
13	1.6	100.0	100.0	71.4	57.1	14.3	14.3
16	1.2	80.0	80.0	80.0	20.0	20.0	20.0
19	1.4	66.7	66.7	50.0	50.0	16.7	16.7
22	.9	100.0	100.0	100.0	25.0	25.0	.0

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	26.1	86.6	77.7	67.0	71.4	69.6	47.3
4	27.0	81.9	81.0	81.9	68.1	64.3	44.7
7	41.3	81.4	75.7	71.8	70.6	65.5	57.5
10	37.5	87.0	80.1	82.0	75.8	50.9	51.9
13	39.4	87.6	82.8	80.4	70.4	46.7	53.9
16	42.1	88.3	83.9	78.3	56.1	44.3	58.0
19	40.3	80.3	66.5	64.2	50.9	62.1	56.2
22	31.7	78.7	66.7	61.4	55.3	59.8	46.2

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	10.5	53.3	51.1	51.1	31.1	24.4	25.6
4	14.5	59.7	43.5	29.0	22.6	21.3	20.0
7	8.9	60.5	42.1	39.5	39.5	21.1	33.3
10	11.2	47.9	47.9	43.8	27.1	12.5	21.7
13	12.4	66.0	54.7	39.6	22.6	18.9	20.8
16	8.9	57.9	47.4	31.6	23.7	47.2	22.2
19	8.2	60.0	37.1	25.7	27.3	21.2	12.1
22	6.5	60.7	50.0	46.4	39.3	39.3	21.4

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.5	60.0	53.3	33.3	40.0	.0	7.1
4	4.2	72.2	66.7	38.9	5.6	11.1	11.1
7	5.4	52.2	30.4	34.8	13.0	8.7	18.2
10	3.0	53.8	46.2	23.1	30.8	7.7	16.7
13	1.6	57.1	42.9	42.9	28.6	16.7	.0
16	2.6	54.5	45.5	27.3	9.1	20.0	10.0
19	1.9	75.0	62.5	25.0	28.6	14.3	.0
22	1.2	60.0	40.0	80.0	20.0	40.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	.0	.0	33.3	.0	.0
4	.5	50.0	.0	.0	.0	.0	.0
7	.5	100.0	50.0	.0	.0	.0	.0
10	.5	50.0	100.0	50.0	50.0	50.0	.0
13	2.1	55.6	55.6	33.3	11.1	11.1	.0
16	2.3	50.0	30.0	20.0	10.0	.0	.0
19	2.6	54.5	9.1	.0	9.1	.0	.0
22	.5	100.0	50.0	50.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.8	24.0	28.0	20.0	28.0	12.0	4.2
4	4.9	47.6	38.1	33.3	23.8	42.9	9.5
7	5.1	54.5	63.6	50.0	22.7	31.8	4.8
10	5.6	41.7	29.2	25.0	45.8	12.5	13.0
13	5.6	54.2	62.5	45.8	25.0	16.7	4.2
16	8.9	65.8	42.1	31.6	23.7	16.7	16.7
19	7.0	60.0	40.0	23.3	33.3	11.1	18.5
22	5.1	59.1	42.9	52.4	23.8	28.6	9.5

OCTOBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	87.4	2.4	2.9	3.2	6.7	16.8	8.4
4	89.0	4.2	5.5	6.5	12.8	14.4	8.0
7	85.5	4.9	7.9	0.6	14.2	8.7	9.9
10	80.0	5.0	7.0	8.7	7.9	8.5	10.9
13	76.5	4.9	5.2	6.4	4.0	4.3	16.7
16	79.9	2.9	3.5	4.4	7.0	3.6	11.3
19	84.4	5.2	5.0	5.8	3.4	6.7	11.2
22	83.0	3.7	3.1	2.8	2.3	11.6	11.6

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.0	.7	.7	1.4	1.4	1.0
4	99.1	.2	.5	.7	.7	.7	.7
7	98.4	.0	.0	.2	.5	.7	1.4
10	98.6	.0	.2	.2	.2	.9	1.4
13	98.4	.0	.0	.0	.5	.7	1.7
16	98.8	.5	.7	.5	.7	.7	1.2
19	98.6	.2	.2	.2	.2	1.4	1.4
22	99.1	.0	.0	.0	.7	1.2	1.2

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	73.9	9.5	14.8	12.9	30.6	28.7	18.8
4	73.0	6.4	17.6	26.2	26.2	33.9	21.3
7	58.7	7.9	9.9	13.5	17.5	22.6	31.6
10	62.5	8.6	12.7	13.8	21.7	20.1	29.7
13	60.6	6.2	13.8	17.3	20.8	13.1	31.3
16	57.9	12.9	15.7	12.9	14.1	15.4	29.7
19	59.7	6.3	7.8	9.8	9.8	29.0	29.4
22	69.3	7.2	7.5	10.3	15.1	28.1	24.0

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	89.5	6.5	8.1	10.2	6.3	10.9	9.7
4	85.5	3.0	4.6	5.4	9.3	6.8	14.0
7	91.1	5.4	7.7	8.4	9.7	6.9	7.7
10	88.8	4.5	6.1	8.4	6.6	5.8	10.6
13	87.6	4.0	5.6	4.5	6.1	10.2	10.8
16	91.1	4.1	5.6	5.9	4.9	11.6	7.8
19	91.8	5.8	6.6	4.8	10.0	9.0	7.2
22	93.5	3.7	7.8	8.8	13.1	9.8	4.8

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.5	2.7	2.4	3.1	4.1	1.7	3.7
4	95.8	2.9	2.2	3.9	2.9	2.2	4.4
7	94.6	1.5	1.2	1.2	1.0	1.5	5.2
10	97.0	.2	.2	1.0	1.7	1.0	2.7
13	98.4	1.7	1.9	1.9	1.4	3.6	1.7
16	97.4	1.9	1.9	1.2	1.0	4.4	2.4
19	98.1	1.0	.7	.7	3.4	5.8	1.7
22	98.8	.5	1.2	2.9	4.5	2.6	1.4

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	1.2	.5	.2	2.1	.7
4	99.5	.2	.2	.5	.5	2.3	.5
7	99.5	.0	.5	.5	2.1	2.6	.5
10	99.5	1.2	1.6	1.9	2.1	.2	.5
13	97.9	.7	1.9	1.7	2.4	.5	1.9
16	97.7	1.4	2.4	2.2	.2	.5	1.9
19	97.4	.2	.5	.5	.5	.5	1.9
22	99.5	.5	.5	.5	.5	.5	.5

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.2	2.5	3.5	4.0	3.7	5.2	6.3
4	95.1	2.2	3.2	3.7	4.7	7.1	4.7
7	94.9	2.7	3.2	3.2	4.7	5.7	5.2
10	94.4	2.7	3.2	4.4	6.7	4.7	5.2
13	94.4	4.0	4.0	6.7	5.9	5.5	5.7
16	91.1	3.1	4.6	4.6	3.3	3.9	7.8
19	93.0	4.3	2.0	3.8	4.3	4.8	5.8
22	94.9	2.7	2.5	3.7	4.0	4.5	5.0

NOVEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	37.4	84.1	76.4	72.6	75.2	71.3	68.8	62.4	51.0	40.8	47.8
4	42.4	86.0	82.0	80.3	66.9	65.7	58.4	48.9	44.4	43.8	48.3
7	52.5	79.1	73.6	69.5	64.1	57.3	50.9	45.5	44.5	45.5	56.8
10	47.0	84.3	83.1	77.2	67.0	58.9	48.7	49.2	53.3	59.4	56.9
13	48.1	87.6	79.7	73.8	60.9	50.5	50.5	54.5	59.4	57.9	54.0
16	44.8	92.0	81.4	75.5	59.0	53.7	55.9	60.1	58.0	61.2	56.9
19	41.7	80.6	75.3	70.3	56.6	58.9	60.6	59.4	59.4	58.9	53.1
22	37.1	79.5	71.8	66.0	63.5	65.4	60.9	64.7	60.9	53.8	44.9

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	62.6	10.6	18.3	24.3	38.9	32.4	35.7	34.2	36.1	35.0	30.8
4	57.6	8.3	16.9	32.0	32.4	35.1	34.7	36.4	31.8	32.2	37.2
7	47.5	11.6	22.6	22.2	30.7	31.2	31.7	28.1	29.1	38.2	45.5
10	53.0	12.6	18.0	22.5	25.2	26.6	27.0	26.6	32.0	44.8	38.0
13	51.9	12.8	15.6	17.9	23.9	24.8	24.8	30.3	44.2	36.4	41.7
16	55.2	9.5	15.5	14.2	19.4	23.7	30.6	44.6	37.7	36.6	36.2
19	58.3	6.5	11.8	13.5	23.3	29.8	45.1	37.7	39.2	35.9	33.1
22	62.9	9.1	13.4	20.1	29.2	43.3	38.4	37.5	36.4	34.1	33.0

NOVEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.1	76.7	60.0	50.0	56.7	56.7	30.0
4	5.5	82.6	78.3	65.2	82.6	52.2	34.8
7	7.6	81.3	90.6	84.4	65.6	46.9	31.3
10	13.6	78.9	75.0	66.7	43.9	22.8	33.3
13	14.5	80.3	73.8	44.3	27.9	24.6	29.5
16	9.5	65.0	60.0	52.5	35.0	22.5	25.0
19	6.4	74.1	69.2	63 0	48.1	48.1	37.0
22	7.1	70.0	56.7	50.0	43.3	66.7	26.7

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.3	92.9	85.7	85.7	78.6	57.1	21.4
4	3.1	100.0	100.0	92.3	92.3	46.2	23.1
7	3.6	93.3	86.7	86.7	66.7	40.0	20.0
10	3.6	93.3	85.7	73.3	60.0	26.7	26.7
13	4.0	100.0	82.4	88.2	76.5	47.1	47.1
16	4.3	94.4	88.9	88.9	72.2	44.4	38.9
19	5.2	95.5	85.7	77.3	50.0	40.9	22.7
22	4.0	88.2	64.7	64.7	58.8	58.8	17.6

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	26.4	82.9	73.0	73.9	64.0	51.4	36.0
4	31.0	77.7	74.6	68.5	59.2	50.8	40.8
7	37.5	81.5	75.2	68.8	61.8	47.8	47.8
10	35.3	79.7	76.4	70.9	62.8	45.9	43.9
13	33.6	88.7	82.3	73.8	62.4	44.7	41.8
16	34.5	91.7	80.7	70.3	53.8	48.3	46.2
19	32.4	75.7	70.6	62.5	47.1	49.3	44.1
22	27.6	78.4	68.1	60.3	59.5	50.0	37.9

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	14.5	72.1	62.3	57.4	41.0	34.4	23.0
4	14.3	83.3	66.7	53.3	33.3	30.0	25.0
7	16.2	64.7	55.9	50.0	39.7	22.1	26.5
10	11.9	62.0	58.0	48.0	42.0	16.0	26.0
13	12.4	55.8	48.1	40.4	30.8	25.0	25.0
16	10.7	60.0	48.9	44.4	26.7	46.7	28.9
19	8.6	69.4	58.3	52.8	52.8	44.4	27.8
22	7.6	87.5	75.0	62.5	50.0	37.5	21.9

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	80.0	52.0	48.0	32.0	4.0	16.0
4	9.5	85.0	67.5	52.5	10.0	7.5	20.0
7	13.1	47.3	27.3	14.5	1.8	5.5	20.0
10	2.6	63.6	18.2	18.2	27.3	9.1	9.1
13	1.4	50.0	66.7	16.7	16.7	16.7	.0
16	1.4	100.0	66.7	66.7	.0	33.3	16.7
19	1.7	57.1	42.9	.0	42.9	28.6	14.3
22	2.1	66.7	66.7	55.6	44.4	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	2	24
1	.2	.0	.0	100.0	100.0	.0	.0
4	.2	100.0	100.0	100.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	100.0	100.0	.0	.0
16	.5	100.0	100.0	100.0	100.0	.0	.0
19	.5	100.0	100.0	100.0	.0	.0	.0
22	.7	100.0	33.3	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.5	69.6	47.8	39.1	13.0	13.0	8.7
4	4.0	41.2	23.5	11.8	17.6	11.8	5.9
7	4.1	41.2	17.6	5.9	11.8	17.6	5.9
10	4.1	29.4	35.3	23.5	23.5	5.9	.0
13	2.4	40.0	50.0	40.0	40.0	10.0	.0
16	2.9	75.0	75.0	66.7	16.7	16.7	16.7
19	4.5	47.4	31.6	21.1	15.8	10.5	10.5
22	2.9	66.7	25.0	33.3	16.7	16.7	.0

NOVEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.9	.5	1.5	2.1	3.9	11.3	5.1
4	94.5	2.8	3.3	4.3	9.6	7.1	4.0
7	92.4	2.8	5.7	7.8	10.3	3.1	5.7
10	86.4	4.4	5.0	6.4	4.1	4.7	11.1
13	85.5	3.6	3.1	3.6	2.8	3.9	12.3
16	90.5	1.3	1.3	1.6	4.2	3.9	8.4
19	93.6	1.5	2.8	3.3	4.1	4.8	4.6
22	92.9	2.3	2.3	3.6	2.8	10.0	5.9

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.7	.2	.2	.2	1.0	2.2	2.7
4	96.9	.2	.2	.7	.7	2.9	2.5
7	96.4	.2	.5	.5	1.7	4.0	3.0
10	96.4	.2	.7	1.5	2.2	3.2	2.7
13	96.0	.7	.7	.7	2.2	1.5	2.0
16	95.7	.2	1.0	1.5	1.0	1.2	2.5
19	94.8	.0	.0	.0	.8	1.5	4.0
22	96.0	.0	.3	.7	.7	1.2	3.2

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	73.6	9.1	13.6	15.5	27.9	27.2	22.7
4	69.0	4.5	10.7	23.5	24.6	27.2	25.9
7	62.5	8.0	16.0	15.3	16.8	23.3	29.5
10	64.7	8.1	10.8	13.3	19.2	17.7	29.6
13	60.4	8.6	11.1	14.7	17.2	16.8	28.0
16	65.5	8.7	12.7	12.4	13.8	21.1	28.4
19	72.6	4.6	8.8	10.9	16.2	30.4	26.4
22	72.4	7.2	9.6	13.2	19.4	28.7	24.0

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	85.5	2.8	4.5	7.0	12.0	8.6	12.8
4	85.7	3.1	6.7	10.0	8.4	7.5	12.2
7	83.8	4.8	7.1	4.6	7.1	6.0	13.4
10	88.1	4.6	6.3	7.6	6.5	6.5	9.8
13	87.6	6.5	5.4	6.5	5.4	12.8	10.3
16	89.3	2.1	5.1	4.3	5.3	10.1	8.5
19	91.4	2.9	4.7	3.4	10.7	12.8	7.3
22	92.4	3.1	7.5	10.3	11.1	9.6	7.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	2.3	5.6	7.1	11.9	1.3	5.3
4	90.5	2.6	3.9	9.0	1.8	.8	8.2
7	86.9	1.4	1.6	.8	1.4	1.1	12.1
10	97.4	.2	.7	1.0	.7	2.0	2.5
13	98.6	1.2	1.2	1.2	1.4	5.8	1.4
16	98.6	1.0	1.4	.7	2.2	8.9	1.4
19	98.3	.5	1.0	2.2	5.3	12.9	1.7
22	97.9	.7	2.2	4.9	8.5	2.7	2.2

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.0	.2	.2
4	99.8	.0	.0	.0	.0	.5	.2
7	99.8	.0	.0	.0	.2	.5	.2
10	100.0	.0	.0	.2	.5	.7	.0
13	99.8	.0	.2	.2	.2	.2	.2
16	99.5	.2	.2	.0	.2	.2	.5
19	99.5	.0	.0	.2	.2	.2	.5
22	99.3	.0	.2	.2	.2	.0	.7

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.5	2.0	3.0	2.0	3.5	1.8	4.8
4	96.0	2.7	2.7	3.7	3.5	2.5	4.0
7	95.9	3.5	2.2	4.0	2.0	4.0	4.0
10	95.9	.7	1.3	1.5	2.0	2.7	4.5
13	97.6	2.7	3.4	2.0	3.7	4.9	2.4
16	97.1	2.7	3.7	2.7	2.5	3.7	2.7
19	95.5	1.5	1.0	2.0	4.5	3.8	4.5
22	97.1	2.9	3.0	4.2	3.7	3.9	3.2

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	36.9	81.9	73.7	68.8	71.2	63.1	61.9	60.6	53.7	51.9	47.5
4	37.8	81.1	78.0	81.1	64.0	64.6	60.4	51.8	53.7	47.0	49.4
7	52.2	83.6	73.5	68.6	61.1	55.8	49.1	47.8	39.8	45.1	61.1
10	47.0	87.3	78.9	77.9	68.1	56.4	53.4	42.6	45.1	58.8	53.4
13	46.8	83.3	77.8	75.4	61.6	57.6	46.8	45.8	60.6	56.2	52.7
16	46.1	86.5	78.0	68.5	65.5	54.0	50.0	63.0	60.0	59.0	55.0
19	39.2	82.9	78.8	77.6	62.9	56.5	68.8	65.9	62.4	57.6	50.0
22	39.4	80.1	73.7	66.7	30.2	70.2	62.0	62.0	58.5	53.8	49.7

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	63.1	13.1	18.6	19.7	41.0	37.6	38.0	37.6	30.7	32.1	31.4
4	62.2	15.6	20.8	34.6	36.7	35.9	37.4	31.5	30.7	31.5	31.1
7	47.8	15.5	16.9	23.7	31.4	35.7	28.5	30.4	34.3	30.4	44.2
10	53.0	8.7	15.2	19.1	26.5	23.9	27.0	32.6	31.7	47.6	43.0
13	53.2	14.3	19.9	20.3	19.5	23.4	29.0	31.2	46.1	40.7	41.1
16	53.9	15.4	12.0	14.1	17.1	23.1	27.8	44.2	37.6	35.9	38.5
19	60.8	8.7	12.5	14.8	20.8	26.1	42.6	36.4	36.4	38.6	33.3
22	60.6	9.9	13.7	18.3	23.6	41.6	38.8	36.5	38.0	30.8	33.8

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.1	54.5	45.5	63.6	45.5	54.5	9.1
4	4.1	50.0	50.0	55.6	77.8	44.4	16.7
7	3.9	76.5	58.8	82.4	76.5	23.5	11.8
10	9.7	76.2	64.3	64.3	28.6	28.2	21.4
13	11.8	68.6	54.9	35.3	19.6	5.9	13.7
16	6.7	44.8	48.3	34.5	27.6	20.7	20.7
19	4.4	89.5	68.4	63.2	31.6	36.8	10.5
22	5.3	73.9	73.9	52.2	39.1	60.9	21.7

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.5	72.7	72.7	54.5	45.5	36.4	9.1
4	2.5	100.0	100.0	90.9	72.7	63.6	27.3
7	3.0	92.3	84.6	84.6	69.2	46.2	30.8
10	3.0	100.0	92.3	84.6	76.9	61.5	30.8
13	2.8	91.7	91.7	91.7	75.0	41.7	41.7
16	2.8	100.0	91.7	83.3	83.3	41.7	41.7
19	3.9	94.1	88.2	82.4	35.3	35.3	23.5
22	3.5	86.7	53.3	46.7	33.3	46.7	33.3

CRITERIA THREE CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	28.8	80.8	71.2	60.0	66.4	56.8	44.0
4	27.0	79.5	74.4	76.9	63.2	61.5	39.3
7	42.0	83.5	77.5	73.1	62.1	50.0	50.0
10	39.8	83.8	78.0	74.0	66.5	46.8	48.6
13	38.0	83.0	79.4	76.4	61.2	46.7	46.1
16	40.3	87.0	76.8	67.2	59.3	41.2	49.7
19	34.8	81.5	76.2	71.5	60.3	64.2	45.0
22	31.6	79.6	72.3	68.6	51.8	59.9	46.7

CRITERIA FOUR CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	12.9	64.3	48.2	35.7	39.3	21.4	17.9
4	11.1	75.0	52.1	54.2	33.3	18.8	20.8
7	16.4	70.4	59.2	45.1	29.6	22.5	25.4
10	14.7	60.9	59.4	43.8	28.1	23.4	15.6
13	11.8	58.8	49.0	43.1	31.4	27.5	5.9
16	9.0	82.1	61.5	56.4	41.0	28.2	10.3
19	9.2	87.5	75.0	65.0	55.0	45.0	20.0
22	11.3	73.5	63.3	51.0	30.6	22.4	12.2

CRITERIA FIVE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.8	67.5	64.7	64.7	52.9	2.9	17.6
4	10.1	70.5	63.6	70.5	22.7	6.8	34.1
7	14.8	68.8	40.6	25.0	1.6	3.1	43.8
10	6.5	64.3	35.7	10.7	10.7	14.3	7.1
13	2.1	66.7	66.7	44.4	22.2	33.3	11.1
16	3.7	87.5	81.3	25.0	25.0	25.0	.0
19	1.6	71.4	71.4	85.7	57.1	42.9	14.3
22	4.1	77.8	55.6	61.1	44.4	16.7	11.1

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	.0	100.0	.0	.0
16	.2	.0	.0	100.0	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	57.1	66.7	52.4	23.8	19.0	19.0
4	5.1	40.9	40.9	27.3	45.5	22.7	13.6
7	3.9	41.2	41.2	47.1	29.4	35.3	5.9
10	5.3	60.9	43.5	34.8	39.1	13.0	17.4
13	4.1	66.7	50.0	50.0	22.2	16.7	5.6
16	5.8	68.0	48.0	36.0	24.0	24.0	8.0
19	3.0	61.5	53.8	23.1	30.8	7.7	7.7
22	4.4	57.9	52.6	47.4	42.1	26.3	10.5

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.9	.7	.7	1.0	1.7	9.5	4.9
4	95.9	1.7	1.2	1.7	6.7	5.0	3.1
7	96.1	2.4	4.8	6.7	9.1	3.6	3.9
10	90.3	4.1	3.3	6.1	4.3	3.1	8.2
13	88.2	2.4	2.9	2.9	2.3	5.0	10.7
16	93.3	2.0	2.2	2.2	3.7	2.5	5.7
19	95.6	1.9	2.9	2.7	3.9	2.7	4.1
22	94.7	1.0	1.2	2.4	1.7	6.6	4.4

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.5	.5	1.2	1.2	1.9	1.9	2.8
4	97.5	.7	1.2	.7	1.2	1.2	2.4
7	97.0	.2	.5	.5	.7	2.6	2.6
10	97.0	.2	.2	.2	.5	1.7	2.6
13	97.2	.0	.2	.2	1.9	1.9	2.1
16	97.2	.9	.9	1.7	1.2	1.9	1.9
19	96.1	.0	.2	.2	1.7	2.2	3.6
22	96.5	.0	1.0	1.4	1.9	1.9	2.9

CRITERIA THREE — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	71.2	9.7	11.7	13.6	32.1	30.4	23.3
4	73.0	9.5	13.3	29.1	31.2	33.1	22.7
7	58.0	11.6	12.0	15.9	20.7	23.9	36.8
10	60.1	6.5	11.9	14.2	23.8	21.5	35.6
13	62.0	11.2	16.0	19.0	18.6	18.6	33.5
16	59.2	12.5	11.3	12.5	12.5	17.5	35.0
19	65.2	6.7	8.8	10.2	12.7	30.5	30.0
22	68.4	8.1	10.5	11.1	15.8	32.0	25.3

CRITERIA FOUR — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	87.1	4.5	7.4	7.4	13.0	10.3	11.6
4	88.9	3.6	9.9	11.7	12.4	7.8	9.8
7	83.6	5.8	5.8	8.8	8.3	6.6	15.0
10	85.3	3.8	6.2	6.2	5.7	9.2	14.6
13	88.2	3.1	4.4	4.4	6.3	10.4	12.3
16	91.0	2.5	4.8	4.6	8.4	9.4	8.6
19	90.8	2.0	4.6	5.8	8.1	13.7	8.4
22	88.7	2.6	6.0	7.5	8.6	13.8	10.9

CRITERIA FIVE — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.2	3.2	5.7	5.5	11.5	2.0	6.7
4	89.9	4.4	5.9	8.5	4.6	3.3	7.4
7	85.2	5.4	3.6	3.3	2.2	1.4	9.5
10	93.5	.7	1.7	1.5	3.2	3.4	6.7
13	97.9	.5	1.9	2.8	1.2	7.1	1.9
16	96.3	.7	.7	.7	3.3	9.6	3.8
19	98.[illegible]	.9	1.6	2.8	6.8	14.1	1.2
22	95.9	2.4	3.9	5.3	8.7	6.3	3.6

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.2	.0
4	100.0	.0	.0	.0	.5	.2	.0
7	100.0	.5	.5	.5	.2	.5	.0
10	99.5	.5	.2	.2	.2	.2	.5
13	99.8	.2	.0	.2	.2	.0	.2
16	99.8	.0	.0	.2	.2	.0	.2
19	99.5	.0	.0	.2	.0	.0	.5
22	99.8	.0	.0	.0	.0	.5	.2

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	1.7	2.4	2.7	2.9	3.4	4.1
4	94.9	1.9	2.2	2.7	3.2	4.9	4.6
7	96.1	2.6	1.9	3.6	3.1	1.7	3.9
10	94.7	1.9	2.7	2.4	3.9	3.9	4.6
13	95.9	1.4	3.4	3.8	2.2	4.3	4.3
16	94.2	1.2	2.0	1.0	3.2	3.9	5.6
19	97.0	2.1	3.1	3.8	4.0	3.8	2.9
22	95.6	1.7	1.7	2.9	3.4	4.3	3.9

JANUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	24.4	85.8	84.0	81.1	79.2	71.7	66.0	68.9	50.0	48.1	46.2
4	25.1	85.3	78.0	83.5	75.2	68.8	69.7	50.5	47.7	45.0	48.6
7	38.1	86.7	81.8	78.2	74.5	64.2	50.9	45.5	42.4	43.0	53.0
10	40.8	91.0	85.3	80.2	70.1	51.4	45.5	40.1	40.1	54.5	54.8
13	44.2	87.0	80.2	78.1	55.2	46.9	42.7	40.6	57.3	54.7	56.3
16	44.0	88.5	74.3	58.1	48.9	44.5	44.5	58.1	58.6	60.2	60.7
19	30.4	84.1	79.5	75.6	61.4	55.3	65.9	59.8	60.6	60.6	42.4
22	27.5	88.2	78.2	71.4	61.3	72.0	68.9	63.9	60.5	46.2	40.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	75.6	2.4	5.8	7.0	24.8	30.8	37.2	36.0	24.1	20.8	17.4
4	74.9	7.4	11.1	22.8	29.2	36.0	35.4	23.7	20.7	17.5	17.2
7	61.9	10.4	13.1	17.5	25.4	31.3	17.9	16.5	13.4	14.2	29.5
10	59.2	9.7	14.8	19.5	26.1	16.0	15.2	13.6	14.8	27.2	33.1
13	55.8	7.9	12.8	16.9	10.7	12.0	9.9	12.8	23.2	31.8	35.5
16	56.0	7.4	9.9	8.6	10.7	8.6	9.9	22.7	28.8	32.5	32.1
19	69.6	3.6	5.3	6.6	8.3	11.9	26.2	34.1	37.7	37.7	26.2
22	72.5	4.1	7.3	6.7	11.1	25.5	31.5	37.3	38.5	25.2	22.4

JANUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	.0	25.0	25.0	25.0	50.0	.0
4	.5	50.0	50.0	50.0	.0	50.0	.0
7	.9	50.0	25.0	.0	25.0	25.0	.0
10	1.4	50.0	33.3	33.3	50.0	.0	.0
13	4.6	60.0	65.0	70.0	15.0	5.0	5.0
16	6.0	61.5	46.2	23.1	3.8	7.7	7.7
19	1.8	12.5	12.5	25.0	.0	.0	.0
22	.9	25.0	.0	.0	.0	.0	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	21.9	85.3	80.0	77.9	78.9	61.1	41.1
4	22.1	85.4	79.2	84.4	75.0	61.5	41.7
7	35.8	85.2	80.6	78.7	72.3	52.3	53.2
10	39.4	88.9	83.0	78.4	67.3	42.9	54.4
13	40.3	89.7	81.1	77.7	58.3	41.7	56.0
16	38.9	91.7	76.9	62.7	51.2	42.6	59.8
19	29.0	84.9	79.4	73.6	59.5	65.1	42.1
22	24.9	88.0	78.7	70.4	55.6	66.7	38.9

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.1	66.7	44.4	55.6	55.6	33.3	16.7
4	4.4	84.2	73.7	73.7	36.8	26.3	21.1
7	4.8	38.1	38.1	47.6	47.6	28.6	23.8
10	3.5	60.0	60.0	66.7	46.7	33.3	20.0
13	4.8	66.7	57.1	47.6	38.1	23.8	19.0
16	4.8	76.2	76.2	52.4	47.6	38.1	19.0
19	4.4	78.9	52.6	57.9	52.6	31.6	15.8
22	4.4	94.7	78.9	73.7	47.4	21.1	10.5

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.7	81.3	81.3	75.0	56.3	37.5	18.8
4	3.9	82.4	70.6	64.7	58.8	17.6	17.6
7	4.4	78.9	73.7	68.4	26.3	10.5	26.3
10	3.9	70.6	47.1	35.3	23.5	11.8	17.6
13	2.8	58.3	33.3	33.3	16.7	16.7	8.3
16	2.5	90.9	45.5	45.5	54.5	27.3	9.1
19	2.3	80.0	80.0	80.0	30.0	20.0	10.0
22	3.5	93.3	80.0	60.0	53.3	33.3	6.7

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.8	50.0	50.0	41.7	8.3	.0	.0
4	3.0	61.5	38.5	38.5	7.7	15.4	15.4
7	2.8	41.7	25.0	33.3	16.7	.0	8.3
10	2.8	50.0	41.7	50.0	25.0	8.3	8.3
13	3.2	42.9	28.6	35.7	28.6	14.3	7.1
16	2.3	70.0	70.0	50.0	20.0	10.0	.0
19	3.0	76.9	61.5	61.5	38.5	15.4	7.7
22	2.3	60.0	40.0	50.0	40.0	.0	10.0

JANUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.2	.5	.2	.7	4.2	.9
4	99.5	.9	.5	.7	1.4	5.8	.5
7	99.1	.7	.9	1.2	4.2	1.6	.9
10	98.6	1.4	3.0	4.2	5.4	.9	1.4
13	95.4	1.7	2.4	2.9	1.2	.7	4.6
16	94.0	1.2	1.7	.5	.7	.0	5.9
19	98.2	.5	.2	.5	.9	.9	2.1
22	99.1	.2	1.2	.9	.5	1.4	.9

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	78.1	1.2	4.7	6.5	23.7	34.5	16.5
4	77.9	6.8	10.4	22.0	29.3	32.5	16.3
7	64.2	8.6	12.9	17.3	22.7	16.2	26.6
10	60.6	8.7	11.8	15.6	20.5	13.3	31.6
13	59.7	5.4	10.4	12.7	9.3	8.5	30.5
16	61.1	5.7	7.5	7.5	8.3	8.7	26.8
19	71.0	2.6	4.5	5.2	6.5	24.1	24.4
22	75.1	4.3	6.5	5.8	10.5	31.7	19.8

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.9	1.2	1.7	2.2	2.7	3.6	3.6
4	95.6	1.2	1.4	1.7	1.9	3.9	3.6
7	95.2	.7	.7	1.2	2.7	3.2	3.9
10	96.5	.7	1.7	2.6	3.3	3.3	2.9
13	95.2	1.5	1.7	2.7	2.7	3.1	4.1
16	95.2	1.9	1.7	1.9	2.2	2.7	4.1
19	95.6	.5	1.2	1.9	1.9	3.6	3.9
22	95.6	1.2	2.2	1.0	2.4	2.7	4.1

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.3	1.2	2.4	1.2	2.4	1.4	3.1
4	96.1	.7	1.4	1.9	1.7	1.9	3.6
7	95.6	2.4	2.2	1.0	1.7	1.9	3.6
10	96.1	.2	1.0	1.4	1.7	3.1	3.8
13	97.2	.5	1.2	1.7	1.9	3.3	2.8
16	97.5	1.7	1.7	1.2	2.1	3.5	2.6
19	97.7	.2	.7	1.7	3.1	4.3	2.1
22	96.5	.2	1.0	1.7	2.4	3.3	3.6

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.2	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.2	1.7	2.6	1.9	2.6	3.3	2.8
4	97.0	.5	1.7	1.7	2.6	1.9	2.6
7	97.2	.7	1.7	1.9	2.9	3.1	2.6
10	97.2	.9	1.2	1.9	1.7	2.1	2.6
13	96.8	.2	.5	1.2	2.1	2.4	3.3
16	97.7	1.4	.9	1.9	1.9	2.8	2.4
19	97.0	.5	.5	.5	1.7	2.4	3.1
22	97.7	1.2	2.6	1.7	2.1	2.8	2.1

FEBRUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	25.0	86.7	76.5	73.5	77.3	74.5	70.4	72.4	54.6	42.9	41.8
4	27.0	84.0	79.2	80.8	80.2	74.3	75.2	49.5	41.5	37.7	46.2
7	38.9	92.0	86.0	86.7	78.0	74.0	55.0	44.7	39.3	47.3	51.7
10	47.2	85.4	85.9	80.4	76.1	55.4	41.1	38.4	41.6	49.2	51.9
13	47.2	90.8	85.8	78.3	60.1	41.8	40.8	42.9	51.4	56.0	56.8
16	47.9	83.9	72.4	62.2	43.0	43.5	47.3	54.1	61.3	60.5	61.4
19	34.9	81.6	69.1	61.8	52.9	54.4	58.8	63.2	61.8	61.0	45.2
22	25.3	84.8	80.8	71.7	67.7	69.4	70.7	66.7	67.7	51.0	38.4

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	75.0	4.4	7.5	11.6	26.0	38.1	39.4	39.7	28.3	19.5	19.7
4	73.0	4.9	13.0	23.4	35.0	37.2	37.8	29.5	19.3	20.6	20.3
7	61.1	14.0	18.6	22.5	28.0	31.2	22.6	12.8	15.7	14.0	29.2
10	52.8	10.6	15.0	17.5	22.5	16.5	11.2	13.5	14.5	28.6	40.6
13	52.8	10.2	15.7	20.6	12.7	10.7	11.7	13.6	26.7	37.4	39.3
16	52.1	10.4	10.4	10.0	9.5	8.9	9.4	24.1	32.7	36.1	34.2
19	65.1	3.5	5.1	5.9	10.6	13.0	27.4	37.0	39.7	39.6	28.1
22	74.7	4.5	9.0	9.6	13.7	27.9	37.7	41.0	40.3	28.5	21.3

FEBRUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	50.0	25.0	25.0	.0	.0	.0
4	1.0	25.0	.0	.0	25.0	50.0	.0
7	.8	66.7	100.0	100.0	100.0	33.3	.0
10	3.8	73.3	60.0	60.0	46.7	6.7	.0
13	5.6	72.7	71.4	59.1	18.2	4.5	9.1
16	8.2	65.6	45.2	25.0	9.4	6.3	12.5
19	3.8	60.0	20.0	13.3	6.7	6.7	.0
22	.8	33.3	33.3	33.3	33.3	33.3	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	23.0	85.6	78.9	76.7	75.3	65.6	42.2
4	25.0	86.7	79.6	78.1	77.6	69.1	46.9
7	36.0	89.9	82.0	82.0	71.9	54.3	49.3
10	42.9	87.5	86.2	80.2	75.4	43.5	50.0
13	42.6	92.8	86.1	79.5	61.8	42.8	51.5
16	41.5	84.5	74.5	66.9	47.8	47.8	56.0
19	31.5	79.7	72.4	65.0	54.5	58.5	43.4
22	24.0	87.2	80.9	72.3	67.0	70.2	38.3

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	77.8	55.6	44.4	66.7	55.6	11.1
4	2.0	87.5	62.5	50.0	75.0	62.5	12.5
7	3.9	93.3	73.3	93.3	60.0	26.7	20.0
10	7.1	89.3	71.4	64.3	39.3	7.1	14.3
13	6.9	77.8	59.3	37.0	23.1	14.8	19.2
16	4.9	63.2	42.1	50.0	21.1	21.1	16.7
19	3.8	60.0	46.7	40.0	26.7	26.7	6.7
22	2.8	72.7	54.5	54.5	27.3	36.4	18.2

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.3	60.0	40.0	20.0	60.0	.0	20.0
4	2.0	75.0	50.0	62.5	62.5	12.5	.0
7	5.4	85.7	71.4	57.1	19.0	14.3	19.0
10	4.6	61.1	38.9	33.3	16.7	5.6	5.6
13	2.3	66.7	55.6	44.4	33.3	11.1	11.1
16	2.1	87.5	87.5	75.0	12.5	12.5	.0
19	2.8	63.6	27.3	9.1	.0	18.2	9.1
22	1.5	66.7	66.7	33.3	16.7	16.7	.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.0	37.5	37.5	25.0	62.5	50.0	.0
4	3.1	58.3	58.3	58.3	50.0	25.0	8.3
7	5.4	57.1	47.6	42.9	19.0	30.0	23.8
10	3.8	66.7	46.7	33.3	40.0	13.3	13.3
13	3.6	85.7	57.1	42.9	57.1	21.4	15.4
16	3.9	46.7	60.0	53.3	26.7	20.0	7.1
19	4.4	52.9	52.9	47.1	23.5	35.3	12.5
22	3.6	50.0	21.4	21.4	28.6	35.7	21.4

FEBRUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.5	1.0	.8	.8	5.7	1.0
4	99.0	.3	1.0	.8	3.6	7.8	1.0
7	99.2	.8	2.3	3.1	5.0	3.7	.8
10	96.2	1.1	2.9	3.5	6.7	.5	4.2
13	94.4	1.9	4.1	5.2	3.0	.8	6.3
16	91.8	2.5	1.7	2.0	.0	.6	8.2
19	96.2	1.3	.5	.3	.8	.5	4.3
22	99.2	.8	1.8	.8	.8	3.9	1.3

CRITERIA THO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	77.0	4.0	6.3	9.6	24.2	35.7	17.5
4	75.0	4.8	11.6	22.1	31.3	32.3	18.4
7	64.0	13.4	18.2	21.1	26.3	19.1	27.0
10	57.1	9.4	12.5	14.3	15.8	9.4	34.8
13	57.4	6.7	9.5	13.1	9.4	8.9	35.3
16	58.5	6.6	8.0	6.6	7.5	10.1	29.5
19	68.5	2.2	4.5	5.2	9.0	24.9	24.4
22	76.0	3.0	6.1	7.7	12.5	32.3	19.6

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.3	1.0	1.0	2.4	5.8	2.3
4	98.0	2.3	3.1	2.9	5.7	3.7	2.1
7	96.1	2.2	2.4	3.8	4.9	3.0	3.5
10	92.9	1.4	2.5	2.5	2.2	2.5	6.6
13	93.1	.8	2.2	2.5	2.5	1.7	6.6
16	95.1	2.4	3.0	1.6	1.9	1.4	4.6
19	96.2	1.6	1.1	1.3	1.6	3.3	3.8
22	97.2	1.3	.8	1.1	1.6	6.3	2.6

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.7	.5	1.0	1.8	4.7	2.3	1.0
4	98.0	.3	1.3	4.2	3.4	1.8	1.8
7	94.6	1.9	2.2	1.6	1.4	2.2	4.2
10	95.4	1.1	1.1	.8	1.4	1.3	4.0
13	97.7	1.1	1.6	1.1	2.1	1.0	1.8
16	97.9	.8	1.1	1.3	1.3	1.6	1.9
19	97.2	.0	1.1	1.3	1.3	4.8	2.7
22	98.5	.3	.5	.8	1.6	3.9	1.3

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.0	1.0	1.3	2.6	4.2	2.6	2.3
4	96.9	2.1	2.6	3.7	2.4	3.2	3.2
7	94.6	1.4	1.6	1.6	2.7	3.0	4.4
10	96.2	2.1	2.7	2.4	2.4	3.2	3.4
13	96.4	2.4	2.1	2.4	2.4	1.6	3.5
16	96.1	1.9	3.0	2.4	2.7	2.7	3.8
19	95.6	.5	1.1	1.6	1.3	4.4	3.8
22	96.4	.8	1.1	1.6	2.4	2.7	3.2

MARCH

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	20.7	76.7	70.0	65.6	68.9	56.7	57.8	65.6	45.6	34.4	32.2
4	20.3	84.1	83.0	83.0	69.3	63.6	69.3	48.9	34.1	35.2	23.9
7	34.7	84.7	78.7	72.7	66.7	68.7	51.3	36.7	34.7	36.0	45.3
10	38.0	84.8	78.8	80.5	73.3	55.8	40.0	35.8	32.7	41.8	44.2
13	45.7	84.3	82.7	77.7	53.3	40.6	32.5	31.0	39.8	41.6	49.7
16	49.3	85.4	76.1	56.8	40.4	31.5	30.0	41.0	38.5	47.4	54.5
19	35.0	74.3	60.5	55.9	42.1	40.8	47.4	48.0	53.9	57.2	38.8
22	24.9	70.4	60.2	55.6	50.9	58.3	51.9	60.2	63.9	41.7	30.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER								
		2	3	6	9	12	15	18	21	24
1	79.3	4.7	6.4	8.4	25.7	33.1	42.5	45.0	32.3	22.4	18.6
4	79.7	5.8	12.5	22.4	30.1	41.1	44.2	31.5	22.5	17.9	20.2
7	65.3	8.2	15.6	19.5	34.6	39.1	26.6	18.8	14.5	13.1	29.6
10	62.0	8.9	16.8	24.3	34.5	22.3	15.6	12.6	13.8	30.7	34.6
13	54.3	12.9	23.0	25.9	20.1	12.0	12.4	12.8	31.2	35.5	42.5
16	50.7	12.9	20.3	14.2	10.0	11.9	12.3	29.4	38.4	43.6	46.1
19	65.0	4.6	5.3	8.2	10.3	10.3	28.2	33.0	41.2	46.8	34.0
22	75.1	6.1	10.5	10.1	11.0	27.2	33.7	40.9	46.0	33.7	22.1

MARCH

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	50.0	30.0	20.0	40.0	30.0	.0
4	1.6	14.3	28.6	57.1	42.9	42.9	.0
7	2.1	55.6	66.7	44.4	33.3	33.3	.0
10	5.3	78.3	65.2	82.6	60.9	8.7	4.3
13	11.6	78.0	82.0	68.0	34.0	6.0	20.4
16	18.8	74.1	50.6	28.4	18.5	4.9	27.2
19	7.1	38.7	45.2	35.5	12.9	6.5	12.9
22	5.3	47.8	30.4	30.4	8.7	21.7	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	18.4	78.7	70.0	67.5	63.7	48.7	30.0
4	17.5	86.8	85.5	82.9	65.8	60.5	21.1
7	31.5	84.6	76.5	72.8	64.7	47.1	41.9
10	32.0	87.8	79.9	76.1	66.2	37.4	43.2
13	35.7	83.8	76.0	73.4	52.6	33.1	43.1
16	34.7	87.3	79.3	62.7	40.7	31.3	40.0
19	28.3	77.2	64.2	56.9	45.5	48.8	37.4
22	19.6	77.6	65.9	60.0	55.3	48.2	29.4

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.6	71.4	57.1	42.9	14.3	28.6	.0
4	2.5	36.4	27.3	36.4	18.2	27.3	18.2
7	2.5	81.8	72.7	27.3	45.5	45.5	9.1
10	2.5	72.7	72.7	63.6	36.4	.0	9.1
13	4.4	63.2	52.6	52.6	36.8	10.5	26.3
16	3.9	64.7	58.8	52.9	23.5	5.9	11.8
19	4.6	40.0	40.0	30.0	15.0	10.0	30.0
22	2.3	50.0	40.0	40.0	20.0	30.0	10.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	40.0	40.0	40.0	20.0	20.0	.0
4	2.3	90.0	70.0	70.0	20.0	10.0	10.0
7	4.2	50.0	38.9	22.2	5.6	5.6	22.2
10	2.1	22.2	33.3	11.1	11.1	.0	.0
13	1.4	50.0	33.3	50.0	.0	.0	.0
16	1.9	62.5	37.5	12.5	12.5	.0	.0
19	2.1	77.8	44.4	22.2	11.1	44.4	.0
22	1.6	57.1	57.1	42.9	28.6	28.6	.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.6	71.4	57.1	14.3	14.3	14.3	.0
4	1.8	75.0	62.5	50.0	25.0	.0	.0
7	1.6	42.9	42.9	42.9	14.3	14.3	.0
10	2.3	50.0	40.0	40.0	10.0	.0	.0
13	1.6	14.3	28.6	28.6	28.6	28.6	28.6
16	1.4	50.0	16.7	33.3	.0	.0	.0
19	2.1	55.6	22.2	11.1	22.2	.0	11.1
22	1.2	60.0	20.0	40.0	.0	20.0	.0

MARCH

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	1.2	.9	1.2	1.2	11.2	2.6
4	98.4	1.2	.9	1.2	4.7	18.4	1.9
7	97.9	1.2	4.7	4.5	11.2	6.6	2.1
10	94.7	3.4	6.6	7.6	16.4	5.1	5.4
13	88.4	4.5	10.3	12.4	3.7	2.1	10.3
16	81.3	5.2	6.3	2.3	2.3	1.1	16.6
19	92.9	2.0	1.0	3.0	1.7	1.7	6.5
22	94.7	1.0	1.2	1.0	1.5	4.4	4.9

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	81.6	3.7	5.4	6.2	24.1	32.8	15.8
4	82.5	3.6	11.0	20.5	24.9	29.2	16.8
7	68.5	6.1	9.5	13.2	22.4	19.9	27.2
10	68.0	5.4	9.5	16.7	19.8	11.2	26.8
13	64.3	8.0	11.7	13.5	15.2	10.5	31.6
16	65.3	7.1	11.1	10.3	8.5	10.3	33.2
19	71.7	2.3	4.2	4.8	7.7	24.9	26.4
22	80.4	4.6	8.0	8.3	8.3	28.1	17.2

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.4	1.2	1.4	1.9	2.4	4.0	1.6
4	97.5	.9	2.1	1.7	2.1	3.3	2.6
7	97.5	1.2	1.7	1.9	3.3	3.6	3.1
10	97.5	1.9	3.3	2.9	3.1	2.4	3.1
13	95.6	.5	1.2	1.7	3.2	1.2	4.2
16	96.1	1.0	1.9	2.7	1.4	2.9	3.9
19	95.4	.0	1.2	1.0	1.0	2.9	4.3
22	97.7	.2	.9	.7	2.6	2.6	2.4

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.5	1.2	1.9	4.0	1.2	1.6
4	97.7	.7	2.4	2.6	1.7	1.7	2.6
7	95.8	.2	1.0	1.2	1.2	1.9	3.4
10	97.9	.7	.7	1.2	1.7	1.6	2.1
13	98.6	.7	.7	1.2	2.1	1.6	1.4
16	98.1	.5	1.7	1.9	1.4	2.8	1.9
19	97.9	.5	.7	1.2	1.4	3.3	2.1
22	98.4	.2	.9	.9	2.3	1.6	1.6

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.2	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.4	.7	.5	1.6	1.4	1.4	1.6
4	98.2	.5	.5	.7	1.9	1.4	2.1
7	98.4	.9	.7	1.6	1.4	1.9	1.9
10	97.7	1.2	.7	.7	1.2	1.2	2.4
13	98.4	1.7	1.7	.9	1.7	1.2	1.7
16	98.6	1.9	1.9	1.6	1.2	2.1	2.1
19	97.9	.7	.7	.9	1.2	1.9	2.4
22	98.8	2.3	1.6	1.2	2.1	2.1	.9

APRIL

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	18.3	80.5	61.0	57.1	49.4	51.9	58.4	64.9	42.9	27.3	29.9
4	16.9	77.1	71.8	71.8	73.2	73.2	71.8	54.9	25.4	28.2	23.9
7	26.4	81.1	75.7	73.9	65.8	70.3	56.8	28.8	27.9	24.3	30.6
10	31.9	85.1	79.9	79.1	75.4	56.0	27.6	26.1	28.4	30.6	41.0
13	40.8	86.0	79.5	78.9	53.2	26.9	24.0	21.6	35.2	39.8	50.9
16	48.9	81.9	70.9	55.4	25.5	23.0	21.6	29.4	39.7	48.0	54.9
19	36.7	59.1	46.1	36.4	29.9	27.3	34.4	41.6	54.2	59.5	44.2
22	17.4	67.1	54.8	53.4	39.7	43.8	39.7	53.4	60.3	37.0	19.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	81.7	4.7	7.9	7.9	21.3	27.4	36.8	45.3	35.3	15.2	14.3
4	83.1	4.6	12.0	17.2	23.5	34.2	44.2	33.0	15.8	14.9	14.0
7	73.6	4.9	12.9	16.8	31.8	41.2	29.4	13.3	13.3	12.6	23.9
10	68.1	6.7	13.0	22.8	36.4	27.6	12.6	12.9	12.6	23.4	26.6
13	59.2	12.5	19.0	28.0	25.4	10.9	12.5	11.7	21.4	25.4	33.2
16	51.1	18.3	23.5	19.2	9.9	11.7	10.3	22.1	23.0	32.5	41.2
19	63.3	4.5	4.9	6.4	9.8	9.0	20.7	25.2	32.3	41.7	32.3
22	82.6	2.9	5.2	9.5	10.7	21.9	29.4	37.6	45.6	36.6	16.4

APRIL

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.3	57.1	21.4	14.3	14.3	42.9	7.1
4	1.7	42.9	28.6	57.1	71.4	57.1	.0
7	3.1	76.9	76.9	69.2	69.2	53.8	7.7
10	7.9	66.7	72.7	60.6	69.7	15.2	15.2
13	12.4	80.8	73.1	78.8	44.2	5.8	11.5
16	21.3	71.9	66.3	46.1	11.2	4.5	27.0
19	15.0	33.3	23.8	17.5	12.7	7.9	30.2
22	4.3	44.4	38.9	38.9	11.1	11.1	11.1

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	14.3	80.0	66.7	63.3	53.3	51.7	28.3
4	15.2	81.0	75.0	73.4	65.6	51.6	25.0
7	23.1	79.4	73.2	70.1	54.6	49.5	26.8
10	24.8	83.7	72.1	70.2	58.7	22.1	34.6
13	27.7	83.6	75.0	71.6	49.1	28.4	39.7
16	28.8	85.8	71.4	58.3	26.7	26.7	38.3
19	22.6	70.5	52.6	41.1	35.8	35.8	29.5
22	11.9	72.0	64.0	56.0	48.0	34.0	12.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	62.5	25.0	12.5	.0	25.0	.0
4	2.6	63.6	63.6	45.5	27.3	18.2	.0
7	2.6	81.8	72.7	54.5	45.5	27.3	.0
10	3.6	86.7	80.0	80.0	46.7	13.3	.0
13	6.2	76.9	65.4	50.0	30.8	7.7	23.1
16	4.6	78.9	42.1	42.1	15.8	5.3	21.1
19	3.1	61.5	46.2	30.8	23.1	7.7	.0
22	1.7	71.4	42.9	42.9	14.3	.0	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	100.0	75.0	75.0	25.0	.0	.0
4	.7	66.7	66.7	33.3	.0	.0	.0
7	1.4	50.0	16.7	.0	.0	16.7	16.7
10	.5	50.0	50.0	50.0	.0	.0	.0
13	1.9	87.5	50.0	62.5	.0	.0	.0
16	2.2	55.6	33.3	.0	.0	.0	.0
19	1.9	37.5	37.5	25.0	12.5	12.5	.0
22	.5	100.0	50.0	50.0	50.0	.0	.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	85.7	28.6	28.6	14.3	.0	.0
4	1.4	16.7	16.7	50.0	16.7	16.7	.0
7	1.4	50.0	33.3	33.3	50.0	33.3	.0
10	1.0	75.0	100.0	25.0	.0	25.0	.0
13	1.9	50.0	50.0	25.0	25.0	.0	.0
16	1.9	50.0	57.1	62.5	.0	.0	.0
19	2.4	60.0	20.0	.0	.0	10.0	.0
22	1.4	16.7	33.3	50.0	16.7	.0	.0

APRIL

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.7	1.0	1.2	1.2	2.7	11.4	3.0
4	98.3	.7	1.2	2.2	6.8	20.7	1.5
7	96.9	1.2	3.2	5.9	10.6	13.8	2.9
10	92.1	2.3	4.7	8.3	17.2	3.4	7.5
13	87.6	5.4	7.1	13.2	10.9	2.7	12.6
16	78.7	8.2	11.3	6.7	2.4	.6	20.2
19	85.0	2.8	2.0	2.0	1.4	2.2	12.9
22	95.7	1.2	1.2	1.5	1.0	8.0	4.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	85.7	4.2	6.4	7.2	18.1	23.7	11.4
4	84.8	3.4	9.0	14.0	17.4	24.6	12.9
7	76.9	4.0	8.7	11.1	19.6	14.6	21.1
10	75.2	3.5	8.6	13.7	18.8	8.5	20.9
13	72.3	5.9	8.6	12.3	12.5	8.3	22.8
16	71.2	5.7	8.1	8.4	6.1	10.1	23.7
19	77.4	1.2	3.1	3.4	7.4	18.5	20.0
22	88.1	1.9	3.5	8.1	10.3	23.0	11.4

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	1.0	1.7	2.4	2.7	5.8	1.9
4	97.4	.5	1.0	1.5	2.9	4.2	2.2
7	97.4	.7	1.7	2.2	5.1	2.4	2.0
10	96.4	1.7	2.0	3.5	3.0	1.2	3.0
13	93.8	1.0	1.3	1.5	1.3	1.5	4.1
16	95.4	.8	.8	1.3	1.0	2.0	3.3
19	96.9	.5	.2	.7	1.2	1.7	2.2
22	98.3	.7	1.0	1.2	1.9	2.9	1.2

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.0	.0	.0	1.2	1.9	.5
4	99.3	.2	1.7	1.2	.5	2.2	.2
7	98.6	.2	.7	.5	1.9	1.7	1.2
10	99.5	.2	.7	1.7	2.2	.5	.5
13	98.1	1.2	1.7	1.0	1.9	.5	2.2
16	97.8	.7	1.0	2.0	.5	.2	2.2
19	98.1	.7	.0	.0	.2	1.2	1.9
22	99.5	.5	.2	.2	.0	.5	.5

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.2	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	.2	1.0	1.0	1.2	1.9	1.7
4	98.6	.0	1.4	.7	.7	1.7	1.2
7	98.6	.0	.5	.5	1.2	1.9	1.2
10	99.0	.7	1.4	1.7	1.9	1.2	1.0
13	98.1	1.2	1.2	1.5	1.9	1.7	1.2
16	98.1	1.0	1.2	1.2	1.5	1.2	1.2
19	97.6	.7	.7	1.5	1.7	1.0	2.0
22	98.6	.7	.7	1.0	1.0	1.0	1.4

MAY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	9.2	62.5	47.5	52.5	62.5	42.5	47.5	42.5	38.5	25.0	20.0
4	9.2	75.0	75.0	67.5	52.5	57.5	47.5	43.6	22.5	15.0	10.0
7	19.6	80.0	69.4	58.8	63.5	56.5	48.2	24.7	23.5	20.0	31.8
10	19.4	85.7	81.0	73.8	69.0	55.4	25.0	21.4	19.0	32.1	36.9
13	27.4	85.7	81.5	73.1	47.9	23.5	16.1	19.3	31.9	33.6	37.8
16	34.9	80.1	70.9	57.0	21.2	15.9	15.9	27.8	28.5	33.1	46.4
19	28.3	53.7	35.2	34.4	19.0	18.9	31.1	33.6	36.9	49.2	37.2
22	11.3	63.3	53.1	50.0	32.7	38.8	44.9	34.7	53.1	52.1	20.4

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	90.8	2.3	4.1	4.8	15.3	17.0	25.4	34.2	27.4	9.9	8.2
4	90.8	7.4	13.5	14.7	16.0	24.4	33.6	26.8	10.2	8.7	9.1
7	80.4	5.4	8.0	9.7	16.6	29.6	23.6	8.0	5.7	6.6	16.9
10	80.6	8.9	13.4	16.3	26.6	21.8	9.0	6.3	6.9	16.9	15.7
13	72.6	9.6	12.1	20.4	20.8	6.7	6.7	5.4	15.2	14.6	22.5
16	65.1	12.4	17.7	12.9	6.0	5.7	5.7	15.6	15.2	23.4	28.1
19	71.7	2.6	1.3	2.3	5.2	5.5	15.2	14.2	22.3	27.9	23.5
22	88.7	2.6	3.1	4.2	6.2	17.4	16.6	25.7	32.0	24.3	9.9

MAY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	50.0	33.3	33.3	33.3	33.3	.0
4	1.6	.0	14.3	28.6	42.9	85.7	.0
7	2.5	63.6	45.5	63.6	72.7	45.5	9.1
10	5.8	60.0	68.0	68.0	72.0	12.0	16.0
13	10.8	74.5	74.5	66.0	31.9	6.4	29.8
16	17.1	79.7	68.9	45.9	14.9	6.8	41.9
19	11.6	38.0	20.0	22.0	6.0	10.0	32.0
22	2.8	33.3	16.7	16.7	25.0	33.3	16.7

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.2	58.1	45.2	48.4	61.3	48.4	19.4
4	6.9	86.7	80.0	73.3	53.3	33.3	10.0
7	15.7	80.9	73.5	63.2	61.8	35.8	30.9
10	14.5	88.9	79.4	73.0	60.3	20.6	38.1
13	18.9	84.1	75.6	68.3	40.2	16.0	28.0
16	19.9	79.1	68.6	55.8	20.9	15.1	25.6
19	16.5	60.0	40.8	40.8	22.9	33.8	21.4
22	8.1	68.6	57.1	52.9	25.7	40.0	17.1

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.2	100.0	100.0	.0	.0	.0	.0
7	.5	100.0	50.0	50.0	50.0	.0	.0
10	.5	50.0	50.0	50.0	.0	.0	.0
13	1.2	100.0	40.0	20.0	20.0	.0	.0
16	.2	100.0	100.0	100.0	100.0	.0	.0
19	.2	100.0	100.0	100.0	.0	.0	.0
22	.2	100.0	100.0	.0	.0	.0	.0

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	100.0	60.0	40.0	60.0	.0	20.0
4	.9	100.0	100.0	75.0	.0	.0	.0
7	3.2	64.3	28.6	.0	.0	15.4	21.4
10	.2	100.0	100.0	100.0	.0	.0	.0
13	.5	50.0	50.0	.0	.0	.0	.0
16	1.4	83.3	66.7	50.0	16.7	16.7	.0
19	2.3	40.0	40.0	30.0	30.0	30.0	10.0
22	.7	100.0	100.0	100.0	33.3	.0	33.3

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.5	50.0	.0	.0	50.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

MAY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.2	.7	1.2	2.1	10.5	1.4
4	98.4	.0	.9	2.1	5.2	16.0	1.6
7	97.5	2.6	3.6	4.3	9.2	10.7	2.4
10	94.2	2.2	4.2	7.3	13.7	2.2	4.9
13	89.2	5.7	6.7	11.1	9.1	.8	8.0
16	82.9	7.0	9.2	4.5	.3	.6	11.7
19	88.4	1.3	.8	.3	.8	1.6	8.7
22	97.2	1.2	1.2	1.0	.9	4.7	2.4

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.8	1.5	2.5	3.7	12.2	16.7	6.2
4	93.1	5.4	10.4	11.4	11.6	18.9	6.7
7	84.3	2.5	3.8	5.5	10.9	12.9	13.1
10	85.5	6.2	8.6	9.7	13.0	5.9	11.1
13	81.1	4.6	6.6	8.5	10.9	5.1	16.5
16	80.1	3.7	7.2	6.7	4.9	4.9	17.9
19	83.5	.8	.6	1.7	3.9	12.2	14.2
22	91.9	1.3	1.8	3.3	5.3	12.8	7.0

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	.0	.2	.5	1.2	.2
4	99.8	.2	.7	.5	.5	.2	.2
7	99.5	.5	.9	.2	.9	.2	.5
10	99.5	.5	.7	.9	.2	.2	.5
13	98.8	.2	.0	.0	.0	.2	1.2
16	99.8	.5	.5	.0	.0	.2	.2
19	99.8	.0	.2	.0	.0	.5	.2
22	99.8	.2	.2	.2	.2	.5	.2

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.5	.5	.5	2.6	.5	.9
4	99.1	2.1	2.8	2.6	.2	1.4	.9
7	96.8	.0	.0	.2	.5	1.9	2.6
10	99.8	.2	.2	.2	1.4	.7	.2
13	99.5	.5	.2	1.4	2.3	1.2	.2
16	98.6	.5	1.2	1.7	.5	.7	1.4
19	97.7	.0	.0	.0	.5	2.6	2.2
22	99.3	.2	.2	.5	.7	.2	.5

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.2	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.2	.0	.0	.2	.0	.0
16	100.0	.0	.2	.2	.0	.0	.0
19	99.8	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.5	.5	.2	.5	.2	.0
4	99.8	.0	.0	.5	.2	.0	.2
7	99.5	.0	.0	.2	.0	.0	.5
10	99.8	.0	.7	.2	.0	.0	.2
13	99.8	.5	.2	.0	.0	.0	.2
16	100.0	.7	.7	.0	.0	.2	.0
19	100.0	.2	.0	.0	.0	.5	.0
22	100.0	.2	.0	.0	.2	.2	.0

JUNE

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	5.2	63.6	45.5	40.9	31.8	27.3	54.5	45.5	54.5	22.7	13.6
4	7.4	61.3	58.1	54.8	45.2	51.6	67.7	35.5	19.4	6.5	29.0
7	11.2	74.5	72.3	66.0	59.6	68.1	44.7	25.5	23.4	21.3	36.2
10	12.9	68.5	68.5	68.5	68.5	48.1	27.8	20.4	18.5	32.1	29.6
13	18.3	81.8	80.5	80.5	53.2	22.1	15.6	22.1	28.6	26.0	32.5
16	25.2	79.2	66.0	54.7	17.9	11.3	19.8	23.6	22.6	29.2	39.6
19	23.3	48.0	27.6	23.5	16.3	18.4	23.5	22.4	31.6	35.7	38.8
22	6.4	48.1	40.7	40.7	33.3	51.9	44.4	51.9	51.9	48.1	22.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	94.8	1.8	3.8	5.5	10.1	12.1	16.3	24.1	21.6	5.5	4.5
4	92.6	5.7	8.0	7.7	10.3	15.7	21.9	22.4	5.4	4.9	5.4
7	88.8	3.0	4.6	6.2	13.2	19.9	20.7	4.0	2.7	5.4	7.5
10	87.1	2.5	5.8	10.9	18.9	19.7	3.3	2.7	5.5	7.7	9.3
13	81.7	6.1	9.1	12.8	16.6	2.9	2.6	3.8	6.7	8.7	14.6
16	74.8	9.6	17.2	12.7	2.5	2.9	2.9	6.4	8.3	14.0	19.1
19	76.7	1.9	1.9	1.2	1.6	3.7	6.9	8.7	13.7	20.8	18.0
22	93.6	1.0	1.3	2.5	5.3	7.9	9.7	15.5	22.4	21.1	5.3

JUNE

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	42.9	14.3	14.3	.0	57.1	.0
4	1.7	28.6	28.6	42.9	57.1	71.4	28.6
7	1.9	25.0	25.0	37.5	25.0	50.0	12.5
10	3.6	46.7	60.0	60.0	80.0	20.0	6.7
13	6.9	79.3	82.8	82.8	62.1	6.9	24.1
16	12.1	86.3	68.6	54.9	9.8	9.8	27.5
19	13.6	31.6	12.3	8.8	8.8	8.8	33.3
22	1.7	.0	.0	14.3	14.3	28.6	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	75.0	58.3	41.7	33.3	41.7	16.7
4	5.2	68.2	59.1	54.5	45.5	40.9	18.2
7	8.6	88.9	83.3	75.0	63.9	36.1	30.6
10	9.8	73.2	68.3	63.4	56.1	22.0	29.3
13	10.2	74.4	74.4	72.1	39.5	14.0	18.6
16	11.2	66.0	63.8	53.2	19.1	21.3	25.5
19	8.6	72.2	50.0	38.9	19.4	38.9	33.3
22	4.3	61.1	50.0	44.4	38.9	61.1	27.8

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.2	100.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	66.7	66.7	66.7	.0	33.3
4	.5	100.0	100.0	100.0	.0	50.0	50.0
7	.7	33.3	33.3	.0	.0	66.7	33.3
10	.0	.0	.0	.0	.0	.0	.0
13	1.7	100.0	100.0	100.0	14.3	.0	.0
16	3.1	76.9	30.8	23.1	7.7	7.7	7.7
19	2.6	45.5	27.3	9.1	18.2	9.1	9.1
22	.7	66.7	33.3	33.3	33.3	.0	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.7	100.0	33.3	.0	.0	.0	.0
16	.5	50.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	100.0	100.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	100.0	.0	.0
13	.2	100.0	.0	.0	.0	.0	.0
16	.5	50.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	100.0	.0	.0

JUNE

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	.5	1.7	1.5	1.9	6.1	1.7
4	98.3	.2	.7	1.2	2.7	11.1	1.2
7	98.1	1.5	2.4	2.9	6.6	12.9	1.7
10	96.4	1.2	2.7	4.9	9.6	1.0	3.5
13	93.1	3.1	4.6	6.9	10.0	1.3	5.6
16	87.9	6.2	12.2	7.9	.5	.5	9.5
19	86.4	1.1	1.1	.6	.6	.8	9.9
22	98.3	.7	.5	1.5	1.5	3.1	1.7

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	1.0	1.7	4.2	7.9	9.5	2.2
4	94.8	4.5	6.5	6.0	7.8	9.5	4.3
7	91.4	1.3	2.1	3.7	5.2	6.0	6.0
10	90.2	.8	2.1	4.5	6.3	2.4	6.6
13	89.8	2.9	3.2	4.2	5.0	1.3	8.8
16	88.8	2.1	2.1	2.9	2.4	2.9	8.8
19	91.4	.5	.5	1.0	1.0	5.2	6.3
22	95.7	.2	.7	.7	3.5	6.5	3.2

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.2	.2	.0	.2	.0
4	99.8	.0	.0	.0	.2	.0	.2
7	100.0	.0	.2	.2	.2	.2	.0
10	99.8	.0	.0	.2	.0	.0	.2
13	99.8	.0	.0	.0	.2	.0	.2
16	100.0	.0	.2	.2	.0	.2	.0
19	99.8	.7	.2	.0	.0	.0	.2
22	100.0	.0	.0	.0	.2	.2	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.0	.0	.0	.2	1.7	.5
4	99.5	.7	.7	.2	.0	2.9	.2
7	99.3	.5	.0	.0	1.7	2.2	.5
10	100.0	.5	1.0	1.7	3.1	.7	.0
13	98.3	.5	1.0	1.5	2.4	.7	1.7
16	96.9	.7	1.7	2.0	.5	.2	2.9
19	97.4	.2	.2	.5	.2	.5	2.4
22	99.3	.0	.2	.5	.2	.0	.7

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.2	.0	.7	.0
4	99.8	.0	.0	.0	.0	.5	.2
7	100.0	.0	.0	.0	.7	.0	.0
10	100.0	.0	.2	.7	.5	.0	.0
13	99.3	.0	.2	.5	.0	.0	.7
16	99.5	.0	.2	.0	.0	.2	.5
19	100.0	.2	.2	.0	.0	.0	.0
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	.0	.2	.0
4	99.8	.0	.0	.0	.2	.5	.2
7	100.0	.0	.0	.2	.2	.0	.0
10	99.8	.0	.2	.2	.2	.2	.2
13	99.8	.2	.5	.5	.0	.0	.2
16	99.5	.0	.0	.0	.2	.2	.5
19	100.0	.2	.2	.2	.0	.0	.0
22	99.8	.0	.0	.0	.0	.2	.2

JULY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	5.3	87.0	82.6	73.9	73.9	60.9	52.2	47.8	47.8	26.1	26.1
4	5.5	100.0	79.2	79.2	70.8	50.0	54.2	37.5	25.0	25.0	20.8
7	12.4	87.0	70.4	68.5	51.9	48.1	37.0	22.2	24.1	20.4	42.6
10	12.0	86.5	67.3	63.5	57.7	48.1	25.0	26.9	23.1	44.2	36.5
13	12.9	85.7	69.6	75.0	57.1	26.8	26.8	25.0	37.5	35.7	37.5
16	19.1	81.9	65.1	51.8	22.9	20.5	19.3	31.3	27.7	30.1	38.6
19	17.1	56.8	37.8	27.0	27.0	23.0	36.5	29.7	25.7	39.2	33.8
22	5.5	66.7	66.7	66.7	50.0	70.8	58.3	54.2	58.3	50.0	29.2

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	94.7	.7	.7	1.7	9.0	9.2	10.7	17.5	15.4	4.4	4.4
4	94.5	4.4	7.8	8.5	8.5	10.7	17.1	15.9	4.4	4.4	4.9
7	87.6	2.4	3.4	3.9	7.4	15.0	14.3	3.2	2.9	3.7	8.7
10	88.0	2.6	3.9	6.0	13.9	12.9	2.9	2.6	3.4	8.6	8.9
13	87.1	3.2	7.7	10.8	11.2	2.4	2.4	2.9	9.3	8.7	9.5
16	80.9	6.3	10.9	8.9	1.4	2.0	2.6	8.5	8.5	9.1	14.8
19	82.9	1.7	1.1	1.1	1.1	2.2	8.1	8.7	10.6	15.4	13.5
22	94.5	1.2	1.7	2.0	3.2	9.5	9.5	10.7	17.1	15.2	4.6

JULY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	50.0	.0	50.0	50.0	50.0	.0
13	1.8	75.0	62.5	87.5	62.5	.0	12.5
16	6.2	66.7	51.9	33.3	7.4	.0	18.5
19	7.2	25.8	6.5	3.2	.0	.0	19.4
22	.5	50.0	.0	.0	.0	.0	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.3	87.0	78.3	69.6	73.9	52.2	26.1
4	5.3	100.0	78.3	78.3	69.6	56.5	21.7
7	12.4	85.2	68.5	66.7	51.9	35.2	42.6
10	11.3	87.8	71.4	65.3	55.1	24.5	36.7
13	11.3	85.7	65.3	67.3	55.1	30.6	38.8
16	13.6	81.4	66.1	57.6	30.5	23.7	35.6
19	10.2	77.3	56.8	43.2	45.5	52.3	40.9
22	5.3	65.2	69.6	69.6	47.8	56.5	30.4

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	100.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	100.0	100.0	.0	.0
4	.2	100.0	100.0	100.0	100.0	.0	.0
7	.2	100.0	100.0	100.0	.0	.0	.0
10	.2	100.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	.0	.0	100.0	.0
16	.5	50.0	50.0	50.0	.0	.0	.0
19	.7	33.3	.0	.0	.0	.0	33.3
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.5	50.0	.0	.0	.0	.0	.0
16	1.2	60.0	20.0	.0	.0	.0	.0
19	.2	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	.0	33.3	33.3	.0	.0
4	.9	25.0	50.0	75.0	25.0	.0	25.0
7	1.2	80.0	60.0	20.0	.0	.0	20.0
10	.2	.0	.0	.0	.0	.0	.0
13	.5	.0	.0	.0	.0	.0	.0
16	.5	.0	.0	.0	.0	.0	.0
19	.5	50.0	50.0	.0	50.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

JULY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	1.8	.0
4	100.0	.2	.0	.0	.5	6.2	.0
7	100.0	.0	.0	.5	1.8	7.2	.0
10	99.5	.9	.9	1.6	6.0	.2	.5
13	98.2	.9	3.1	4.7	6.1	.0	1.6
16	93.8	5.2	8.6	5.4	.0	.0	5.4
19	92.8	.5	.2	.2	.0	.0	6.0
22	99.5	.2	.2	.0	.0	.5	.5

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.7	.7	.7	1.7	9.0	9.0	4.4
4	94.7	4.1	7.3	8.8	8.0	11.2	4.6
7	87.6	2.4	3.4	3.4	5.5	6.6	8.7
10	88.7	1.8	3.1	4.4	8.3	2.9	8.3
13	88.7	2.3	4.2	6.8	4.4	2.3	8.1
16	86.4	.5	1.6	2.7	1.3	2.7	10.4
19	89.8	1.0	.8	1.0	1.0	8.5	6.7
22	94.7	1.0	1.5	1.9	3.2	9.0	4.4

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.2	.0	.0
7	100.0	.0	.0	.2	.0	.0	.0
10	99.8	.0	.0	.0	.0	.0	.2
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.2	.0

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.0	.2	.2
4	99.8	.2	.5	.0	.0	.5	.2
7	99.8	.0	.0	.0	.2	.7	.2
10	99.8	.0	.0	.2	.5	.0	.2
13	99.8	.5	.7	.5	.7	.0	.2
16	99.5	.0	.0	.5	.0	.2	.5
19	99.3	.0	.0	.0	.2	.2	.5
22	100.0	.0	.0	.2	.2	.2	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	.2	.5	.0
4	99.8	.2	.0	.2	.0	1.2	.2
7	99.8	.0	.0	.0	.5	.2	.2
10	100.0	.0	.0	.5	1.2	.0	.0
13	99.5	.0	.5	1.2	.2	.0	.5
16	98.8	.2	.2	.2	.0	.2	1.2
19	99.8	.0	.0	.0	.0	.2	.2
22	100.0	.0	.2	.0	.2	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	.2	.7	.9	.5	.7
4	99.1	.7	.5	.5	.0	.5	.7
7	98.8	.0	.0	.0	.5	.5	.9
10	99.8	.0	.5	.5	.5	.0	.2
13	99.5	.2	.2	.5	.5	.7	.5
16	99.5	.9	.5	.5	.0	.9	.5
19	99.5	.2	.0	.0	.5	1.2	.5
22	100.0	.0	.5	.7	.9	.2	.0

AUGUST

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	5.3	82.6	60.9	69.6	47.8	39.1	34.8	43.5	17.4	.0	21.7
4	5.5	79.2	66.7	62.5	54.2	45.8	50.0	25.0	8.3	16.7	20.8
7	10.4	73.3	62.2	51.1	45.5	53.3	24.4	11.1	15.6	15.6	26.7
10	9.2	77.5	60.0	53.8	62.5	32.5	17.5	15.0	20.0	22.5	17.5
13	12.0	78.8	78.8	73.1	32.7	19.6	15.4	17.3	26.9	19.2	32.7
16	18.9	81.5	58.5	36.6	13.6	11.0	13.4	22.0	19.8	31.7	41.5
19	10.1	54.5	44.2	31.8	22.7	18.2	31.8	23.3	36.4	50.0	25.0
22	5.3	73.9	52.2	47.8	34.8	43.5	36.4	39.1	43.5	13.0	4.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	94.7	.7	1.0	1.9	8.3	7.6	10.7	17.5	9.7	5.6	4.4
4	94.5	5.1	6.8	7.3	6.6	10.0	17.1	9.3	5.1	4.6	4.4
7	89.6	2.8	3.9	4.4	8.2	14.9	8.5	4.6	4.1	4.1	8.5
10	90.8	3.1	3.6	7.6	14.2	7.9	4.1	4.3	3.8	9.2	8.4
13	88.0	3.9	5.8	11.5	7.1	3.4	3.9	3.7	8.1	7.9	9.2
16	81.1	5.7	8.2	4.0	3.4	4.0	3.4	7.7	6.8	7.4	14.2
19	89.9	1.5	1.8	2.3	3.3	3.8	7.9	7.7	9.3	15.9	9.0
22	94.7	.7	1.7	2.7	3.7	8.5	7.8	10.3	17.8	10.2	5.1

AUGUST

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	.0	.0	50.0	100.0	.0	.0
13	1.6	57.1	71.4	71.4	.0	.0	14.3
16	6.9	82.8	43.3	16.7	.0	.0	26.7
19	1.8	12.5	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	81.0	61.9	71.4	47.6	38.1	23.8
4	5.1	86.4	72.7	68.2	59.1	54.5	18.2
7	9.4	73.2	63.4	51.2	47.5	26.8	24.4
10	8.3	80.6	61.1	54.3	58.3	19.4	16.7
13	9.9	79.1	74.4	65.1	34.9	16.3	30.2
16	12.0	80.8	61.5	44.2	21.6	19.2	34.6
19	7.4	65.6	54.8	40.6	28.1	37.5	28.1
22	5.1	77.3	54.5	50.0	36.4	38.1	4.5

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	100.0	50.0	50.0	50.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.9	75.0	50.0	50.0	25.0	.0	.0
10	.5	50.0	50.0	50.0	.0	.0	.0
13	.5	50.0	50.0	50.0	50.0	.0	.0
16	.5	100.0	100.0	100.0	.0	.0	.0
19	1.2	40.0	40.0	20.0	20.0	40.0	.0
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.5	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.7	66.7	33.3	33.3	.0	.0	33.3
16	1.6	42.9	.0	.0	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.2	100.0	100.0	100.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.5	50.0	.0	.0	.0	50.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.7	33.3	.0	33.3	.0	.0	.0
13	.9	75.0	25.0	.0	.0	.0	25.0
16	1.6	14.3	14.3	.0	.0	.0	.0
19	.5	.0	.0	.0	.0	.0	.0
22	.2	100.0	100.0	100.0	.0	.0	.0

AUGUST

EAFB LANDING PROBABILITIES

ROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS OT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.5	.5	.0	.0	1.6	.0
4	100.0	.2	.0	.0	.5	6.9	.0
7	100.0	.0	.0	.5	1.6	1.8	.0
10	99.5	.5	.7	1.4	6.5	.0	.5
13	98.4	1.4	.9	5.9	1.9	.0	1.4
16	93.1	3.0	4.7	.7	.0	.0	5.9
19	98.2	.0	.2	.0	.0	.0	2.1
22	100.0	.0	.0	.0	.0	.5	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	.5	.7	1.7	7.5	8.5	3.9
4	94.9	4.4	6.1	6.3	5.6	9.7	4.1
7	90.6	2.8	3.6	3.8	6.1	5.3	7.6
10	91.7	2.5	3.0	5.8	7.6	3.8	7.6
13	90.1	2.8	4.6	6.2	4.4	3.6	7.7
16	88.0	2.4	2.4	2.4	2.9	2.9	8.9
19	92.6	.7	1.5	2.2	3.0	7.0	6.0
22	94.9	.7	1.5	2.2	3.2	6.8	4.9

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.2	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.2	.0	.0
13	100.0	.0	.2	.2	.0	.0	.0
16	99.8	.0	.0	.0	.0	.0	.2
19	100.0	.2	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.7	.5	.5
4	99.8	.7	.7	.9	.5	.5	.2
7	99.1	.2	.2	.0	.2	1.2	.9
10	99.5	.0	.0	.2	.5	.2	.5
13	99.5	.5	.2	.2	.9	.5	.5
16	99.5	.7	.9	.7	.2	.2	.5
19	98.8	.0	.0	.0	.2	.5	1.2
22	99.8	.0	.2	.5	.2	.5	.2

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.2	.5	.0	.7	.2
4	99.5	.2	.2	.0	.2	1.6	.5
7	100.0	.0	.2	.2	.7	.5	.0
10	99.8	.2	.2	.7	1.6	.2	.2
13	99.3	1.4	1.4	1.4	.5	.2	.5
16	98.4	1.4	.2	.5	.2	.5	1.6
19	99.5	.7	.5	.2	.2	.0	.5
22	99.8	.2	.2	.0	.5	.2	.2

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	.2	.5	.2	.9	.2
4	99.5	.0	.7	.2	.7	1.4	.5
7	99.8	.0	.5	.7	.9	.5	.5
10	99.3	.0	.0	.7	1.6	.2	.7
13	99.1	.5	.7	1.6	.5	.2	.9
16	98.4	.2	.5	.5	.2	.5	1.6
19	99.5	.5	.5	.2	.2	.5	.5
22	99.8	.2	.2	.0	.5	.7	.2

SEPTEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	5.2	90.9	72.7	68.2	86.4	72.7	59.1	59.1	54.5	54.5	36.4
4	4.8	90.0	85.0	85.0	75.0	50.0	50.0	45.0	45.0	35.0	40.0
7	11.9	84.0	66.0	60.0	50.0	54.0	30.0	28.0	22.0	20.0	34.0
10	10.2	69.8	67.4	62.8	65.1	34.9	32.6	23.3	23.3	30.2	30.2
13	10.7	82.2	82.2	84.4	40.0	28.9	26.7	24.4	40.0	37.8	26.7
16	18.8	74.7	51.9	32.9	22.8	17.7	16.5	26.6	26.6	25.3	38.0
19	8.1	64.7	61.8	50.0	47.1	44.1	52.9	41.2	35.3	50.0	32.4
22	5.5	82.6	60.9	69.6	56.5	65.2	52.2	43.5	39.1	30.4	30.4

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	94.8	1.0	1.0	1.3	7.8	6.8	8.0	16.6	5.5	2.8	3.8
4	95.2	2.5	5.7	8.2	7.0	8.8	17.2	6.3	3.5	4.0	3.5
7	88.1	1.1	1.9	3.5	5.4	14.1	5.1	2.4	3.2	3.2	9.2
10	89.8	3.2	4.0	4.8	13.5	5.0	2.4	3.4	3.2	10.1	8.2
13	89.3	5.1	9.6	10.9	4.3	2.7	2.9	2.9	8.8	7.2	8.8
16	81.2	4.1	3.5	2.3	1.5	2.6	2.6	8.8	6.7	7.3	14.1
19	91.9	1.0	.8	1.6	1.8	1.8	8.5	7.8	8.5	15.8	5.7
22	94.5	.8	2.0	1.8	2.3	9.1	8.1	8.8	17.4	6.5	4.0

SEPTEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	100.0	.0
7	.5	100.0	.0	50.0	50.0	.0	.0
10	1.2	40.0	80.0	80.0	100.0	.0	.0
13	2.4	70.0	70.0	70.0	.0	.0	.0
16	7.4	67.7	32.3	12.9	3.2	.0	19.4
19	1.9	25.0	25.0	12.5	12.5	.0	.0
22	.2	100.0	.0	100.0	.0	.0	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.8	90.0	70.0	70.0	90.0	55.0	40.0
4	4.3	88.9	88.9	88.9	77.8	44.4	44.4
7	9.3	87.2	76.9	66.7	48.7	30.8	33.3
10	7.9	69.7	60.6	54.5	57.6	39.4	36.4
13	7.1	86.7	80.0	80.0	53.3	40.0	30.0
16	10.0	83.3	64.3	47.6	38.1	31.0	35.7
19	5.7	75.0	70.8	58.3	58.3	70.8	33.3
22	5.0	81.0	66.7	71.4	61.9	52.4	33.3

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	100.0	100.0	100.0	100.0	100.0	50.0
4	1.0	100.0	100.0	75.0	75.0	.0	25.0
7	.7	100.0	100.0	100.0	66.7	.0	33.3
10	.7	66.7	66.7	66.7	.0	.0	33.3
13	.7	33.3	33.3	.0	.0	33.3	33.3
16	.2	100.0	.0	.0	.0	.0	.0
19	.2	100.0	100.0	100.0	100.0	100.0	.0
22	.2	100.0	100.0	100.0	100.0	100.0	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	100.0	100.0	50.0	.0	.0	50.0
4	.5	100.0	50.0	50.0	.0	.0	.0
7	2.4	50.0	20.0	20.0	10.0	10.0	30.0
10	1.0	50.0	50.0	50.0	50.0	.0	.0
13	.7	100.0	66.7	66.7	.0	.0	.0
16	1.2	40.0	20.0	.0	.0	.0	.0
19	.7	33.3	.0	.0	.0	33.3	.0
22	.2	100.0	100.0	100.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.7	33.3	66.7	66.7	33.3	.0	33.3
16	1.2	60.0	20.0	20.0	.0	.0	40.0
19	1.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	100.0	66.7	66.7	33.3	33.3	33.3
4	1.2	80.0	60.0	40.0	60.0	20.0	.0
7	.7	66.7	33.3	33.3	33.3	33.3	.0
10	1.0	50.0	100.0	75.0	25.0	25.0	.0
13	1.2	60.0	60.0	40.0	40.0	20.0	.0
16	1.2	100.0	40.0	40.0	40.0	.0	20.0
19	1.2	60.0	60.0	60.0	40.0	.0	20.0
22	1.0	100.0	50.0	50.0	25.0	.0	25.0

SEPTEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.2	.5	2.4	.2
4	99.8	.2	.0	.5	1.2	7.2	.2
7	99.5	.0	.0	1.0	2.2	1.9	.5
10	98.8	.2	1.0	1.4	6.3	.2	1.2
13	97.6	1.7	4.1	5.9	2.0	.2	2.4
16	92.6	2.1	1.5	1.0	.0	.3	5.9
19	98.1	.2	.2	.0	.0	.5	1.7
22	99.8	.0	.2	.0	.2	1.2	.2

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.2	1.0	1.0	1.0	5.2	4.7	3.2
4	95.7	2.2	4.5	5.7	4.7	8.5	3.0
7	90.7	.8	1.6	1.8	2.9	3.1	7.1
10	92.1	2.6	2.3	3.1	5.9	2.1	5.4
13	92.9	2.8	5.4	4.6	2.1	2.3	5.4
16	90.0	1.9	1.9	1.1	1.3	1.9	7.4
19	94.3	.8	.8	1.8	1.8	5.8	4.0
22	95.0	.8	1.5	1.5	1.8	5.5	3.5

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.5	.2	.2	.2
4	99.0	.0	.0	.0	.0	.2	.7
7	99.3	.0	.2	.0	.2	.2	.5
10	99.3	.2	.2	.2	.2	.2	.5
13	99.3	.0	.2	.2	.2	.2	.5
16	99.8	.2	.2	.2	.2	1.0	.2
19	99.8	.0	.0	.0	.2	.5	.2
22	99.8	.2	.2	.2	.7	.5	.2

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.2	.2	.2	2.4	.7	.2
4	99.5	.0	1.7	2.2	1.0	1.2	.5
7	97.6	.5	.2	.5	.5	.5	2.2
10	99.0	.7	.7	.2	.7	.2	1.4
13	99.3	.5	.5	.7	.7	.5	.7
16	98.8	.2	.5	.7	.2	.5	1.2
19	99.3	.0	.0	.2	.5	2.6	.7
22	99.8	.2	.2	.2	.5	1.4	.2

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	.0	.7	.0
4	99.8	.2	.0	.0	.0	1.2	.2
7	100.0	.0	.0	.0	.7	1.0	.0
10	100.0	.0	.2	.7	1.2	.0	.0
13	99.3	.0	.2	.7	.7	.0	.5
16	98.8	.5	.7	.7	.0	.2	.7
19	99.0	.2	.2	.0	.0	.0	1.0
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.0	.2	.7	.5	1.0	.7
4	98.8	.5	.0	.2	.2	1.0	1.4
7	99.3	.2	1.0	.7	1.0	1.0	.5
10	99.0	.0	.2	.5	1.0	.7	1.0
13	98.8	.5	1.0	.7	.7	.7	1.0
16	98.8	1.0	1.0	.7	.5	1.4	1.0
19	98.8	.0	.0	.2	.5	.5	1.0
22	99.0	.2	.7	.5	1.2	1.0	.7

OCTOBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	10.1	75.0	52.3	54.5	65.9	59.1	38.6	50.0	29.5	22.7	18.2
4	10.8	70.2	76.6	74.5	70.2	55.3	53.2	25.5	25.5	23.4	25.5
7	23.7	76.7	69.9	61.2	52.4	50.5	30.1	23.3	16.5	14.6	32.0
10	23.0	77.0	71.0	65.0	65.0	32.0	24.0	19.0	22.0	39.0	34.0
13	21.7	89.4	80.9	76.6	41.5	31.9	21.3	22.3	40.4	37.2	35.1
16	29.8	78.3	64.3	45.7	24.8	17.8	20.9	37.2	34.9	35.7	42.2
19	18.0	70.5	60.3	46.2	24.4	23.1	41.0	41.0	34.6	40.3	29.5
22	12.7	70.9	60.0	45.5	34.5	54.5	54.5	41.8	52.7	27.3	14.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	89.9	3.8	4.1	5.9	19.0	19.0	19.7	27.5	16.7	11.5	9.2
4	89.2	4.1	12.1	17.6	17.3	17.6	26.9	17.1	11.1	8.5	9.3
7	76.3	4.5	6.6	11.2	12.1	23.3	14.2	9.4	8.2	10.0	21.1
10	77.0	3.0	6.0	8.7	19.2	13.8	9.3	7.5	7.8	19.2	20.4
13	78.3	8.5	12.9	16.8	11.5	7.4	7.1	7.9	19.1	19.8	19.1
16	70.2	7.0	7.9	6.3	7.6	6.9	6.9	18.1	18.8	17.1	25.3
19	82.0	2.5	3.9	5.3	7.0	8.4	19.9	19.7	19.9	28.1	16.0
22	87.3	2.4	3.4	5.0	7.7	19.3	19.0	19.8	27.0	17.2	12.9

OCTOBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	83.3	33.3	50.0	33.3	16.7	16.7
4	1.2	60.0	60.0	60.0	80.0	60.0	20.0
7	.9	50.0	75.0	50.0	50.0	.0	.0
10	3.0	76.9	84.6	76.9	84.6	7.7	15.4
13	3.9	64.7	76.5	58.8	5.9	11.8	17.6
16	8.1	57.1	34.3	14.3	11.4	8.6	20.6
19	1.6	28.6	14.3	42.9	14.3	.0	.0
22	.9	25.0	.0	.0	.0	75.0	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.7	69.0	51.7	51.7	48.3	48.3	17.2
4	7.6	60.6	69.7	69.7	69.7	48.5	18.2
7	16.6	76.4	70.8	69.4	61.1	36.1	22.2
10	17.7	77.9	70.1	63.6	58.4	23.4	26.0
13	18.0	89.7	75.6	69.2	43.6	16.7	32.1
16	21.5	81 7	68.8	51.6	24.7	16.1	31.5
19	14.5	74.6	63.5	47.6	22.2	34.9	25.4
22	10.4	68.9	57.8	40.0	28.9	48.9	15.6

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.5	100.0	100.0	100.0	.0	.0	.0
10	.7	100.0	66.7	33.3	33.3	.0	33.3
13	.5	100.0	100.0	100.0	50.0	.0	.0
16	.5	50.0	50.0	50.0	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	80.0	70.0	70.0	60.0	10.0	10.0
4	2.5	90.9	90.9	81.8	36.4	9.1	9.1
7	8.3	77.8	61.1	33.3	.0	5.6	25.0
10	3.9	58.8	23.5	11.8	11.8	11.8	29.4
13	.9	100.0	75.0	75.0	25.0	.0	25.0
16	2.5	54.5	45.5	36.4	18.2	18.2	18.2
19	2.3	60.0	40.0	30.0	30.0	20.0	20.0
22	1.8	100.0	87.5	75.0	62.5	25.0	.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	66.7	.0	.0	.0	.0
4	1.4	33.3	50.0	33.3	16.7	.0	.0
7	1.4	16.7	16.7	16.7	.0	16.7	.0
10	[illegible]	50.0	.0	.0	.0	50.0	.0
13	[illegible]	100.0	100.0	100.0	100.0	.0	.0
16	[illegible]	50.0	37.5	37.5	.0	12.5	.0
19	1.8	50.0	37.5	25.0	.0	.0	.0
22	.7	33.3	33.3	.0	33.3	33.3	.0

OCTOBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.2	.2	.5	.5	3.7	1.2
4	98.8	.5	1.2	.2	2.1	7.5	.9
7	99.1	1.2	1.2	2.6	3.5	1.6	.9
10	97.0	.5	1.7	1.7	5.7	.7	2.6
13	96.1	3.6	5.3	6.0	1.4	1.0	3.4
16	91.9	2.8	1.3	.5	.0	.5	7.0
19	98.4	.7	.5	.2	1.2	.9	1.6
22	99.1	.7	.2	1.4	1.2	2.3	.9

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.3	3.5	3.5	4.4	14.3	15.8	5.9
4	92.4	3.2	6.5	12.2	13.5	19.2	7.0
7	83.4	3.0	5.2	7.5	9.4	10.2	15.5
10	84.3	3.1	5.3	8.1	13.5	7.6	16.9
13	82.0	6.5	8.1	11.0	8.1	4.5	16.0
16	78.5	5.0	5.6	4.4	6.5	5.6	19.4
19	85.5	2.2	3.5	4.0	4.0	13.5	12.9
22	89.6	1.3	2.1	2.8	5.4	14.9	10.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.2	.5	.5	.0
4	99.8	.0	.7	.5	.7	.5	.2
7	99.5	.2	.0	.2	.5	.5	.5
10	99.3	.0	.2	.2	.2	.0	.5
13	99.5	.2	.2	.0	.2	.0	.5
16	99.5	.0	.2	.2	.0	.2	.5
19	99.5	.0	.0	.0	.0	.5	.5
22	100.0	.0	.2	.0	.2	.7	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.2	.2	.9	7.1	.7	2.1
4	97.5	.7	5.9	6.4	3.1	2.4	2.4
7	91.7	.5	.8	1.3	1.0	2.0	6.8
10	96.1	.5	.7	.5	2.2	1.4	2.4
13	99.1	.5	.5	1.9	2.1	2.3	.7
16	97.5	.5	1.7	1.4	1.4	2.1	2.1
19	97.7	.2	.2	1.2	1.7	8.0	2.1
22	98.2	.5	.7	.9	1.4	3.1	2.1

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.2	.0	.0	.0	.2	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.2	.2	.0	.2	.0	.0
13	100.0	.5	.2	.2	.0	.0	.0
16	99.8	.2	.2	.0	.0	.0	.2
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.7	1.4	1.4	.2	.5
4	98.6	.5	.9	.9	.2	1.9	1.2
7	98.6	.2	.5	.2	.2	1.6	1.4
10	99.5	.5	.7	.2	1.9	.5	.5
13	99.8	.5	1.6	1.6	1.6	.5	.2
16	98.2	.2	.9	1.2	.7	.9	1.9
19	98.2	.5	.7	.2	.5	1.4	1.9
22	99.3	.2	.5	.5	.9	.2	.7

NOVEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	22.1	86.0	69.9	58.1	59.1	65.6	64.5	65.6	40.9	40.9	30.1
4	18.6	84.6	83.3	75.6	83.3	78.2	69.2	51.3	44.9	41.0	41.0
7	27.9	90.6	84.5	84.6	77.8	72.6	48.7	42.7	35.9	27.4	35.9
10	36.3	86.8	78.9	82.9	71.7	48.0	43.4	38.2	26.3	38.2	44.7
13	39.8	85.6	82.6	75.4	46.1	40.7	34.7	25.1	37.7	45.5	48.5
16	41.7	76.0	58.9	51.4	43.4	40.0	28.6	40.6	48.6	48.6	53.7
19	24.3	82.4	70.6	63.7	52.0	41.2	52.9	59.8	59.8	57.8	38.2
22	22.9	78.1	68.8	70.8	49.0	52.1	63.5	62.5	60.4	37.5	39.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	77.9	4.0	4.9	7.3	19.0	27.9	32.7	34.9	19.6	17.7	20.2
4	81.4	2.9	10.8	17.0	25.5	31.0	35.4	18.1	17.8	18.1	13.2
7	72.1	7.6	13.5	17.5	25.1	29.7	14.9	15.2	17.2	14.9	25.1
10	63.7	6.7	12.0	15.4	24.7	10.9	10.9	13.1	13.5	22.5	31.8
13	60.2	8.3	15.0	19.4	9.9	11.1	14.2	13.8	21.7	30.4	34.4
16	58.3	8.6	5.3	4.9	8.2	9.8	11.0	19.2	27.8	33.9	33.5
19	75.7	6.3	8.5	9.7	12.9	11.0	20.1	28.9	33.6	36.8	20.1
22	77.1	4.0	4.3	8.0	9.3	21.0	28.4	33.3	36.4	20.7	18.5

NOVEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	50.0	16.7	16.7	.0	.0	.0
4	.7	33.3	33.3	.0	66.7	66.7	33.3
7	1.0	25.0	25.0	25.0	50.0	25.0	.0
10	2.4	50.0	40.0	70.0	50.0	.0	.0
13	5.0	57.1	57.1	61.9	19.0	14.3	.0
16	7.1	30.0	26.7	13.3	13.3	6.7	13.3
19	1.4	33.3	33.3	16.7	16.7	.0	.0
22	1.7	28.6	28.6	42.9	.0	28.6	14.3

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	19.0	86.2	71.2	61.2	60.0	60.0	32.5
4	16.7	84.3	81.4	77.1	78.6	71.4	37.1
7	24.3	93.1	86.1	85.3	77.5	50.0	32.4
10	31.7	87.2	78.9	83.5	71.4	42.1	44.4
13	35.2	87.2	82.4	73.6	46.6	32.4	45.9
16	35.5	80.5	61.1	53.7	43.0	28.9	49.7
19	21.9	84.8	71.7	63.0	50.0	53.3	38.0
22	19.5	80.5	72.0	70.7	51.2	57.3	34.1

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	42.9	57.1	57.1	57.1	71.4	14.3
4	1.9	87.5	75.0	87.5	100.0	75.0	12.5
7	2.4	90.0	100.0	90.0	70.0	30.0	.0
10	4.3	77.8	72.2	77.8	55.6	38.9	27.8
13	4.8	65.0	60.0	65.0	30.0	10.0	5.0
16	5.0	76.2	61.9	38.1	38.1	9.5	23.8
19	2.9	75.0	83.3	75.0	25.0	8.3	16.7
22	3.1	53.8	46.2	30.8	15.4	38.5	30.8

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.1	76.9	69.2	53.8	69.2	38.5	.0
4	2.9	83.3	91.7	75.0	41.7	25.0	8.3
7	6.4	74.1	69.2	48.1	29.6	18.5	25.9
10	5.3	90.9	59.1	45.5	31.8	13.6	18.2
13	3.3	71.4	50.0	50.0	42.9	14.3	14.3
16	3.1	84.6	46.2	46.2	23.1	15.4	15.4
19	2.4	90.0	80.0	60.0	50.0	30.0	20.0
22	2.9	75.0	66.7	66.7	50.0	41.7	25.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.5	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	88.9	88.9	66.7	44.4	44.4	11.1
4	2.6	81.8	81.8	54.5	45.5	54.5	27.3
7	2.4	80.0	80.0	70.0	50.0	20.0	10.0
10	3.1	46.2	46.2	53.8	38.5	30.8	15.4
13	3.3	71.4	64.3	71.4	35.7	14.3	.0
16	4.3	61.1	50.0	44.4	50.0	16.7	22.2
19	2.6	63.6	81.8	63.6	18.2	.0	9.1
22	3.3	42.9	35.7	35.7	21.4	21.4	28.6

NOVEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRI1.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.2	.2	.5	1.0	5.1	1.7
4	99.3	.5	.7	1.0	1.9	6.7	.5
7	99.0	.5	1.2	2.2	4.6	1.2	1.4
10	97.6	1.5	2.7	3.4	6.1	1.7	2.7
13	95.0	1.8	3.5	4.3	.5	1.0	5.3
16	92.9	2.3	1.3	.5	.8	.3	6.7
19	98.6	.5	1.0	1.4	1.4	1.4	1.7
22	98.3	1.0	1.5	1.0	.7	2.2	1.9

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	81.0	3.5	3.8	6.2	15.9	29.4	15.3
4	83.3	2.0	8.9	13.7	22.3	28.3	12.0
7	75.7	6.9	11.9	14.5	21.7	12.9	22.3
10	68.3	5.6	8.4	12.9	18.9	8.7	25.9
13	64.8	6.6	11.4	14.7	8.5	11.0	29.8
16	64.5	4.1	3.3	4.4	6.6	9.2	28.0
19	78.1	5.5	6.4	7.3	9.8	16.8	18.0
22	80.5	2.7	2.7	5.9	7.7	25.4	16.6

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	.5	1.2	1.0	1.5	3.6	1.5
4	98.1	1.0	1.5	.7	2.4	3.6	1.7
7	97.6	.2	1.5	2.2	3.2	2.2	2.4
10	95.7	1.0	1.7	1.5	2.7	1.5	3.2
13	95.2	1.3	2.2	2.0	1.5	1.3	4.7
16	95.0	1.0	.8	1.0	1.3	1.5	4.0
19	97.1	.2	1.0	1.0	1.0	2.2	2.5
22	96.9	.5	.5	.7	1.5	3.2	2.2

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.9	.2	.5	1.2	4.4	2.2	3.4
4	97.1	1.0	2.2	4.4	4.2	2.5	2.9
7	93.6	1.0	2.0	2.3	1.5	1.3	4.8
10	94.7	1.3	1.0	1.0	1.5	2.3	4.8
13	96.7	.7	1.2	1.5	1.0	3.0	3.2
16	96.9	1.7	1.5	1.0	2.2	2.7	2.7
19	97.6	.7	.7	1.5	2.2	5.6	1.7
22	97.1	.0	.2	1.5	1.7	4.4	2.0

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.2	.0	.0	.5	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.5	.0	.0
13	100.0	.0	.0	.5	.0	.0	.0
16	99.5	.0	.0	.0	.0	.0	.5
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.2	.5	1.2	1.5	2.4	2.2
4	97.4	1.0	2.2	1.0	2.0	2.9	2.0
7	97.6	1.0	1.0	1.5	2.2	2.2	2.2
10	96.9	.5	.7	1.7	3.2	2.5	2.7
13	96.7	.5	1.0	2.0	1.5	2.0	3.4
16	95.7	.2	.2	.7	1.2	2.0	3.5
19	97.4	.5	.2	1.7	2.0	2.4	2.7
22	96.7	.0	1.0	1.2	2.0	2.5	2.5

DECEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	19.6	89.4	81.2	74.1	72.9	65.9	67.1	62.4	49.4	42.4	45.9
4	19.6	90.6	77.6	76.5	68.2	64.7	61.2	48.2	43.5	43.5	44.7
7	28.1	86.9	82.8	70.5	65.6	59.8	50.0	43.4	36.9	36.1	45.9
10	34.3	89.9	83.2	79.9	63.8	51.0	44.3	37.6	38.9	49.0	49.7
13	38.5	86.2	76.6	69.5	49.1	44.9	35.9	35.9	46.1	49.1	51.5
16	36.6	79.1	69.8	62.9	47.8	42.1	40.9	48.4	47.8	49.1	47.2
19	25.6	80.2	64.0	64.9	54.1	50.5	55.9	53.2	54.1	50.5	37.8
22	21.2	84.8	69.6	67.4	60.9	69.6	56.5	60.9	58.7	44.6	37.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	80.4	3.2	4.3	6.3	17.2	26.7	31.6	30.5	19.9	16.1	13.3
4	80.4	4.3	7.4	16.3	26.1	32.1	30.7	20.1	15.8	13.8	13.8
7	71.9	12.2	17.6	20.2	27.9	27.6	16.1	12.5	12.9	13.5	21.2
10	65.7	6.0	11.2	16.8	22.5	12.3	9.1	10.2	9.8	17.2	26.0
13	61.5	8.2	14.2	16.1	10.9	6.4	9.4	9.7	16.9	24.7	28.8
16	63.4	4.4	4.0	4.0	5.8	6.6	7.6	16.4	26.2	30.9	30.2
19	74.4	2.5	5.3	6.2	7.8	9.3	18.6	27.6	32.0	31.4	20.9
22	78.8	3.2	6.7	6.7	8.8	17.0	28.1	31.3	30.4	20.2	16.4

DECEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	60.0	20.0	20.0	40.0	20.0	.0
4	.9	50.0	50.0	50.0	.0	50.0	25.0
7	1.8	25.0	25.0	37.5	37.5	12.5	25.0
10	1.8	50.0	50.0	50.0	50.0	12.5	.0
13	4.1	83.3	83.3	66.7	16.7	5.6	11.1
16	5.3	52.2	43.5	26.1	8.7	4.3	8.7
19	2.1	33.3	33.3	22.2	11.1	11.1	.0
22	2.3	60.0	30.0	30.0	10.0	10.0	.0

CRITERIA TWO CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	17.3	92.0	85.3	78.7	73.3	61.3	44.0
4	17.7	89.6	75.3	79.2	68.8	59.7	41.6
7	25.8	87.5	81.3	71.4	62.5	48.2	42.9
10	32.3	89.3	83.6	77.1	62.1	42.1	45.7
13	34.3	86.6	75.8	69.8	51.7	35.6	47.0
16	32.0	82.6	71.2	66.9	49.6	42.4	42.4
19	23.6	81.4	67.6	67.6	54.9	57.8	38.2
22	18.7	87.7	70.4	65.4	63.0	55.6	35.8

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.2	85.7	85.7	71.4	64.3	42.9	14.3
4	4.1	77.8	61.1	55.6	44.4	27.8	22.2
7	4.6	75.0	75.0	60.0	50.0	25.0	10.0
10	4.1	83.3	72.2	66.7	44.4	22.2	11.1
13	5.1	86.4	72.7	59.1	31.8	18.2	22.7
16	5.3	86.4	60.9	47.8	30.4	21.7	26.1
19	3.5	46.7	40.0	46.7	46.7	33.3	13.3
22	2.5	100.0	72.7	63.6	45.5	45.5	36.4

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	90.0	90.0	90.0	60.0	40.0	.0
4	2.5	90.9	81.8	63.6	36.4	9.1	9.1
7	4.4	68.4	47.4	42.1	21.1	10.5	15.8
10	3.0	69.2	46.2	38.5	15.4	15.4	23.1
13	2.5	18.2	27.3	36.4	27.3	18.2	18.2
16	1.6	83.3	57.1	57.1	57.1	71.4	14.3
19	1.4	66.7	50.0	66.7	66.7	33.3	16.7
22	1.6	85.7	85.7	85.7	71.4	42.9	.0

CRITERIA FIVE THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.8	50.0	33.3	33.3	16.7	25.0	.0
4	2.1	55.6	33.3	11.1	.0	33.3	11.1
7	2.1	66.7	44.4	22.2	22.2	.0	11.1
10	.7	100.0	100.0	33.3	66.7	.0	.0
13	1.8	62.5	50.0	62.5	12.5	25.0	.0
16	2.8	72.7	33.3	16.7	16.7	16.7	.0
19	.9	50.0	25.0	25.0	100.0	50.0	.0
22	.9	50.0	50.0	50.0	50.0	.0	.0

DECEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.5	.5	.7	1.4	4.0	.9
4	99.1	.7	1.4	1.4	1.9	4.9	.7
7	98.2	.9	1.2	1.2	3.5	1.9	.9
10	98.2	1.4	1.6	3.3	4.5	2.1	1.6
13	95.9	2.9	3.8	2.6	1.4	.7	3.8
16	94.7	1.5	.5	.7	1.9	.7	5.4
19	97.9	.9	1.4	1.9	.7	1.2	2.1
22	97.7	.7	1.2	.2	.7	1.4	1.9

CRITERIA TWO — CLOUDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	82.7	2.2	3.4	5.0	15.9	28.8	12.6
4	82.3	3.4	5.6	14.3	24.4	26.1	13.2
7	74.2	11.5	16.8	18.6	24.5	15.0	19.9
10	67.7	4.1	9.2	13.9	17.7	7.5	25.9
13	65.7	4.9	10.2	12.3	8.8	8.8	26.3
16	68.0	2.7	3.1	3.1	4.1	6.8	26.4
19	76.4	1.5	3.3	3.6	6.7	16.0	18.2
22	81.3	2.6	5.1	7.1	7.9	26.9	14.4

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.8	1.0	1.7	1.9	2.6	3.8	2.9
4	95.9	.7	.7	2.4	2.4	4.3	3.4
7	95.4	.7	1.7	1.4	2.9	2.4	4.3
10	95.9	.7	1.2	2.4	3.6	1.7	3.8
13	94.9	1.9	2.2	2.4	1.9	2.4	4.1
16	94.7	1.0	.5	1.0	1.0	3.2	4.1
19	96.5	.5	.7	1.0	1.7	3.6	3.1
22	97.5	.7	1.9	1.7	3.1	3.1	1.7

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	.9	.5	.5	3.1	1.7	2.1
4	97.5	.7	.9	2.8	2.1	1.4	2.1
7	95.6	.5	1.0	1.2	1.7	1.0	3.6
10	97.0	1.4	1.4	1.4	1.2	1.2	2.1
13	97.5	.5	.7	.7	.7	1.7	1.9
16	98.4	1.6	1.4	.5	.7	1.2	1.4
19	98.6	.0	.2	.7	1.2	3.7	1.2
22	98.4	.0	.5	.7	1.2	2.1	1.6

CRITERIA FIVE — THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.2	1.2	1.7	1.2	1.7	1.2	2.6
4	97.9	.9	1.9	1.9	.7	2.1	1.9
7	97.9	.7	.7	.2	1.4	.9	1.9
10	99.3	.9	1.9	1.6	2.3	.9	.7
13	98.2	.9	.9	1.6	.7	2.1	1.9
16	97.2	.7	.0	.5	.5	1.7	2.8
19	99.1	.7	.7	.7	1.6	1.6	.7
22	99.1	.2	.9	2.1	1.6	.7	.9

B.3 SEVERE WEATHER CONDITIONS

	LAUNCH	LANDING
Ground Winds	$\leq$ 20 kts (150^{o} -210^{o}) $\leq$ 30 kts (all other azimuths)	$\leq$ 20 kts Crosswind
Winds Aloft	mean monthly ± 35 m/sec (5-15 km)	mean monthly ± 35 m/sec (5 km interval)
Clouds	N/A	N/A
Visibility	N/A	>1 mi.
Ceiling	N/A	$\geq$ 2000 ft.
Precipitation	R-,RW-,L-,L	R-,RW-,L-,L
Thunderstorm	W/Ceiling $\geq$ 4000 ft.	W/Ceiling $\geq$ 4000 ft
Thunderstorm on Glide Path	N/A	None Allowed

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
JAN.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	86.2	92.0	88.0	85.6	81.0	83.4	87.7	85.8	87.2	86.1	85.8	88.5
4	85.9	86.1	84.7	82.6	83.9	88.7	91.7	80.2	81.2	82.0	83.1	83.4
7	83.4	85.4	85.1	84.3	88.7	91.2	89.0	77.9	76.5	77.6	79.0	80.0
10	83.4	87.6	88.4	89.2	92.0	88.7	87.3	80.1	79.0	77.9	79.6	81.8
13	82.9	90.6	92.8	92.2	89.4	88.3	85.6	83.6	83.9	83.9	84.4	85.7
16	86.4	92.3	91.2	88.5	87.7	85.6	80.8	87.2	86.7	88.5	87.2	89.9
19	82.5	92.2	94.1	91.9	90.2	84.6	81.0	89.1	88.8	87.4	86.9	87.8
22	82.5	93.0	89.7	90.5	85.5	80.2	82.4	87.4	87.2	87.2	86.0	86.4

FEB.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	78.8	89.3	87.1	90.3	85.4	85.4	87.1	87.4	86.1	85.8	86.7	82.7
4	79.6	86.9	85.9	85.3	86.2	86.9	86.9	87.2	86.5	86.9	84.6	83.2
7	76.0	88.3	88.3	87.2	87.6	86.6	87.9	82.9	82.2	82.9	81.2	78.6
10	72.2	90.8	89.0	90.5	90.8	91.5	88.7	84.8	84.5	82.7	82.3	79.6
13	73.7	86.5	88.2	89.3	90.7	89.3	90.7	85.5	83.0	82.7	82.4	79.8
16	73.7	91.3	92.0	92.7	90.3	90.7	89.6	87.2	85.1	85.5	83.7	80.9
19	79.3	91.3	89.1	90.0	90.0	90.0	85.2	87.1	86.5	86.8	87.1	85.2
22	81.6	92.2	92.2	90.3	89.7	85.3	85.6	87.2	85.6	86.6	85.9	85.2

MAR.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	85.9	93.0	93.0	93.6	87.4	88.5	87.4	90.1	88.7	88.5	89.0	88.5
4	87.1	91.3	88.1	87.3	88.4	86.8	86.2	89.9	89.2	89.2	89.4	88.7
7	83.6	87.6	87.6	87.9	87.3	86.0	86.8	84.8	84.3	85.7	86.2	85.0
10	80.9	90.6	89.7	90.6	87.7	88.6	90.9	88.0	86.3	84.9	85.2	84.8
13	78.3	90.9	89.7	89.1	89.7	92.1	90.6	86.2	84.4	83.8	83.8	83.9
16	79.3	90.4	91.6	90.7	92.2	90.1	91.3	83.1	83.1	81.4	81.7	82.5
19	82.0	92.7	93.8	94.7	92.1	91.9	87.1	84.3	85.1	84.0	83.7	84.8
22	85.0	94.3	92.7	92.7	92.7	87.0	87.0	90.0	88.9	88.6	88.1	88.2

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
APR.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	90.2	96.8	95.3	92.3	91.8	94.7	92.1	96.8	96.3	97.1	96.8	95.0
4	90.5	93.2	92.4	91.8	94.5	92.1	90.0	92.6	92.6	93.4	94.5	91.7
7	86.7	93.7	92.0	94.2	93.1	91.2	94.2	90.7	90.1	90.9	90.9	90.0
10	87.1	95.9	95.1	93.2	91.0	94.0	95.9	92.9	94.3	94.8	94.0	92.6
13	83.3	93.7	93.4	92.0	94.0	96.3	98.0	92.0	92.0	92.9	91.4	89.5
16	83.8	94.6	95.5	94.3	97.2	98.0	94.6	90.6	88.6	90.3	91.2	87.9
19	86.2	97.8	98.1	97.2	97.0	93.4	91.4	93.6	93.1	94.8	93.9	92.1
22	89.8	96.8	96.0	97.3	93.1	92.0	93.9	95.5	95.2	96.0	96.6	95.0

MAY

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	94.9	95.6	95.9	94.7	94.2	91.3	89.8	97.1	97.1	96.6	96.6	97.0
4	92.6	96.3	93.5	94.3	91.0	89.8	84.6	93.8	93.3	93.5	93.5	94.0
7	91.2	95.5	95.2	92.2	90.4	85.9	92.2	94.4	94.2	94.4	94.9	94.0
10	90.1	94.9	94.6	91.3	86.2	92.8	93.9	91.8	91.0	91.3	91.6	90.1
13	88.9	92.0	91.5	86.5	93.0	94.6	97.4	90.2	88.9	87.8	87.3	88.5
16	87.3	90.8	91.0	93.4	93.7	96.8	94.7	83.6	84.7	83.6	83.6	83.9
19	87.3	94.2	94.7	93.9	96.8	94.2	94.5	91.6	91.6	90.5	90.0	92.2
22	91.5	94.7	96.5	97.2	94.5	93.7	91.9	92.9	93.2	93.2	92.4	93.5

JUNE

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	94.0	94.2	93.9	94.7	93.9	90.6	78.5	93.9	93.2	93.7	93.2	93.1
4	95.2	95.0	95.2	94.2	90.5	77.5	76.7	93.8	93.5	93.8	94.5	92.9
7	94.0	93.4	92.7	90.9	77.2	77.0	85.1	93.2	92.2	92.2	93.2	92.6
10	93.1	90.0	87.5	78.3	77.2	85.7	95.9	89.8	89.0	89.0	89.8	89.5
13	86.2	79.6	78.7	77.6	85.9	97.0	93.9	78.2	79.3	78.2	76.5	76.9
16	82.9	85.1	84.5	87.9	96.0	94.3	94.3	79.3	77.0	74.1	71.8	75.5
19	87.6	93.2	93.2	96.2	95.1	94.3	92.9	85.1	84.0	84.0	81.8	83.3
22	94.5	96.2	95.5	94.5	93.7	92.4	89.9	95.0	95.7	94.5	94.7	94.0

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
JULY

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	99.5	98.6	98.4	98.4	96.8	94.4	78.7	98.6	98.6	98.6	98.6	98.2
4	99.1	98.4	96.7	96.7	94.9	78.6	68.4	98.4	98.1	97.9	97.9	98.4
7	98.6	97.0	97.7	94.9	78.5	68.2	82.9	97.0	97.4	97.4	97.4	96.5
10	97.5	92.2	86.5	78.7	68.1	82.7	94.1	94.6	94.6	94.3	93.9	94.5
13	92.6	76.9	72.9	69.4	82.8	94.3	98.5	79.9	77.9	77.9	78.9	78.6
16	84.3	78.4	78.4	84.4	94.8	98.9	98.9	69.9	67.5	68.3	69.9	68.0
19	89.4	93.0	93.8	95.6	99.2	98.5	96.6	83.2	82.7	82.5	83.2	82.7
22	96.8	96.4	98.3	98.8	98.3	96.9	95.0	93.8	94.0	94.0	94.0	94.2

AUG.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	96.3	98.8	98.1	97.8	96.9	92.3	82.1	96.4	95.9	95.5	95.7	96.1
4	98.2	96.5	96.5	96.7	92.0	82.2	74.9	96.7	96.7	96.9	96.9	96.5
7	97.9	96.9	95.8	92.0	82.4	75.1	87.1	95.5	95.3	95.3	95.3	95.4
10	96.8	90.0	86.9	82.4	74.5	86.9	95.2	91.2	90.0	90.2	90.5	91.0
13	90.3	80.4	76.0	77.8	87.8	95.2	96.7	82.4	83.2	83.2	80.9	81.3
16	84.6	85.8	86.1	91.0	95.1	97.3	97.3	76.6	78.2	77.1	78.7	74.0
19	92.2	92.2	95.0	96.2	96.7	96.5	95.7	88.5	86.2	86.2	87.5	86.4
22	96.3	96.7	95.0	96.7	96.7	95.7	91.1	94.5	94.3	94.5	94.7	94.2

SEPT.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	92.9	93.8	94.1	93.6	92.6	90.8	85.9	91.0	90.3	89.7	89.7	90.0
4	93.1	92.3	93.1	92.6	90.8	86.2	79.3	91.0	90.0	90.3	89.0	90.0
7	93.3	92.6	87.8	91.6	85.7	79.3	84.9	91.6	90.6	89.8	89.0	89.8
10	91.7	90.6	89.1	86.2	80.0	85.7	90.1	90.4	88.3	88.1	89.1	88.3
13	88.6	84.7	85.8	81.5	87.4	90.1	92.2	84.7	83.9	83.6	84.1	83.1
16	86.0	86.4	87.0	88.4	90.3	91.4	92.0	78.7	77.6	76.5	76.2	77.4
19	89.5	91.0	90.7	92.3	92.3	92.0	92.8	84.8	84.3	84.0	84.0	83.6
22	90.0	95.0	94.2	93.7	92.9	93.1	90.7	89.2	87.8	87.8	87.8	88.1

PROBABILITY OF A SUCESSFUL LANDING AT TIME T+DT
GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T FOR THE MONTH OF
OCT.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	91.2	92.7	90.9	91.2	89.9	85.6	82.8	87.6	87.4	86.4	85.9	87.8
4	91.9	92.2	90.2	89.7	86.0	84.0	84.0	89.2	87.7	87.0	87.0	89.2
7	90.6	90.8	89.1	86.5	84.0	85.2	86.0	88.8	87.3	86.5	86.8	88.9
10	91.2	85.9	85.4	83.8	84.6	85.6	89.4	85.1	83.6	83.6	82.1	84.1
13	88.2	86.9	85.9	85.9	85.9	90.1	88.3	81.7	80.2	79.6	81.5	81.8
16	86.2	89.6	88.0	86.9	91.4	89.0	89.3	83.4	82.6	81.6	82.4	82.7
19	88.7	88.1	89.1	89.1	88.8	89.9	88.1	86.0	84.4	83.6	83.6	83.9
22	89.6	91.5	92.0	88.9	89.7	87.9	84.1	88.2	87.4	86.4	86.1	87.8

NOV.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	91.2	92.7	91.9	92.4	85.9	89.3	90.3	89.3	89.6	90.1	90.3	89.0
4	91.7	92.2	89.9	86.0	89.4	90.6	92.2	90.6	90.6	91.2	91.4	90.2
7	90.0	90.5	89.7	89.4	90.5	92.1	91.8	86.0	86.5	87.3	86.0	84.8
10	89.3	91.2	91.5	90.9	92.8	92.3	91.7	88.5	88.8	89.6	90.1	87.9
13	90.2	90.8	91.8	92.6	91.6	91.6	90.2	90.5	90.0	89.7	89.4	89.3
16	89.3	93.3	93.3	93.1	92.8	90.1	91.2	92.3	92.0	92.0	92.8	91.2
19	86.9	94.0	95.1	92.6	89.9	90.7	86.3	91.8	90.7	91.2	91.8	91.4
22	90.0	92.1	92.3	90.2	91.8	86.2	88.6	91.0	91.0	90.2	91.3	91.2

DEC.

HOUR T	PROB. FAV. LAUNCH	CONDITIONAL PROB. FAVORABLE LANDING CONDITIONS AO T+DT GIVEN FAVORABLE LAUNCH CONDITIONS AT TIME T										PROB. FAV. LANDING
		1	2	3	6	9	12	24	48	72	96	
1	87.6	92.4	91.6	92.4	87.1	91.1	94.2	92.4	90.8	91.3	90.3	91.7
4	90.1	92.1	89.0	86.2	90.8	93.6	94.6	92.1	90.0	89.5	89.5	91.5
7	88.7	85.5	90.6	91.4	94.0	94.5	94.8	86.0	84.9	83.6	84.7	85.7
10	88.2	92.7	92.4	94.8	95.8	95.6	93.7	90.6	89.3	88.8	87.7	89.6
13	88.0	96.3	95.5	96.6	95.8	94.5	94.0	92.7	91.4	91.4	90.1	91.5
16	91.0	95.4	95.7	95.7	93.9	93.7	92.7	93.7	92.9	91.9	91.6	93.3
19	89.4	95.9	94.3	93.8	93.6	92.8	87.1	94.3	93.8	92.5	92.8	93.8
22	88.5	94.8	94.5	93.5	92.2	87.2	91.9	92.7	91.4	90.6	91.4	91.9

JANUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	13.8	81.7	75.0	75.0	63.3	53.3	46.7	41.7	43.3	40.0	40.0
4	14.1	83.6	73.8	77.0	62.3	52.5	44.3	45.9	41.0	37.7	31.1
7	16.6	73.6	68.1	69.4	54.2	48.6	48.6	34.7	31.9	25.0	27.8
10	16.6	83.3	72.2	72.2	54.2	50.0	40.3	34.7	27.8	31.9	33.3
13	17.1	73.0	68.9	63.5	54.1	41.9	35.1	31.1	32.4	29.7	31.1
16	13.6	69.5	64.4	67.8	54.2	45.8	42.4	37.3	32.2	35.6	30.5
19	17.5	84.2	81.6	72.4	67.1	60.5	53.9	48.7	47.4	42.1	35.5
22	17.5	84.2	78.9	76.3	67.1	60.5	55.3	53.9	46.1	36.8	35.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	86.2	2.1	2.4	4.3	9.1	10.7	12.3	9.1	13.4	13.9	12.6
4	85.9	4.0	4.6	6.7	9.1	11.3	8.6	12.9	13.7	12.9	14.5
7	83.4	3.6	5.2	6.1	9.7	6.6	11.3	14.1	13.3	15.2	17.7
10	83.4	3.0	3.9	6.1	5.5	11.0	13.0	12.7	14.6	16.9	16.3
13	82.9	1.7	2.2	3.3	10.0	12.5	12.5	13.9	16.7	16.9	17.2
16	86.4	4.5	5.9	9.6	11.7	11.7	12.8	16.5	17.1	17.1	13.9
19	82.5	4.2	3.1	5.9	5.6	7.5	12.0	12.8	13.7	10.6	13.4
22	82.5	1.4	2.8	3.6	6.1	10.6	11.5	12.3	9.8	13.1	13.7

JANUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.6	57.1	28.6	28.6	14.3	14.3	.0
4	1.6	42.9	28.6	14.3	28.6	.0	.0
7	1.4	50.0	.0	33.3	50.0	16.7	.0
10	3.2	50.0	35.7	64.3	21.4	.0	.0
13	6.7	51.7	48.3	41.4	13.8	6.9	17.2
16	3.9	17.6	17.6	17.6	17.6	.0	5.9
19	1.4	83.3	83.3	50.0	16.7	.0	16.7
22	1.8	37.5	25.0	37.5	12.5	12.5	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	10.4	93.3	88.9	84.4	80.0	48.9	35.6
4	9.2	97.5	92.5	92.5	72.5	47.5	27.5
7	13.6	83.1	78.0	72.9	57.6	45.8	28.8
10	11.5	88.0	86.0	78.0	62.0	46.0	34.0
13	9.7	83.3	78.6	76.2	69.0	52.4	23.8
16	8.8	94.7	92.1	92.1	73.7	55.3	31.6
19	14.7	85.9	85.9	78.1	71.9	59.4	31.3
22	12.7	98.2	94.5	92.7	81.8	67.3	30.9

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.5	36.4	36.4	36.4	9.1	9.1	18.2
4	4.1	50.0	27.8	22.2	11.1	5.6	16.7
7	2.1	22.2	11.1	33.3	.0	.0	.0
10	3.9	64.7	35.3	23.5	.0	5.9	.0
13	2.3	20.0	20.0	20.0	20.0	10.0	.0
16	1.8	25.0	.0	12.5	.0	12.5	.0
19	2.3	50.0	30.0	30.0	30.0	10.0	.0
22	3.5	46.7	26.7	26.7	13.3	6.7	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.4	1.2	1.4	1.2	1.2	6.6	1.4
4	98.4	.5	.7	1.2	2.8	4.0	1.9
7	98.6	1.4	2.1	2.8	6.1	1.2	1.6
10	96.8	1.4	2.6	4.8	3.3	1.9	3.8
13	93.3	1.2	1.5	1.2	.5	1.0	6.4
16	96.1	1.0	.7	.7	1.2	1.9	4.3
19	98.6	1.2	.7	1.2	1.2	1.6	1.2
22	98.2	.5	.9	.7	1.8	3.5	2.1

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	89.6	.3	.3	.5	5.9	5.1	10.5
4	90.8	1.8	3.0	5.6	5.3	4.8	10.4
7	86.4	.8	1.6	1.9	2.1	9.9	14.4
10	88.5	.3	.3	.8	1.8	8.3	11.5
13	90.3	.0	.3	1.5	8.9	8.9	11.0
16	91.2	1.3	2.5	7.3	6.8	7.8	9.6
19	85.3	.3	.5	1.4	3.0	8.9	11.6
22	87.3	.3	.8	1.6	1.8	6.3	9.8

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.0	.2	.0	.0	.0
4	99.8	.0	.0	.0	.0	.0	.2
7	100.0	.2	.2	.0	.0	.2	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.2	.0	.0
16	100.0	.0	.0	.2	.0	.2	.0
19	99.8	.0	.0	.0	.0	.0	.2
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.5	1.7	1.7	3.3	1.9	2.1	2.1
4	95.9	1.9	1.4	1.2	3.6	1.7	3.6
7	97.9	1.6	3.1	3.3	2.4	2.4	2.1
10	96.1	2.2	1.7	1.4	1.9	3.4	3.8
13	97.7	1.2	1.2	1.4	1.9	2.4	2.4
16	98.2	2.1	2.8	2.1	3.5	4.0	1.6
19	97.7	2.6	1.9	2.8	1.9	1.9	2.4
22	95.5	1.0	1.9	1.7	3.8	3.6	3.6

C-4

FEBRUARY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	21.2	89.2	79.5	78.3	81.9	73.5	62.7	57.8	37.3	36.1	32.5
4	20.4	95.0	93.8	91.2	82.5	70.0	62.5	45.0	43.8	41.2	38.7
7	24.0	90.4	81.9	80.9	62.8	59.6	43.6	38.3	40.4	35.1	38.3
10	27.8	82.6	74.3	70.6	66.1	45.9	38.5	36.7	34.9	36.7	33.9
13	26.3	91.3	80.6	73.8	48.5	41.7	37.9	37.9	40.8	36.9	34.0
16	26.3	78.6	67.6	58.3	48.5	45.6	44.7	45.6	42.7	37.9	33.0
19	20.7	80.2	75.3	65.4	56.8	56.8	58.0	49.4	43.2	40.7	38.3
22	18.4	84.7	76.4	70.8	65.3	63.9	58.3	52.8	47.2	40.3	38.9

B-235

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	78.8	1.9	3.6	4.9	8.4	15.5	16.5	17.8	16.2	13.6	13.9
4	79.6	3.2	5.1	6.7	13.8	15.1	17.0	14.4	11.9	11.9	11.5
7	76.0	4.0	6.7	11.1	14.8	15.8	13.4	12.1	10.7	11.4	15.4
10	72.2	3.2	7.4	9.2	11.0	11.0	10.6	10.6	10.2	14.8	21.6
13	73.7	7.6	8.7	9.3	10.7	10.0	10.7	9.7	13.8	20.8	20.1
16	73.7	4.8	4.8	7.3	7.6	8.0	7.3	12.1	18.7	18.7	19.7
19	79.3	4.2	5.8	6.1	7.7	6.8	11.3	18.6	18.6	18.6	16.1
22	81.6	2.2	4.7	5.9	6.3	11.2	17.5	17.2	17.8	16.2	13.7

FEBRUARY

KSC LAUNCH PROBABILITIES

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.1	75.0	25.0	25.0	33.3	25.0	16.7
4	3.1	66.7	50.0	50.0	75.0	33.3	25.0
7	3.3	76.9	61.5	76.9	23.1	15.4	.0
10	9.2	77.8	63.9	58.3	44.4	11.1	8.3
13	10.7	73.8	66.7	47.6	14.3	7.1	11.9
16	8.4	60.6	31.3	36.4	9.1	12.1	6.1
19	3.1	33.3	25.0	8.3	8.3	8.3	8.3
22	2.6	60.0	40.0	50.0	40.0	40.0	10.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	16.3	98.4	93.8	93.8	90.6	68.8	32.8
4	17.1	98.5	98.5	97.0	82.1	62.7	37.3
7	19.6	93.5	87.0	80.5	70.1	44.2	41.6
10	16.8	93.9	87.9	84.8	74.2	48.5	34.8
13	15.6	98.4	86.9	85.2	60.7	49.2	39.3
16	15.1	98.3	96.6	72.9	66.1	61.0	39.0
19	15.1	86.4	84.7	78.0	67.8	64.4	44.1
22	12.8	96.0	90.0	84.0	84.0	66.0	44.0

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	50.0	50.0	.0	.0	.0
4	.3	100.0	100.0	.0	.0	.0	.0
7	.3	.0	.0	.0	.0	.0	.0
10	.3	100.0	.0	.0	.0	.0	.0
13	.3	100.0	100.0	.0	.0	.0	.0
16	.5	.0	.0	.0	.0	.0	.0
19	.3	.0	.0	.0	.0	.0	.0
22	.5	50.0	50.0	.0	.0	.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.0	12.5	12.5	12.5	25.0	25.0	.0
4	1.0	50.0	25.0	25.0	25.0	25.0	.0
7	2.0	25.0	62.5	62.5	25.0	.0	.0
10	4.3	23.5	17.6	17.6	29.4	5.9	5.9
13	3.1	50.0	41.7	25.0	8.3	.0	.0
16	3.8	40.0	20.0	33.3	13.3	6.7	.0
19	4.1	62.5	37.5	25.0	12.5	25.0	.0
22	3.6	42.9	21.4	.0	.0	14.3	14.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.9	1.1	1.1	2.4	2.4	10.3	2.6
4	96.9	1.1	1.1	1.8	7.1	7.6	2.1
7	96.7	3.4	4.0	6.9	10.3	2.6	3.4
10	90.8	2.0	4.8	5.9	4.8	1.7	9.3
13	89.3	4.3	4.9	3.7	1.7	2.6	10.6
16	91.6	1.7	1.7	.0	1.9	1.9	8.1
19	96.9	2.4	2.6	2.4	2.9	3.2	3.2
22	97.4	.8	1.6	1.8	1.8	8.4	2.1

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	83.7	.3	1.2	2.1	5.8	5.2	9.1
4	82.9	.9	2.5	3.7	3.4	5.2	8.9
7	80.4	.3	.3	1.3	2.2	7.9	10.2
10	83.2	.3	.3	1.5	3.1	5.5	9.5
13	84.4	.9	1.8	2.1	6.6	6.3	7.6
16	84.9	1.2	2.4	4.8	3.3	5.4	7.2
19	84.9	.3	.3	1.2	3.3	7.8	9.9
22	87.2	.3	1.2	2.6	3.5	6.1	8.2

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.3	.3	.5
4	99.7	.0	.0	.3	.3	.5	.3
7	99.7	.0	.5	.3	.3	.3	.3
10	99.7	.3	.0	.3	.5	.5	.3
13	99.7	.5	1.0	.5	.3	.5	.3
16	99.5	.0	.0	.3	.5	.3	.5
19	99.7	.0	.5	.5	.5	.3	.3
22	99.5	.0	.0	.5	.3	.3	.5

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.0	.5	1.6	.8	1.6	2.6	2.1
4	99.0	1.8	2.3	1.8	4.1	3.6	1.0
7	98.0	1.0	2.1	3.1	2.6	4.2	2.1
10	95.7	1.1	2.4	2.4	2.7	3.5	4.3
13	96.9	2.4	2.6	3.2	3.9	2.1	3.4
16	96.2	1.9	1.6	2.9	3.2	.8	4.0
19	95.9	1.9	2.9	2.7	1.6	1.1	4.3
22	96.4	1.1	2.4	2.1	1.1	4.0	3.4

MARCH

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	14.1	73.8	60.7	67.2	63.9	57.4	54.1	50.8	45.9	41.0	42.6
4	12.9	90.9	87.3	87.5	73.2	64.3	64.3	57.1	50.0	51.8	39.3
7	16.4	85.9	77.5	73.2	62.0	53.5	49.3	40.8	42.3	32.4	35.2
10	19.1	86.7	77.1	75.9	57.8	54.2	45.8	45.8	39.8	39.8	34.9
13	21.7	79.8	75.5	63.8	52.1	46.8	41.5	37.2	38.3	36.2	31.9
16	20.7	75.6	64.4	62.2	47.8	41.1	37.8	37.8	41.1	27.8	32.2
19	18.0	78.2	65.4	65.4	53.8	51.3	51.3	47.4	41.0	41.0	33.3
22	15.0	75.4	67.7	66.2	58.5	60.0	53.8	49.2	46.2	41.5	36.9

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	85.9	3.5	4.3	4.0	8.6	12.9	16.4	15.8	13.4	10.7	11.0
4	87.1	2.4	5.6	5.8	11.1	15.3	14.3	12.2	9.8	10.1	9.8
7	83.6	2.8	7.2	8.5	13.8	14.3	11.8	9.9	10.2	9.9	14.0
10	80.9	7.4	8.3	8.8	12.0	9.4	7.7	8.3	7.4	12.3	16.0
13	78.3	5.3	7.4	8.8	8.5	6.2	8.2	7.1	11.8	15.0	19.4
16	79.3	3.8	4.7	6.4	6.4	8.7	7.3	12.2	14.0	20.6	18.9
19	82.0	4.5	4.5	3.9	7.0	5.3	10.1	13.5	18.0	17.4	16.0
22	85.0	1.4	4.9	6.5	5.7	10.0	13.6	17.3	17.3	15.2	11.7

MARCH

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.8	50.0	37.5	37.5	25.0	12.5	.0
4	2.8	66.7	58.3	58.3	16.7	8.3	.0
7	2.8	50.0	41.7	41.7	41.7	8.3	.0
10	6.9	73.3	56.7	50.0	26.7	.0	10.0
13	9.0	64.1	61.5	46.2	23.1	12.8	7.7
16	9.0	56.4	33.3	23.1	5.1	5.1	10.3
19	3.2	64.3	50.0	14.3	28.6	28.6	.0
22	1.8	37.5	37.5	25.0	37.5	12.5	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	8.3	94.4	86.1	86.1	86.1	66.7	47.2
4	9.7	100.0	100.0	100.0	85.7	69.0	47.6
7	13.1	87.7	78.9	75.4	63.2	54.4	40.4
10	11.1	93.8	87.5	83.3	70.8	58.3	41.7
13	9.9	95.3	88.4	83.7	76.7	62.8	41.9
16	9.0	97.4	97.4	92.3	82.1	64.1	48.7
19	10.1	90.9	86.4	79.5	70.5	68.2	47.7
22	8.5	94.6	89.2	86.5	75.7	70.3	43.2

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	.0	50.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	100.0	.0
13	1.2	100.0	60.0	40.0	.0	.0	.0
16	1.2	40.0	20.0	.0	.0	.0	.0
19	1.6	42.9	.0	14.3	14.3	.0	14.3
22	1.6	.0	.0	28.6	14.3	.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.4	26.3	15.8	21.1	5.3	10.5	5.3
4	1.6	33.3	16.7	14.3	14.3	.0	.0
7	.9	25.0	25.0	25.0	.0	25.0	.0
10	2.1	55.6	44.4	33.3	33.3	22.2	11.1
13	3.5	40.0	26.7	20.0	26.7	13.3	13.3
16	3.7	43.8	31.3	43.8	6.3	6.3	.0
19	5.3	60.9	21.7	39.1	17.4	.0	.0
22	4.1	50.0	38.9	27.8	16.7	5.6	11.1

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.2	1.4	1.6	2.1	2.3	8.9	2.3
4	97.2	.5	1.4	1.2	6.6	9.0	3.1
7	97.2	1.7	4.3	5.9	8.1	3.1	3.3
10	93.1	5.0	5.9	5.9	7.7	2.0	6.9
13	91.0	3.8	4.6	5.3	1.3	1.3	9.1
16	91.0	1.8	1.3	1.3	1.5	2.8	9.1
19	96.8	1.2	1.4	1.4	1.4	2.4	3.6
22	98.2	1.4	1.9	1.9	2.3	7.0	1.9

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	91.7	.8	2.0	2.8	6.5	4.8	5.5
4	90.3	1.5	3.1	3.8	3.1	2.6	6.1
7	86.9	.3	.5	1.3	1.9	3.4	9.8
10	88.9	.0	.5	.8	1.3	2.3	7.5
13	90.1	.0	.0	.8	2.8	3.1	6.9
16	91.0	.3	.5	2.0	1.3	4.8	5.6
19	89.9	.3	.5	.5	2.1	7.7	6.7
22	91.5	.0	1.3	1.8	4.0	5.8	5.8

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.5	.5	.0	.2	1.2	.5
4	99.8	.0	.5	.2	.2	1.2	.2
7	99.8	.2	.2	.2	1.2	1.6	.2
10	99.8	.5	1.2	1.2	1.2	1.4	.2
13	98.8	.5	.9	.7	1.6	.5	1.2
16	98.8	.5	.9	1.6	1.6	.2	1.4
19	98.4	.2	1.2	1.4	.2	.2	1.4
22	98.4	.0	.0	.0	.0	.2	1.6

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.6	1.0	1.0	.7	.7	3.1	4.3
4	98.4	.9	1.4	.7	1.9	3.7	1.6
7	99.1	2.1	2.3	1.9	3.5	5.1	.9
10	97.9	3.1	2.1	2.8	3.1	3.8	1.9
13	96.5	2.4	2.9	3.1	4.5	4.1	3.3
16	96.3	1.9	2.4	3.8	4.1	1.4	4.1
19	94.7	2.9	3.2	2.2	3.6	1.0	6.1
22	95.9	1.0	2.2	3.4	1.0	1.9	3.8

APRIL

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	9.8	87.8	70.7	65.9	68.3	65.9	63.4	43.9	46.3	36.6	29.3
4	9.5	82.5	85.0	85.0	75.0	72.5	55.0	50.0	42.5	30.0	25.0
7	13.3	75.0	69.6	67.9	64.3	51.8	48.2	35.7	32.1	26.8	33.9
10	12.9	85.2	77.8	79.6	57.4	51.9	38.9	29.6	20.4	29.6	27.8
13	16.7	70.0	62.9	61.4	50.0	38.6	31.4	25.7	27.1	31.4	30.0
16	16.2	72.1	64.7	58.8	45.6	38.2	32.4	38.2	36.8	32.4	23.5
19	13.8	82.8	69.0	65.5	44.8	39.7	43.1	41.4	39.7	27.6	31.0
22	10.2	81.4	72.1	65.1	55.8	55.8	55.8	48.8	39.5	37.2	25.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	90.2	.3	1.3	3.4	7.4	7.1	11.6	13.2	10.3	7.4	6.6
4	90.5	1.8	3.4	5.8	6.3	10.8	12.1	10.0	6.8	6.6	7.9
7	86.7	1.9	3.6	4.4	9.3	10.7	8.5	6.3	5.2	6.9	9.6
10	87.1	3.6	4.4	7.4	10.1	8.2	6.0	5.7	7.9	10.4	10.4
13	83.3	3.7	4.3	7.1	6.6	4.6	4.3	6.3	10.0	8.9	13.4
16	83.8	3.7	3.7	5.1	3.4	3.1	5.1	8.0	8.0	13.1	13.1
19	86.2	1.7	1.9	1.4	3.0	4.7	8.0	8.0	12.4	12.7	9.7
22	89.8	2.9	2.9	2.4	4.2	8.0	7.7	12.5	11.9	9.8	7.7

APRIL

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	60.0	40.0	20.0	40.0	60.0	.0
4	1.4	33.3	50.0	33.3	83.3	33.3	.0
7	1.2	100.0	80.0	80.0	80.0	40.0	.0
10	4.5	57.9	57.9	57.9	42.1	.0	.0
13	6.0	56.0	48.0	48.0	28.0	.0	16.0
16	5.5	47.8	39.1	30.4	4.3	4.3	.0
19	3.1	38.5	23.1	30.8	.0	.0	15.4
22	1.2	40.0	40.0	.0	40.0	40.0	20.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.9	97.0	81.8	78.8	75.8	66.7	30.3
4	7.1	100.0	96.7	96.7	86.7	53.3	26.7
7	10.5	81.8	79.5	75.0	68.2	52.3	36.4
10	8.3	94.3	85.7	85.7	62.9	45.7	31.4
13	9.3	84.6	74.4	71.8	69.2	43.6	35.9
16	7.6	100.0	100.0	96.9	75.0	53.1	28.1
19	9.3	97.4	79.5	76.9	64.1	53.8	28.2
22	7.1	90.0	83.3	83.3	66.7	60.0	23.3

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	100.0	.0	.0	.0
7	.7	.0	.0	.0	.0	.0	.0
10	.5	.0	50.0	.0	.0	.0	.0
13	.5	50.0	50.0	.0	.0	.0	.0
16	.7	.0	.0	.0	.0	.0	.0
19	.5	50.0	50.0	50.0	.0	.0	.0
22	.5	50.0	.0	.0	.0	.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	25.0	.0	.0	.0	.0	.0
4	1.7	14.3	14.3	28.6	.0	28.6	.0
7	1.7	14.3	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	3.3	28.6	28.6	28.6	14.3	21.4	7.1
16	4.0	29.4	23.5	17.6	23.5	.0	.0
19	2.4	30.0	30.0	40.0	10.0	.0	.0
22	2.4	60.0	50.0	20.0	10.0	10.0	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.0	.7	1.2	.7	5.3	.5
4	98.6	.5	.2	.7	3.4	5.1	1.4
7	98.8	1.0	1.4	3.6	5.1	2.7	1.0
10	95.5	2.2	2.5	3.5	3.7	1.2	4.5
13	94.0	1.5	2.0	2.8	1.5	.5	5.1
16	94.5	1.5	1.5	1.5	1.0	1.3	5.5
19	96.9	.7	1.2	.2	.5	1.0	2.5
22	98.8	1.0	.7	.5	1.0	3.9	1.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.1	.0	.5	1.0	4.9	4.4	5.7
4	92.9	1.0	2.3	3.8	2.3	4.1	5.6
7	89.5	.5	.5	.5	2.4	4.3	7.2
10	91.7	.8	1.6	2.3	2.6	3.6	6.0
13	90.7	.5	.3	1.0	3.1	3.9	5.8
16	92.4	.5	1.3	2.1	1.5	3.4	4.9
19	90.7	.0	.0	.0	1.8	5.8	6.3
22	92.9	.3	1.3	1.8	2.6	4.1	5.1

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.2	.7	.5	.0
4	99.8	.0	.0	.5	.5	.7	.2
7	99.3	.0	.2	.5	.5	.5	.7
10	99.5	.0	.0	.5	.7	.5	.7
13	99.5	.2	.5	.7	.5	.0	.7
16	99.3	.7	.0	.5	.5	.2	.5
19	99.5	.2	.5	.2	.0	.7	.7
22	99.5	.5	.2	.0	.2	.7	.5

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.2	.7	1.7	1.7	3.4	1.0
4	98.3	.2	1.2	1.2	.2	3.6	1.7
7	98.3	.5	1.2	.2	3.4	2.4	1.7
10	99.8	1.9	1.7	3.3	4.1	2.4	.2
13	96.7	1.7	2.5	3.2	2.0	.2	3.4
16	96.0	2.0	1.5	1.7	1.5	1.7	4.0
19	97.6	1.5	.7	1.5	.7	1.7	2.0
22	97.6	1.5	1.2	.5	1.5	.0	2.2

MAY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	5.1	77.3	77.3	81.8	68.2	63.6	63.6	45.5	54.5	45.5	31.8
4	7.4	75.0	62.5	62.5	62.5	56.3	43.8	43.8	37.5	25.0	18.8
7	8.8	63.2	63.2	55.3	52.6	47.4	42.1	34.2	26.3	21.1	23.7
10	9.9	72.1	60.5	60.5	46.5	39.5	30.2	20.9	18.6	23.3	18.6
13	11.1	75.0	68.8	58.3	47.9	41.7	25.0	20.8	22.9	31.3	27.1
16	12.7	67.3	60.0	60.0	38.2	25.5	23.6	21.8	27.3	29.1	25.5
19	12.7	72.7	49.1	45.5	27.3	29.1	29.1	25.5	36.4	27.3	30.9
22	8.5	67.6	56.8	43.2	48.6	32.4	45.9	40.5	40.5	37.8	29.7

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	94.9	1.9	1.7	3.4	5.6	7.0	8.3	10.9	10.4	6.6	3.2
4	92.6	1.0	3.5	4.5	5.7	7.5	10.2	10.2	6.2	3.0	5.5
7	91.2	1.8	2.8	5.6	7.1	9.3	9.8	6.1	2.5	5.1	6.3
10	90.1	2.8	3.3	5.6	9.0	9.7	6.1	2.8	5.1	6.1	8.2
13	88.9	3.6	4.1	7.0	8.3	4.4	2.1	4.7	6.0	6.5	8.5
16	87.3	4.2	6.9	5.8	4.2	1.6	4.0	5.8	6.6	7.9	11.3
19	87.3	3.2	3.7	3.2	1.3	3.2	4.7	6.9	6.9	11.1	10.3
22	91.5	2.0	1.5	1.0	2.5	5.5	5.8	7.8	10.6	10.6	6.8

MAY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	33.3	33.3	33.3	33.3	.0
4	.5	100.0	100.0	100.0	100.0	.0	.0
7	1.4	50.0	50.0	66.7	33.3	16.7	.0
10	3.0	69.2	46.2	53.8	38.5	15.4	7.7
13	2.5	72.7	63.6	36.4	36.4	.0	9.1
16	2.5	9.1	18.2	36.4	18.2	.0	.0
19	2.1	66.7	33.3	33.3	.0	.0	.0
22	.9	50.0	.0	.0	.0	.0	.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.4	84.2	84.2	89.5	73.7	57.9	36.8
4	4.8	95.2	81.0	81.0	71.4	52.4	28.6
7	6.2	70.4	63.0	55.6	48.1	44.4	22.2
10	4.4	78.9	78.9	78.9	68.4	52.6	26.3
13	4.8	90.5	90.5	85.7	85.7	47.6	38.1
16	5.3	100.0	100.0	95.7	73.9	47.8	34.8
19	6.7	93.1	75.9	69.0	48.3	41.4	37.9
22	4.8	85.7	76.2	71.4	66.7	52.4	47.6

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.5	50.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.9	25.0	25.0	.0	.0	.0	.0
13	1.6	57.1	28.6	14.3	14.3	.0	.0
16	2.8	58.3	33.3	33.3	8.3	8.3	8.3
19	2.3	40.0	10.0	20.0	.0	.0	10.0
22	1.4	66.7	33.3	.0	16.7	.0	.0

CRITERIA FOUR — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	2.3	10.0	10.0	10.0	.0	10.0	.0
7	1.4	16.7	33.3	33.3	.0	.0	16.7
10	1.8	50.0	12.5	37.5	12.5	.0	.0
13	3.5	33.3	26.7	26.7	.0	.0	6.7
16	5.1	50.0	22.7	18.2	9.1	.0	4.5
19	2.5	45.5	9.1	9.1	.0	.0	.0
22	2.1	33.3	33.3	.0	22.2	11.1	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	.0	.2	1.2	2.3	.7
4	99.5	.5	.2	.9	2.5	2.5	.2
7	98.6	.7	2.1	2.1	2.1	1.9	1.2
10	97.0	1.0	1.0	1.0	1.4	.5	2.6
13	97.5	1.4	.5	1.7	1.2	.7	2.1
16	97.5	1.2	.9	1.2	.5	.2	2.6
19	97.9	.7	.7	.2	.7	1.2	2.4
22	99.1	.2	.5	.7	.2	2.8	.7

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.6	.5	.5	1.0	3.1	2.4	2.4
4	95.2	.7	1.7	2.4	1.0	2.9	2.9
7	93.8	.5	.5	1.0	2.0	4.2	4.4
10	95.6	.7	1.0	1.4	2.4	2.7	3.1
13	95.2	.2	1.0	1.2	2.7	1.7	3.1
16	94.7	.2	1.0	1.7	1.0	1.7	3.9
19	93.3	.2	.2	.2	.7	3.0	4.4
22	95.2	.0	.2	.5	1.0	1.7	2.9

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.5	.5	.2	1.6	.0
4	99.5	.0	.2	.2	.9	2.8	.5
7	99.8	.0	.0	.9	1.6	2.3	.2
10	99.1	.9	1.4	1.6	2.8	1.4	.7
13	98.4	2.6	2.8	2.6	2.1	.0	1.4
16	97.2	.9	1.9	1.4	1.2	.2	2.6
19	97.7	.7	.9	.9	.0	.2	2.1
22	98.6	.2	.0	.0	.2	.7	1.4

CRITERIA FOUR — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	1.2	.7	2.3	1.4	3.5	.0
4	97.7	.2	1.2	1.2	1.9	5.0	2.4
7	98.6	.7	.7	1.4	3.5	2.6	1.2
10	98.2	1.2	1.2	2.8	4.9	2.1	1.9
13	96.5	2.1	1.4	4.3	2.6	.0	3.1
16	94.9	1.9	3.6	1.7	1.7	2.4	5.3
19	97.5	1.7	1.9	1.9	.0	1.4	2.8
22	97.9	1.9	.9	.0	1.9	1.6	2.4

JUNE

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	5.3	63.6	45.5	40.9	40.9	31.8	59.1	36.4	45.5	27.3	19.0
4	4.1	70.6	70.6	70.6	58.8	64.7	58.8	70.6	29.4	29.4	11.8
7	5.3	81.8	68.2	59.1	63.6	59.1	63.6	27.3	28.6	19.0	23.8
10	6.2	73.1	73.1	73.1	57.7	46.2	19.2	16.0	12.0	12.0	16.0
13	13.2	67.3	60.0	45.5	27.3	16.4	13.0	11.1	9.3	13.0	24.1
16	16.5	63.8	56.5	37.7	11.6	10.4	9.0	7.5	14.9	22.4	32.8
19	11.8	44.9	36.7	22.4	12.5	10.4	8.3	14.6	22.9	25.0	20.8
22	4.8	70.0	55.0	30.0	30.0	25.0	30.0	45.0	35.0	30.0	15.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	94.7	2.5	2.5	2.0	3.3	4.8	10.6	15.4	9.9	3.5	4.3
4	95.9	1.5	1.7	2.5	4.0	11.0	14.7	9.2	3.8	4.0	3.5
7	94.7	2.0	2.8	3.3	10.4	14.2	8.9	3.5	3.8	3.1	4.3
10	93.8	3.1	5.4	9.2	13.8	9.5	3.8	4.4	3.3	4.9	5.4
13	86.8	8.8	8.8	12.2	9.4	3.0	3.9	2.8	4.7	5.0	11.1
16	83.5	7.8	7.5	6.6	3.4	4.0	2.9	4.9	4.3	11.0	13.0
19	88.2	5.7	4.3	2.4	4.1	3.0	4.9	4.9	11.5	15.0	9.8
22	95.2	2.0	3.0	3.8	2.5	4.3	4.8	11.2	15.2	10.2	3.8

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	66.7	66.7	33.3	66.7	33.3
4	.7	66.7	66.7	.0	.0	33.3	.0
7	.5	50.0	50.0	50.0	50.0	50.0	.0
10	1.9	50.0	62.5	62.5	25.0	.0	14.3
13	2.9	58.3	58.3	41.7	25.0	9.1	27.3
16	4.3	33.3	16.7	16.7	5.6	5.9	23.5
19	1.9	25.0	25.0	12.5	25.0	12.5	12.5
22	.7	33.3	33.3	33.3	33.3	.0	.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	85.7	71.4	71.4	71.4	71.4	28.6
4	1.9	100.0	100.0	100.0	100.0	75.0	25.0
7	3.4	92.9	71.4	78.6	78.6	50.0	21.4
10	2.9	91.7	91.7	91.7	75.0	41.7	25.0
13	2.9	100.0	91.7	75.0	66.7	25.0	25.0
16	2.2	88.9	100.0	88.9	55.6	33.3	22.2
19	2.9	83.3	75.0	58.3	16.7	25.0	33.3
22	2.2	88.9	66.7	33.3	33.3	44.4	22.2

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	33.3	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.7	33.3	33.3	33.3	33.3	.0	.0
13	3.8	37.5	6.3	6.3	6.3	.0	18.8
16	6.5	40.7	22.2	3.7	.0	.0	18.5
19	1.9	12.5	.0	.0	.0	.0	.0
22	.5	50.0	.0	.0	.0	.0	.0

CRITERIA FOUR — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	41.7	25.0	25.0	16.7	16.7	9.1
4	1.7	28.6	28.6	42.9	14.3	42.9	.0
7	1.9	37.5	50.0	12.5	.0	37.5	14.3
10	1.0	50.0	25.0	25.0	25.0	.0	.0
13	5.8	54.2	41.7	20.8	8.3	4.3	8.7
16	8.6	55.6	36.1	25.0	2.8	.0	14.3
19	7.4	35.5	16.1	12.9	3.3	.0	13.3
22	2.2	22.2	44.4	11.1	.0	11.1	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	1.0	.5	.2	.2	2.4	.5
4	99.3	.5	.5	.5	1.9	4.1	.7
7	99.5	1.0	1.9	1.7	2.7	1.7	.5
10	98.1	1.2	1.2	1.7	3.9	.7	1.7
13	97.1	2.7	4.0	3.2	1.2	.5	2.2
16	95.7	2.8	2.8	1.3	.5	.5	3.3
19	98.1	1.0	.0	.5	.2	.2	1.5
22	99.3	.2	1.0	.5	.5	1.9	.7

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	.2	.7	.7	2.2	1.7	1.0
4	98.1	.5	.7	1.5	1.0	.7	1.2
7	96.6	.0	.2	.2	.2	1.2	2.5
10	97.1	.0	.2	.2	.0	1.0	2.0
13	97.1	.0	.0	.0	1.0	.7	2.0
16	97.8	.5	.7	1.0	1.0	1.0	1.5
19	97.1	.0	.2	.5	1.0	2.5	1.7
22	97.8	.2	.5	.7	1.0	1.7	1.5

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.7	.0	.0	.0	3.9	.5
4	100.0	.2	.2	.0	.7	6.5	.0
7	100.0	.2	.0	.7	3.8	1.9	.0
10	99.3	1.4	1.9	3.6	6.3	.5	.7
13	96.2	4.2	4.7	6.5	1.7	.5	3.3
16	93.5	2.6	1.8	1.8	.5	.0	5.9
19	98.1	2.0	1.0	.5	.5	.0	1.7
22	99.5	.2	.2	.5	.0	.7	.5

CRITERIA FOUR — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	1.2	1.7	1.0	1.5	5.4	3.0
4	98.3	.7	1.0	1.2	.7	8.0	1.7
7	98.1	1.2	.5	.7	5.9	6.8	2.0
10	99.0	1.7	3.4	5.6	8.5	2.2	1.0
13	94.2	4.8	5.1	7.9	7.4	3.1	5.4
16	91.4	6.0	6.6	5.8	2.1	1.8	7.9
19	92.6	3.9	3.9	1.3	3.1	2.3	6.8
22	97.8	2.0	1.5	3.0	1.7	.7	2.0

JULY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	.5	100.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0
4	.9	75.0	50.0	25.0	25.0	.0	75.0	50.0	.0	.0	.0
7	1.4	50.0	50.0	33.3	16.7	16.7	33.3	.0	.0	.0	.0
10	2.5	27.3	36.4	27.3	18.2	18.2	.0	.0	.0	9.1	.0
13	7.4	59.4	37.5	31.3	18.8	6.3	3.1	.0	.0	3.1	18.8
16	15.7	52.9	45.6	25.0	8.8	.0	1.5	1.5	4.4	17.6	27.9
19	10.6	52.2	28.3	10.9	.0	.0	.0	.0	10.9	23.9	17.4
22	3.2	42.9	30.8	7.1	.0	7.1	14.3	28.6	28.6	21.4	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	99.5	.5	1.4	.9	1.4	2.5	7.2	15.7	10.6	3.2	.2
4	99.1	1.2	1.2	1.2	2.3	7.4	15.1	10.2	3.3	.2	.9
7	98.6	1.2	1.2	2.1	7.2	15.7	10.3	3.3	.2	.9	1.2
10	97.5	3.1	5.4	6.9	15.6	10.4	3.3	.2	.9	.9	2.6
13	92.6	6.7	10.0	14.4	10.0	3.0	.0	1.0	1.2	2.5	6.5
16	84.3	8.2	9.8	7.9	2.2	.3	.8	1.1	2.2	5.5	14.2
19	89.4	3.9	3.6	2.3	.3	1.0	1.3	2.8	7.0	15.5	10.1
22	96.8	1.0	1.4	.0	1.0	1.0	2.1	6.7	16.0	10.5	3.3

JULY

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	.0	.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	.0	.0
7	.2	100.0	100.0	100.0	100.0	.0	.0
10	.7	33.3	33.3	33.3	.0	.0	.0
13	2.8	25.0	16.7	25.0	8.3	8.3	.0
16	4.6	15.0	10.0	.0	10.0	.0	5.0
19	.9	50.0	.0	.0	.0	.0	.0
22	.5	50.0	50.0	.0	.0	50.0	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	100.0	100.0	100.0	100.0	.0	.0
19	.2	100.0	100.0	100.0	.0	.0	.0
22	.2	100.0	100.0	.0	.0	.0	.0

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	100.0	.0
7	.2	100.0	.0	.0	.0	.0	.0
10	.2	100.0	100.0	.0	.0	.0	.0
13	2.1	55.6	22.2	11.1	.0	.0	11.1
16	6.2	44.4	14.8	7.4	3.7	.0	11.1
19	3.2	50.0	28.6	14.3	.0	.0	7.1
22	.9	25.0	.0	.0	.0	25.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.7	6.7	33.3	.0	.0	66.7	.0
7	.9	25.0	25.0	25.0	.0	25.0	.0
10	1.8	.0	12.5	12.5	25.0	.0	.0
13	3.9	41.2	17.6	23.5	17.6	.0	17.6
16	8.8	44.7	39.5	26.3	.0	2.6	18.4
19	7.6	39.4	15.2	3.0	.0	.0	12.1
22	1.8	25.0	12.5	.0	.0	.0	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	.2	.2	.2	2.8	.2
4	99.8	.2	.2	.2	.7	4.6	.2
7	99.8	.7	.5	.5	2.5	.9	.2
10	99.3	.2	1.9	2.6	4.6	.5	.7
13	97.2	1.9	3.3	4.0	.7	.0	2.8
16	95.4	2.7	1.7	1.0	.0	.2	4.6
19	99.1	.5	.2	.5	.2	.2	.9
22	99.5	.0	.0	.2	.2	.5	.5

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.2	.0
7	100.0	.0	.0	.0	.0	.2	.0
10	100.0	.0	.0	.0	.2	.2	.0
13	100.0	.2	.2	.2	.2	.0	.0
16	99.8	.0	.0	.0	.0	.0	.2
19	99.8	.0	.0	.0	.0	.0	.2
22	99.8	.0	.0	.0	.0	.0	.2

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.2	.2	.2	2.1	.0
4	99.8	.0	.0	.2	.2	6.0	.2
7	99.8	.0	.2	.2	2.1	3.2	.2
10	99.8	1.6	2.8	2.1	6.2	.9	.2
13	97.9	3.1	5.6	6.1	3.3	.0	1.9
16	93.8	4.4	4.2	2.9	.7	.2	5.9
19	96.8	1.4	1.7	.5	.0	.2	3.1
22	99.1	.5	.5	.0	.2	.0	.9

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	.9	.7	.9	3.9	.0
4	99.3	.9	1.4	.9	1.9	8.4	.7
7	99.1	.7	.7	1.6	4.0	7.4	.7
10	98.2	2.3	2.3	3.8	8.5	1.9	1.9
13	96.1	3.8	4.8	8.2	7.2	.0	3.4
16	91.2	5.3	7.8	5.8	2.0	.5	8.8
19	92.4	3.5	3.0	1.7	.0	.7	7.5
22	98.2	.9	1.6	.0	.7	1.9	1.9

AUGUST

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	2.8	41.7	33.3	33.3	25.0	25.0	25.0	16.7	16.7	25.0	8.3
4	.9	100.0	75.0	75.0	50.0	50.0	50.0	25.0	25.0	25.0	25.0
7	1.2	60.0	60.0	60.0	60.0	60.0	40.0	40.0	20.0	20.0	20.0
10	2.3	30.0	40.0	50.0	20.0	20.0	30.0	11.1	11.1	11.1	.0
13	8.8	60.5	52.6	42.1	10.5	7.9	8.1	2.7	2.7	.0	13.5
16	14.7	50.8	39.7	22.2	4.8	8.1	3.2	3.2	3.2	14.5	19.4
19	7.0	46.7	23.3	23.3	10.0	3.3	6.7	3.3	6.7	23.3	16.7
22	2.8	41.7	33.3	25.0	8.3	8.3	.0	16.7	16.7	25.0	8.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	97.2	.7	.5	.0	.5	1.7	8.4	14.6	6.7	2.2	2.4
4	99.1	.7	.5	.5	1.9	8.5	14.3	6.8	2.6	2.4	.5
7	98.8	1.2	1.9	1.6	8.2	14.1	6.6	2.4	2.4	.5	1.0
10	97.7	5.5	6.7	7.9	14.5	6.7	2.1	2.4	.5	1.0	2.4
13	91.2	5.4	9.7	12.0	6.6	2.3	2.1	.5	1.0	2.6	8.5
16	85.3	6.0	6.8	4.4	2.5	1.6	.3	.8	2.2	6.0	12.9
19	93.0	4.2	2.0	1.3	2.0	.5	.8	2.3	9.1	13.1	6.6
22	97.2	1.7	2.7	1.9	.5	1.0	2.4	8.7	13.8	6.8	2.7

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	50.0	50.0	50.0	50.0	.0
4	.2	100.0	100.0	100.0	100.0	.0	.0
7	.2	100.0	100.0	100.0	100.0	.0	.0
10	.5	.0	.0	50.0	.0	.0	.0
13	1.2	60.0	20.0	20.0	.0	.0	.0
16	2.6	36.4	.0	.0	.0	.0	9.1
19	.7	33.3	.0	.0	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	100.0	100.0	100.0	100.0	50.0	50.0
4	.5	100.0	100.0	100.0	50.0	50.0	50.0
7	.7	66.7	66.7	66.7	66.7	66.7	33.3
10	.5	100.0	100.0	100.0	100.0	100.0	.0
13	.5	100.0	100.0	100.0	100.0	50.0	.0
16	.5	100.0	100.0	100.0	100.0	50.0	.0
19	.5	100.0	100.0	100.0	50.0	50.0	.0
22	.5	100.0	50.0	50.0	50.0	.0	.0

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	4.2	44.4	16.7	16.7	.0	5.9	11.8
16	5.8	36.0	8.0	.0	.0	.0	8.3
19	.7	66.7	33.3	33.3	33.3	.0	.0
22	.7	33.3	33.3	33.3	.0	.0	.0

CRITERIA FOUR — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	33.3	.0	16.7	.0	16.7	.0
4	.2	100.0	.0	.0	.0	100.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	1.6	14.3	14.3	14.3	.0	14.3	.0
13	4.7	40.0	35.0	25.0	.0	.0	.0
16	9.8	38.1	33.3	21.4	.0	2.4	9.8
19	5.8	40.0	12.0	16.0	4.0	4.0	20.0
22	1.4	33.3	33.3	16.7	.0	.0	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.0	.9	.2
4	99.8	.0	.0	.0	.2	2.6	.0
7	99.8	.2	.7	.2	.9	.7	.0
10	99.5	.9	.9	.9	2.6	.2	.2
13	98.8	1.6	2.4	2.4	.7	.2	1.0
16	97.4	1.7	1.4	.7	.2	.0	2.2
19	99.3	.9	.7	.2	.2	.0	.7
22	99.8	.7	.2	.2	.0	.2	.2

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.2	.2	.2
4	99.5	.0	.0	.2	.2	.2	.2
7	99.3	.0	.0	.0	.0	.0	.5
10	99.5	.0	.0	.0	.0	.0	.5
13	99.5	.0	.0	.0	.0	.2	.5
16	99.5	.0	.0	.0	.0	.2	.5
19	99.5	.0	.0	.0	.2	.5	.5
22	99.5	.0	.2	.2	.2	.5	.5

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.0	.2	.0	.0	4.2	.7
4	100.0	.0	.0	.0	.0	5.8	.0
7	100.0	.0	.0	.0	4.2	.7	.0
10	100.0	2.8	4.0	4.2	5.8	.7	.0
13	95.8	1.7	4.4	5.3	.7	.5	4.2
16	94.2	2.0	2.0	.7	.7	.0	5.5
19	99.3	.9	.7	.5	.5	.0	.9
22	99.3	.2	.7	.5	.0	.0	.7

CRITERIA FOUR — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.7	.5	.0	.2	4.5	1.2
4	99.8	.7	.5	.2	1.6	9.6	.2
7	99.8	.9	1.2	1.6	4.7	5.8	.5
10	98.4	2.6	3.1	4.5	9.9	1.2	1.9
13	95.3	3.9	6.6	9.0	6.1	1.2	4.9
16	90.2	5.7	5.9	4.1	1.5	.0	9.1
19	94.2	3.2	.7	.5	1.0	.2	5.0
22	98.6	1.2	1.9	1.0	.2	1.9	1.4

SEPTEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	6.0	60.0	44.0	44.0	36.0	32.0	40.0	36.0	24.0	20.0	20.0
4	5.8	62.5	37.5	37.5	37.5	45.8	37.5	33.3	25.0	22.7	22.7
7	5.5	82.6	56.5	56.5	39.1	34.8	26.1	21.7	27.3	18.2	22.7
10	7.2	63.3	66.7	43.3	43.3	26.7	23.3	28.6	14.3	21.4	21.4
13	10.4	46.5	41.9	41.9	32.6	18.6	17.1	12.2	17.1	19.5	24.4
16	13.0	48.1	38.9	35.2	22.2	13.5	15.4	17.3	26.9	17.3	21.2
19	9.4	69.2	43.6	35.9	18.9	16.2	21.6	18.9	18.9	35.1	13.5
22	8.9	59.5	41.2	41.2	26.5	23.5	26.5	29.4	29.4	26.5	14.7

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	94.0	3.3	2.6	3.3	3.6	5.6	8.5	11.5	8.5	8.2	4.9
4	94.2	3.1	3.6	3.6	5.4	8.2	11.5	7.9	7.9	4.9	4.6
7	94.5	2.0	6.1	4.3	8.7	11.7	8.4	6.2	4.6	4.9	4.1
10	92.8	5.2	4.7	7.8	10.6	8.1	7.8	4.2	5.0	3.9	6.0
13	89.6	6.5	6.5	9.7	6.7	7.8	4.6	4.9	3.8	5.7	8.9
16	87.0	5.0	8.3	5.5	6.9	4.7	4.2	3.4	4.2	9.5	11.7
19	90.6	3.5	5.6	6.1	4.6	4.6	3.5	5.9	9.7	10.7	8.6
22	91.1	2.9	2.4	2.7	3.7	3.5	5.3	8.8	11.4	7.4	8.2

SEPTEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.4	80.0	80.0	70.0	60.0	60.0	30.0
4	2.4	90.0	90.0	80.0	70.0	70.0	44.4
7	2.2	100.0	77.8	66.7	77.8	44.4	33.3
10	2.9	91.7	83.3	75.0	75.0	41.7	27.3
13	3.6	86.7	73.3	60.0	40.0	35.7	42.9
16	3.6	66.7	60.0	53.3	53.3	30.8	23.1
19	2.2	88.9	66.7	77.8	71.4	42.9	14.3
22	2.9	66.7	50.0	60.0	70.0	50.0	30.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	100.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.7	66.7	33.3	33.3	.0	33.3	33.3
10	.2	100.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	100.0	100.0	100.0	100.0	.0	.0
19	.2	100.0	100.0	100.0	100.0	100.0	.0
22	.2	100.0	100.0	100.0	.0	100.0	.0

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	50.0	25.0	25.0	25.0	.0	.0
4	.2	100.0	.0	.0	.0	.0	.0
7	.5	100.0	00.0	50.0	.0	.0	.0
10	1.4	.0	.0	.0	.0	.0	.0
13	1.2	40.0	.0	.0	20.0	.0	.0
16	1.9	37.5	12.5	12.5	12.5	.0	.0
19	3.4	50.0	21.4	21.4	7.1	7.1	21.4
22	1.7	42.9	57.1	28.6	.0	.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.4	42.9	7.1	14.3	7.1	21.4	14.3
4	3.9	31.3	6.3	18.8	18.8	12.5	6.7
7	3.4	64.3	28.6	35.7	28.6	14.3	7.7
10	3.6	40.0	53.3	40.0	13.3	20.0	15.4
13	8.0	24.2	21.2	24.2	15.2	9.7	12.9
16	8.9	35.1	21.6	16.2	10.8	13.5	16.2
19	6.3	42.3	30.8	15.4	.0	11.5	3.8
22	6.5	44.4	20.0	20.0	12.0	12.0	8.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.6	.0	.5	.7	.7	2.2	1.5
4	97.6	.0	.0	.2	1.2	2.0	1.2
7	97.8	.5	1.5	1.5	2.0	1.2	1.2
10	97.1	.5	.5	1.5	1.5	1.7	2.3
13	96.4	1.5	1.7	1.5	.6	1.0	2.3
16	96.4	1.0	1.3	.3	1.0	1.3	3.0
19	97.8	1.0	1.7	1.2	1.0	1.2	1.7
22	97.1	.0	.0	.8	.5	1.7	2.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.5	.0	.2
4	100.0	.2	.5	.7	.2	.2	.0
7	99.3	.0	.0	.0	.0	.0	.5
10	99.8	.0	.0	.0	.2	.2	.2
13	100.0	.0	.2	.2	.2	.2	.0
16	99.8	.0	.0	.0	.0	.0	.2
19	99.8	.0	.0	.0	.0	.5	.2
22	99.8	.0	.0	.0	.0	.0	.2

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.2	.2	.0	.2	1.2	1.0
4	99.8	.2	.2	.5	1.4	1.9	.2
7	99.5	.5	.7	1.2	1.2	3.4	.5
10	98.6	.7	.2	1.2	2.0	1.7	1.5
13	98.8	2.2	2.0	2.0	3.2	1.0	1.2
16	98.1	1.0	2.5	3.2	1.5	.2	2.2
19	96.6	.2	.7	1.0	.8	.3	2.8
22	98.3	.2	.2	.5	.2	1.5	1.7

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.6	3.2	3.5	3.5	3.2	7.5	3.0
4	96.1	3.0	3.3	2.8	3.0	8.8	3.8
7	96.6	1.0	4.2	2.5	7.2	6.0	2.8
10	96.4	4.7	4.7	6.7	8.8	6.0	3.0
13	92.0	5.0	3.7	7.6	5.5	2.9	7.4
16	91.1	4.5	6.3	5.3	6.1	2.9	8.3
19	93.7	3.1	4.1	5.9	3.6	2.3	6.3
22	93.5	3.6	2.3	2.3	3.4	2.9	6.5

OCTOBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	7.7	69.7	60.6	48.5	42.4	39.4	36.4	39.4	42.4	27.3	18.8
4	7.0	73.3	63.3	53.3	43.3	33.3	36.7	23.3	20.0	10.0	6.7
7	8.4	69.4	55.6	50.0	38.9	50.0	36.1	22.2	14.7	8.8	5.9
10	7.7	69.7	60.6	60.6	60.6	45.5	30.3	15.6	12.5	12.5	15.6
13	10.7	60.9	63.0	63.0	37.0	34.8	22.2	8.9	13.3	13.3	15.6
16	12.8	67.3	45.5	40.0	36.4	24.5	17.0	18.9	17.0	18.9	18.9
19	10.3	79.5	56.8	52.3	41.5	34.1	31.7	22.0	29.3	34.1	26.8
22	9.3	75.0	56.4	61.5	41.0	35.9	28.2	25.6	33.3	25.6	20.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	92.3	2.3	3.5	3.5	5.6	5.1	8.6	10.6	7.6	7.8	7.1
4	93.0	1.5	4.0	5.0	5.0	9.0	11.0	9.3	8.5	7.9	7.1
7	91.6	2.3	3.8	3.8	8.1	9.4	7.9	8.1	7.4	6.9	8.7
10	92.3	4.0	5.3	6.6	8.8	7.3	7.6	7.4	6.6	8.2	7.1
13	89.3	4.2	5.5	5.8	7.0	6.3	6.3	6.9	7.9	7.1	10.0
16	87.2	3.2	4.8	5.9	5.3	5.7	5.7	7.0	6.5	9.4	12.1
19	89.7	4.4	3.9	4.4	4.4	4.2	6.0	6.3	8.6	10.7	8.6
22	90.7	2.8	3.4	2.6	3.6	5.7	5.7	9.1	10.9	8.8	8.8

OCTOBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	25.0	25.0	50.0	50.0	.0
4	.9	75.0	75.0	75.0	25.0	.0	.0
7	1.9	62.5	50.0	25.0	25.0	12.5	14.3
10	1.6	71.4	71.4	57.1	57.1	14.3	16.7
13	1.6	28.6	28.6	42.9	14.3	16.7	16.7
16	1.6	28.6	28.6	14.3	14.3	16.7	.0
19	.7	33.3	33.3	66.7	.0	50.0	.0
22	1.2	80.0	50.0	50.0	25.0	25.0	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.4	100.0	84.2	78.9	63.2	52.6	21.1
4	3.5	100.0	100.0	80.0	60.0	46.7	6.7
7	4.0	82.4	70.6	64.7	58.8	41.2	5.9
10	3.5	93.3	93.3	93.3	80.0	46.7	13.3
13	4.4	89.5	78.9	78.9	63.2	31.6	21.1
16	4.2	94.4	83.3	83.3	66.7	33.3	27.8
19	5.6	100.0	83.3	79.2	62.5	37.5	29.2
22	4.9	90.5	85.7	81.0	66.7	42.9	28.6

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	.0	.0	.0	.0	.0
4	.5	50.0	.0	.0	.0	.0	.0
7	.2	100.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	1.2	20.0	40.0	40.0	.0	.0	.0
16	.9	25.0	.0	.0	.0	.0	.0
19	.5	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.0	7.7	15.4	7.7	.0	.0	7.7
4	2.6	27.3	.0	.0	9.1	27.3	.0
7	2.6	27.3	18.2	18.2	.0	18.2	.0
10	2.6	27.3	9.1	9.1	18.2	9.1	9.1
13	4.0	29.4	58.8	41.2	11.8	5.9	5.9
16	7.0	53.3	23.3	13.3	16.7	.0	10.3
19	4.4	47.4	21.1	10.5	5.9	5.9	11.8
22	3.7	37.5	12.5	25.0	6.3	6.3	6.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	1.2	.2	.7	1.4	1.2	1.0
4	99.1	.7	.5	1.2	1.4	1.6	1.0
7	98.1	.5	.7	1.2	1.2	.5	1.7
10	98.4	1.2	.7	.7	.7	.9	1.2
13	98.4	.7	1.2	.9	.5	.7	1.2
16	98.4	.9	1.2	.5	.9	.7	1.4
19	99.3	.7	.9	.7	.9	1.7	.7
22	98.8	.7	.5	.5	.7	1.2	1.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.6	.0	.0	.0	1.2	2.2	3.7
4	96.5	.0	.5	1.2	1.4	2.7	3.4
7	96.0	.5	.5	1.0	2.2	4.1	3.9
10	96.5	.2	1.0	1.2	1.4	3.4	3.4
13	95.6	.2	.7	.7	2.9	3.2	4.0
16	95.8	1.0	1.7	2.2	2.2	2.2	3.7
19	94.4	.2	.2	.5	1.0	2.0	4.7
22	95.1	.2	.5	.5	.2	1.7	4.2

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.2	.5	.2	1.2	.2
4	99.5	.0	.2	.2	.0	.9	.5
7	99.8	.0	.2	.0	1.2	.5	.2
10	100.0	.2	.7	1.2	.9	.0	.0
13	98.8	.2	.7	.5	.5	.2	1.0
16	99.1	.5	.7	.5	.0	.5	.7
19	99.5	.5	.2	.0	.2	.2	.2
22	100.0	.5	.2	.2	.5	.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.0	1.7	3.1	2.4	2.6	4.1	3.2
4	97.4	.7	3.1	2.6	2.4	6.5	2.7
7	97.4	2.2	2.9	2.2	4.1	4.1	2.7
10	97.4	2.9	3.1	3.8	6.7	3.6	2.4
13	96.0	3.4	3.6	5.6	4.1	3.2	3.9
16	93.0	2.0	3.3	3.8	2.8	2.8	6.3
19	95.6	3.7	2.2	3.4	3.2	2.5	3.9
22	96.3	1.9	2.5	2.5	2.5	2.5	3.7

NOVEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	8.8	73.0	64.9	64.9	54.1	45.9	43.2	43.2	51.4	35.1	21.6
4	8.3	85.7	74.3	71.4	62.9	62.9	60.0	57.1	40.0	34.3	22.9
7	10.0	73.8	66.7	59.5	52.4	54.8	57.1	38.1	23.8	16.7	26.2
10	10.7	71.1	71.1	64.4	64.4	62.2	44.4	40.0	28.9	28.9	26.7
13	9.8	85.4	80.5	78.0	68.3	53.7	51.2	34.1	36.6	34.1	29.3
16	10.7	93.3	80.0	80.0	64.4	57.8	44.4	42.2	40.0	35.6	33.3
19	13.1	89.1	70.9	63.6	49.1	40.0	40.0	29.1	27.3	27.3	30.9
22	10.0	85.7	61.0	66.7	54.8	54.8	40.5	38.1	35.7	40.5	28.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	91.2	1.6	2.1	2.9	5.7	7.3	6.5	7.6	9.4	7.6	8.4
4	91.7	2.3	2.9	4.4	6.0	4.9	6.2	9.1	7.3	7.3	7.5
7	90.0	2.4	2.1	5.3	5.0	5.8	8.2	6.9	7.9	7.9	8.5
10	89.3	2.9	3.7	3.2	4.3	7.2	5.9	5.9	6.4	8.0	8.8
13	90.2	3.7	5.0	3.4	7.1	5.3	5.0	6.1	7.4	8.2	7.4
16	89.3	2.9	5.3	5.1	3.5	3.7	4.5	6.4	7.2	6.4	7.5
19	86.9	1.9	.5	1.9	3.6	4.1	5.8	7.9	6.8	7.7	9.9
22	90.0	2.6	1.9	3.2	3.7	5.3	7.4	6.3	7.4	9.5	7.4

NOVEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	.0	.0	.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	100.0	.0
7	.2	100.0	100.0	.0	.0	.0	.0
10	1.9	87.5	50.0	50.0	.0	.0	.0
13	1.9	75.0	37.5	25.0	.0	.0	.0
16	1.0	50.0	.0	.0	25.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.5	100.0	.0	100.0	.0	.0	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.7	95.8	87.5	83.3	79.2	62.5	29.2
4	6.0	100.0	96.0	96.0	80.0	72.0	24.0
7	7.1	93.3	90.0	80.0	70.0	66.7	26.7
10	6.4	92.6	92.6	88.9	88.9	63.0	33.3
13	6.9	100.0	96.6	93.1	86.2	51.7	34.5
16	8.1	97.1	94.1	94.1	73.5	47.1	38.2
19	10.7	97.8	82.2	68.9	55.6	44.4	35.6
22	7.4	93.5	76.7	77.4	64.5	45.2	32.3

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	100.0	100.0	.0	.0
4	.2	100.0	100.0	100.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	100.0	.0	.0	.0	.0	.0
19	.2	100.0	100.0	100.0	.0	.0	.0
22	.5	100.0	50.0	.0	.0	.0	.0

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	25.0	25.0	25.0	.0	.0	.0
4	2.1	33.3	.0	.0	11.1	11.1	11.1
7	2.6	27.3	.0	.0	.0	9.1	9.1
10	3.1	15.4	23.1	7.7	7.7	.0	.0
13	1.2	.0	20.0	.0	.0	20.0	.0
16	1.7	85.7	42.9	42.9	28.6	.0	.0
19	2.4	50.0	20.0	30.0	10.0	.0	10.0
22	1.7	42.9	.0	.0	14.3	14.3	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	.5	.2	.2	1.9	1.0
4	99.8	.2	.2	.2	1.9	.7	.5
7	99.8	.7	1.2	1.9	1.9	.5	.2
10	98.1	1.5	1.7	1.0	1.0	.5	1.9
13	98.1	1.0	1.0	.5	.5	1.0	1.9
16	99.0	.7	.5	.5	.2	.5	1.0
19	99.5	.5	.5	.5	1.0	.2	.5
22	99.5	.5	.7	.5	.5	1.9	.5

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.3	.0	.0	1.3	2.8	3.5	5.1
4	94.0	.5	.8	1.5	1.8	4.1	5.1
7	92.9	.0	.0	.8	2.1	6.4	5.9
10	93.6	.5	.8	1.3	2.5	3.6	4.3
13	93.1	.3	1.3	1.8	5.1	3.1	4.6
16	91.9	1.0	2.6	3.4	1.6	2.6	4.9
19	89.3	.0	.0	.0	.5	2.9	7.2
22	92.6	.0	.3	.8	1.5	3.1	4.9

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.0	.0	.2
4	99.8	.0	.0	.0	.0	.2	.2
7	99.8	.0	.0	.0	.0	.2	.2
10	100.0	.0	.0	.0	.2	.5	.0
13	100.0	.2	.2	.2	.2	.2	.0
16	99.8	.0	.5	.2	.5	.2	.2
19	99.8	0	.0	.2	.2	.2	.2
22	99.5	.0	.0	.2	.2	.0	.5

CRITERIA FOUR PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	1.5	1.5	1.5	2.7	1.2	2.7
4	97.9	1.9	1.9	2.7	2.9	1.5	1.9
7	97.4	2.0	1.5	3.2	1.2	2.2	2.4
10	96.9	.7	1.2	1.0	1.5	1.7	3.4
13	98.8	2.7	3.4	1.7	2.4	2.4	1.2
16	98.3	2.2	2.4	1.7	1.2	2.2	1.7
19	97.6	1.2	.2	1.0	2.4	2.7	2.2
22	98.3	2.2	1.0	2.7	1.9	3.1	1.7

DECEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	12.4	79.6	72.2	61.1	59.3	46.3	40.7	31.5	29.6	25.9	22.2
4	9.9	83.7	81.4	79.1	62.8	58.1	44.2	37.2	37.2	32.6	30.2
7	11.3	79.6	75.5	73.5	59.2	42.9	38.8	40.8	36.7	28.6	26.5
10	11.8	76.5	70.6	66.7	49.0	47.1	47.1	43.1	31.4	27.5	29.4
13	12.0	80.8	73.1	57.7	50.0	51.9	50.0	30.8	32.7	36.5	28.8
16	9.0	84.6	74.4	71.8	61.5	59.0	38.5	35.9	43.6	35.9	33.3
19	10.6	80.4	78.3	69.6	60.9	41.3	43.5	41.3	32.6	28.3	26.1
22	11.5	76.0	74.0	72.0	52.0	52.0	52.0	38.0	36.0	36.0	32.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	87.6	1.1	1.8	2.6	4.5	6.8	7.9	5.8	7.9	9.5	10.8
4	90.1	.8	3.6	3.8	6.1	6.9	5.1	7.7	8.7	10.0	7.7
7	88.7	2.6	2.1	3.9	6.0	4.7	7.0	7.8	9.1	7.5	9.6
10	88.2	2.1	3.4	4.7	3.7	5.7	6.8	8.1	7.0	9.4	9.9
13	88.0	2.4	2.9	2.4	5.2	6.0	7.1	7.1	8.6	8.9	10.5
16	91.0	1.8	3.5	4.6	6.6	7.6	7.1	9.1	9.1	10.4	7.3
19	89.4	2.3	3.6	4.6	6.4	6.2	7.7	8.8	10.3	7.5	9.5
22	88.5	1.8	2.6	4.4	4.4	6.3	7.0	9.4	6.3	8.1	9.6

DECEMBER

KSC LAUNCH PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.6	57.1	57.1	42.9	28.6	14.3	.0
4	.9	75.0	75.0	50.0	50.0	25.0	.0
7	1.6	57.1	85.7	85.7	42.9	.0	.0
10	3.5	73.3	46.7	46.7	6.7	20.0	6.7
13	4.1	61.1	44.4	5.6	5.6	16.7	.0
16	.9	50.0	25.0	25.0	25.0	.0	.0
19	.9	50.0	50.0	25.0	25.0	.0	.0
22	1.8	50.0	37.5	25.0	12.5	25.0	12.5

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	9.2	92.5	82.5	72.5	70.0	50.0	27.5
4	7.8	97.1	94.1	94.1	70.6	52.9	29.4
7	9.4	82.9	73.2	68.3	58.5	43.9	29.3
10	6.9	83.3	83.3	83.3	73.3	63.3	30.0
13	6.9	93.3	90.0	86.7	80.0	66.7	43.3
16	6.7	96.6	93.1	89.7	75.9	48.3	34.5
19	9.2	85.0	80.0	72.5	62.5	47.5	27.5
22	8.1	94.3	88.6	88.6	65.7	48.6	34.3

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	100.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA FOUR — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.5	36.4	36.4	18.2	9.1	9.1	9.1
4	1.4	.0	.0	.0	.0	.0	.0
7	.5	50.0	50.0	50.0	.0	.0	.0
10	1.8	37.5	12.5	12.5	.0	12.5	12.5
13	1.8	37.5	12.5	12.5	12.5	.0	.0
16	1.8	37.5	12.5	.0	.0	.0	12.5
19	1.2	60.0	60.0	20.0	.0	.0	.0
22	2.3	20.0	20.0	30.0	10.0	30.0	10.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.4	.0	.5	.2	1.2	4.0	1.6
4	99.1	.2	.7	1.2	3.0	.7	.7
7	98.4	1.2	1.4	2.1	3.5	.9	1.6
10	96.5	.7	1.7	2.6	.7	1.2	3.3
13	95.9	1.7	1.4	.7	.7	1.0	4.3
16	99.1	.7	.7	.7	1.6	.7	.9
19	99.1	.7	.7	1.6	1.4	1.6	.9
22	98.2	.5	.7	1.2	.5	3.1	1.6

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	90.8	.3	.8	1.3	3.3	2.5	7.1
4	92.2	.0	1.5	2.2	1.5	2.7	6.3
7	90.6	.3	.3	.5	1.5	5.6	7.6
10	93.1	.2	.5	1.2	1.7	4.0	5.9
13	93.1	.2	.2	.7	4.0	4.7	5.0
16	93.3	.5	1.7	3.5	3.2	5.2	5.2
19	90.8	.8	.8	1.5	3.6	5.8	8.1
22	91.9	.5	1.3	2.0	3.0	4.0	6.5

CRITERIA THREE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.2	.2	.0
7	100.0	.2	.2	.2	.0	.2	.0
10	99.8	.5	.2	.0	.2	.2	.2
13	100.0	.2	.0	.2	.2	.0	.0
16	99.8	.0	.0	.0	.2	.0	.2
19	99.8	.0	.0	.2	.0	.0	.2
22	99.8	.0	.0	.0	.0	.2	.2

CRITERIA FOUR — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.5	1.4	1.2	.9	.2	1.7	2.4
4	98.6	1.4	1.2	.5	1.9	1.9	1.4
7	99.5	1.6	.5	1.6	1.9	1.2	.5
10	98.2	1.2	1.6	1.6	1.9	2.1	1.6
13	98.2	.9	1.6	1.6	.9	2.6	1.9
16	98.2	.9	1.4	1.2	2.3	1.4	1.9
19	98.8	.7	2.3	2.1	2.6	.5	1.2
22	97.7	.9	1.2	1.9	1.2	1.2	2.1

JANUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	11.5	72.0	64.0	56.0	36.0	38.0	26.0	12.0	12.0	14.0	12.0
4	16.6	81.9	65.3	58.3	47.2	30.6	15.3	15.3	15.3	18.1	20.8
7	20.0	65.5	52.9	51.7	29.9	19.5	20.7	16.1	18.4	25.3	36.8
10	18.2	72.2	50.8	48.1	22.8	21.5	21.5	17.7	21.5	26.6	21.5
13	14.3	69.4	46.8	40.3	30.6	25.8	17.7	27.4	29.0	21.0	17.7
16	10.1	47.7	38.6	40.9	36.4	25.0	29.5	31.8	18.2	20.5	13.6
19	12.2	83.0	75.5	71.7	54.7	58.5	52.8	47.2	39.6	35.8	17.0
22	13.6	76.3	64.4	62.7	61.0	47.5	47.5	37.3	35.6	15.3	11.9

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	88.5	3.1	7.6	11.5	18.0	15.6	12.8	9.9	12.2	13.5	14.8
4	83.4	5.0	7.7	12.4	12.4	11.0	9.1	11.6	13.3	13.8	19.3
7	80.0	4.3	7.2	9.8	10.4	7.8	10.1	13.0	13.5	18.2	19.3
10	81.8	5.4	5.6	6.8	7.3	10.1	11.8	13.8	19.2	22.0	20.6
13	85.7	4.6	4.8	5.1	9.1	11.6	14.0	18.3	21.8	20.7	16.7
16	89.9	4.1	5.9	9.0	11.0	13.3	18.5	21.8	21.0	16.4	12.8
19	87.8	3.4	2.9	5.5	8.9	14.2	18.6	17.1	13.6	9.7	12.1
22	86.4	2.7	7.5	6.9	13.1	18.9	16.5	13.6	9.3	12.3	14.1

JANUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.6	57.1	57.1	28.6	28.6	42.9	.0
4	1.2	60.0	80.0	40.0	40.0	.0	.0
7	.9	75.0	50.0	50.0	25.0	.0	.0
10	3.5	46.7	46.7	40.0	6.7	6.7	6.7
13	5.1	68.2	45.5	31.8	9.1	4.5	4.5
16	3.7	12.5	.0	6.3	.0	.0	6.3
19	.9	50.0	50.0	50.0	50.0	.0	.0
22	1.4	50.0	33.3	50.0	16.7	33.3	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	83.3	50.0	33.3	16.7	16.7	.0
4	1.6	100.0	100.0	71.4	57.1	14.3	14.3
7	1.4	100.0	83.3	83.3	66.7	16.7	16.7
10	1.4	100.0	100.0	83.3	16.7	16.7	16.7
13	1.6	85.7	42.9	28.6	28.6	14.3	.0
16	.7	100.0	100.0	100.0	66.7	33.3	.0
19	4.4	94.7	94.7	89.5	84.2	84.2	5.3
22	3.9	100.0	94.1	94.1	94.1	88.2	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.0	73.1	73.1	61.5	42.3	11.5	3.8
4	9.7	85.7	61.9	45.2	35.7	7.1	9.5
7	11.8	72.5	64.7	54.9	25.5	17.6	29.4
10	10.1	68.2	52.3	36.4	15.9	15.9	13.6
13	6.2	63.0	48.1	40.7	29.6	14.8	11.1
16	4.4	57.9	63.2	57.9	36.8	26.3	15.8
19	5.3	82.6	65.2	60.9	39.1	34.8	17.4
22	5.5	79.2	58.3	54.2	41.7	25.0	8.3

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	80.0	80.0	60.0	60.0	.0	20.0
4	3.0	84.6	84.6	92.3	7.7	.0	15.4
7	8.3	55.6	25.0	8.3	.0	2.8	25.0
10	.9	25.0	.0	.0	.0	25.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	100.0	100.0	100.0	100.0	.0
22	.7	33.3	33.3	33.3	33.3	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	.0	.0	.0	.0	.0
4	.5	.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.5	36.4	36.4	36.4	9.1	9.1	18.2
4	4.1	50.0	27.8	22.2	11.1	5.6	16.7
7	2.1	22.2	11.1	33.3	.0	.0	.0
10	3.9	64.7	35.3	23.5	.0	5.9	.0
13	2.3	20.0	20.0	20.0	20.0	10.0	.0
16	1.8	25.0	.0	12.5	.0	12.5	.0
19	2.3	50.0	30.0	30.0	30.0	10.0	.0
22	3.5	46.7	26.7	26.7	13.3	6.7	.0

JANUARY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.4	.9	.9	.7	.5	4.4	1.4
4	98.8	.5	.2	.5	3.0	3.7	1.2
7	99.1	.5	.9	3.0	4.[illegible]	.9	1.2
10	96.5	2.6	3.1	3.8	3.6	1.2	3.6
13	94.9	2.9	3.2	2.2	.5	1.2	5.1
16	96.3	1.0	.7	.7	1.4	1.2	3.8
19	99.1	.5	.7	.9	9	1.2	1.2
22	98.6	.5	.9	.7	9	3.3	1.6

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.2	.7	1.2	1.2	1.[illegible]	4.4
4	98.4	.2	.2	.2	.5	.5	4.4
7	98.6	.0	.0	.2	.7	4.2	4.2
10	98.6	.2	.2	.5	.5	3.7	4.2
13	98.[illegible]	.0	.2	.2	4.0	4.2	4.7
16	99.3	.0	.2	3.7	3.5	4.4	3.9
19	95.6	.0	.0	.0	.7	.7	4.6
22	96.1	.0	.5	.7	1.0	1.0	[illegible].1

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.0	2.2	5.6	6.4	9.8	5.9	6.1
4	90 3	3.8	5.6	8.2	7.4	4.1	9.9
7	88.2	2.6	4.7	4.2	3.7	3.7	9.7
10	89.9	1.5	3.3	2.8	3.1	4.4	10.3
13	93.8	2.0	1.0	2.0	3.7	5.4	6.1
16	95.6	2.2	2.9	2.9	4.1	9.2	4.1
19	94.7	1 5	1.9	2.4	4.1	10.7	4.6
22	94.5	1.7	3.7	3.2	8.0	9.8	5.4

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.5	.9	2.3	7.7	.0	.9
4	97.0	1.2	2.4	5.7	.7	.0	2.6
7	91.7	.5	.8	.3	.0	.0	7.3
10	99.1	.0	.2	.0	.0	.5	1.2
13	100.0	.0	.0	.0	.2	1.2	.0
16	100.0	.2	.7	.2	.7	3.0	.0
19	99.9	.0	.0	.5	.9	8.5	.2
22	99.3	.5	1.9	.9	2.8	1.2	.7

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.0	.2	.0	.0	.0
4	99.8	.0	.0	.0	.0	.0	.2
7	100.0	.2	.2	.0	.0	.2	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.2	.0	.0
16	100.0	.0	.0	.2	.0	.2	.0
19	99.8	.0	.0	.0	.0	.0	.2
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.5	.2	.0	.2
4	99.5	.0	.0	.2	.2	.0	.5
7	99.8	.2	.5	.2	.0	.2	.2
10	99.8	.0	.0	.0	.0	.0	.2
13	100.0	.0	.0	.0	.2	.2	.0
16	100.0	.0	.0	.2	.0	.5	.0
19	99.8	.0	.0	.0	.2	.2	.2
22	100.0	.0	.0	.2	.5	.2	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.[illegible]	1.7	1.7	3.3	1.9	2.1	2.1
4	95.9	1.9	1.4	1.2	3.6	1.7	3.6
7	97.9	1.6	3.1	3.3	2.4	2.4	2.1
10	95.1	2.2	1.7	1.4	1.9	3.4	3.8
13	97.7	1.2	1.2	1.4	1.9	2.4	2.4
16	98.2	2.1	2.8	2.1	3.5	4.0	1.5
19	97.7	2.6	1.9	2.8	1.9	1.9	2.4
22	96.5	1.0	1.9	1.7	3.8	3.6	3.6

FEBRUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	17.3	89.7	76.5	67.6	63.2	57.4	55.9	50.0	26.5	26.5	23.5
4	16.8	89.4	84.8	77.3	63.6	59.1	53.0	30.3	28.8	28.8	19.7
7	21.4	81.0	71.4	65.5	59.5	47.6	29.8	33.3	29.8	28.6	31.0
10	20.4	83.7	73.7	66.2	55.0	33.7	31.3	27.5	27.5	26.2	28.7
13	20.2	87.3	81.0	67.1	39.2	34.2	31.6	30.4	29.1	30.4	25.3
16	19.1	85.3	68.9	52.0	38.7	33.3	26.7	28.0	25.3	24.0	22.7
19	14.8	74.1	70.7	65.5	46.6	34.5	36.2	39.7	39.7	39.7	31.0
22	14.8	70.7	62.1	56.9	51.7	48.3	48.3	41.4	41.4	32.8	32.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	82.7	4.0	7.1	6.2	12.7	12.7	12.7	12.7	12.3	12.3	11.7
4	83.2	5.2	8.6	10.1	11.7	12.3	12.3	11.7	12.0	10.7	12.3
7	78.6	4.9	6.5	8.1	9.4	11.4	10.7	9.7	9.4	9.4	14.6
10	79.6	2.9	7.1	8.3	9.9	9.9	10.6	10.3	9.9	16.0	14.4
13	79.8	7.0	6.1	7.0	8.6	9.9	9.3	9.3	15.3	14.1	14.7
16	80.9	4.7	4.7	6.0	9.1	9.1	10.4	15.8	15.5	15.1	14.5
19	85.2	3.3	6.3	6.0	8.1	9.9	15.0	13.5	12.9	12.0	11.7
22	85.2	3.3	4.2	6.3	6.9	12.9	12.0	12.6	11.7	11.4	12.0

FEBRUARY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS OT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.3	22.2	33.3	22.2	33.3	33.3	11.1
4	1.3	60.0	60.0	60.0	80.0	60.0	.0
7	1.5	83.3	83.3	100.0	100.0	83.3	.0
10	4.6	83.3	77.8	66.7	50.0	33.3	5.6
13	7.9	77.4	67.7	61.3	29.0	6.5	9.7
16	6.9	77.8	50.0	40.7	22.2	3.7	7.4
19	4.1	56.3	37.5	43.8	25.0	6.3	12.5
22	3.8	60.0	53.3	26.7	26.7	26.7	26.7

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	6.4	96.0	88.0	88.0	80.0	68.0	16.0
4	5.9	95.7	95.7	91.3	91.3	78.3	13.0
7	5.9	100.0	100.0	100.0	87.0	26.1	17.4
10	6.1	95.8	87.5	87.5	83.3	25.0	16.7
13	5.6	95.5	95.5	90.9	31.8	27.3	13.6
16	5.1	100.0	100.0	35.0	30.0	25.0	15.0
19	2.0	87.5	87.5	75.0	75.0	37.5	25.0
22	2.3	88.9	88.9	88.9	77.8	66.7	33.3

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	7.9	93.5	77.4	61.3	48.4	25.8	19.4
4	9.4	83.8	73.0	64.9	40.5	21.6	18.9
7	11.5	77.8	68.9	51.1	33.3	17.8	33.3
10	10.7	71.4	52.4	38.1	23.8	19.0	21.4
13	7.4	75.9	72.4	48.3	27.6	31.0	17.2
16	6.4	76.0	60.0	60.0	36.0	32.0	12.0
19	6.1	70.8	66.7	58.3	50.0	33.3	20.8
22	5.9	78 3	69.6	60.9	60.9	47.8	21.7

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.8	66.7	33.3	66.7	33.3	.0	.0
4	2.8	81.8	63.6	54.5	9.1	.0	9.1
7	4.8	63.2	42.1	10.5	.0	.0	15.8
10	.5	.0	.0	.0	.0	.0	.0
13	.3	100.0	.0	.0	.0	.0	.0
16	.5	50.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.3	100.0	100.0	100.0	100.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	50.0	50.0	.0	.0	.0
4	.3	100.0	100.0	.0	.0	.0	.0
7	.3	.0	.0	.0	.0	.0	.0
10	.3	100.0	.0	.0	.0	.0	.0
13	.3	100.0	100.0	.0	.0	.0	.0
16	.5	.0	.0	.0	.0	.0	.0
19	.3	.0	.0	.0	.0	.0	.0
22	.5	50.0	50.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.8	33.3	33.3	33.3	.0	.0	.0
4	.3	100.0	100.0	.0	.0	.0	.0
7	.3	.0	.0	.0	.0	.0	.0
10	.5	100.0	.0	.0	.0	.0	.0
13	.5	50.0	50.0	.0	.0	.0	.0
16	1.0	50.0	.0	.0	25.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.8	33.3	33.3	33.3	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.0	12.5	12.5	12.5	25.0	25.0	.0
4	1.0	50.0	25.0	25.0	25.0	25.0	.0
7	2.0	25.0	62.5	62.5	25.0	.0	.0
10	4.3	23.5	17.6	17.6	29.4	5.9	5.9
13	3.1	50.0	41.7	25.0	8.3	.0	.0
16	3.8	40.0	20.0	33.3	13.3	6.7	.0
19	4.1	62.5	37.5	25.0	12.5	25.0	.0
22	3.6	42.9	21.4	.0	.0	14.3	14.3

FEBRUARY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.7	1.0	.5	.8	.8	7.3	2.1
4	98.7	.3	.3	.8	3.6	6.2	1.3
7	98.5	1.0	2.3	3.1	6.5	2.8	1.3
10	95.4	1.3	3.7	5.1	4.8	2.4	4.5
13	92.1	3.0	3.3	2.2	1.9	1.9	7.8
16	93.1	2.2	1.9	1.4	2.5	1.1	6.8
19	95.9	.8	1.9	2.1	1.3	1.1	3.7
22	96.2	.3	.5	1.3	.3	3.7	2.9

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	93.6	.3	.3	.3	.8	1.4	1.9
4	94.1	.3	.3	.5	.8	.5	1.6
7	94.1	.0	.3	.3	.5	.5	1.4
10	93.9	.0	.0	.3	.0	.8	1.6
13	94.4	.0	.0	.0	.3	1.4	1.4
16	94.9	.8	.5	.3	.8	1.1	1.3
19	98.0	.3	.8	.8	1.3	1.6	1.8
22	97.7	.8	.8	.8	.5	1.0	2.1

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	92.1	3.0	6.1	5.0	8.3	5.8	6.9
4	90.6	2.8	4.8	5.9	7.6	4.8	8.5
7	88.5	5.2	4.3	5.5	4.0	4.6	8.4
10	89.3	2.0	2.9	3.7	4.3	4.3	8.9
13	92.6	1.9	2.8	3.0	4.4	6.1	6.1
16	93.6	1.4	2.2	2.5	3.8	7.9	5.4
19	93.9	2.4	3.8	2.4	5.2	9.8	4.9
22	94.1	1.4	1.9	4.6	6.2	7.9	4.6

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.2	1.8	1.3	2.3	4.6	.3	.8
4	97.2	1.6	2.6	3.4	.3	.5	2.6
7	95.2	.8	.3	.0	.3	.0	3.8
10	99.5	.0	.3	.3	.5	.3	.3
13	99.7	.0	.0	.5	.0	.8	.3
16	99.5	.0	.3	.0	.3	2.8	.5
19	100.0	.0	.0	.3	.8	4.3	.0
22	99.7	.3	.3	.5	2.6	.3	.3

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.3	.3	.5
4	99.7	.0	.0	.3	.3	.5	.3
7	99.7	.0	.5	.3	.3	.3	.3
10	99.7	.3	.0	.3	.5	.5	.3
13	99.7	.5	1.0	.5	.3	.5	.3
16	99.5	.0	.0	.3	.5	.3	.5
19	99.7	.0	.5	.5	.5	.3	.3
22	99.5	.0	.0	.5	.3	.3	.5

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.2	.0	.0	.0	.3	.5	.8
4	99.7	.0	.3	.3	.5	1.0	.3
7	99.7	.0	.5	.5	.5	.5	.3
10	99.5	.0	.3	.5	1.0	.8	.5
13	99.5	.8	1.3	1.0	.5	.8	.5
16	99.0	.0	.3	.5	.5	.3	1.0
19	99.5	.5	1.0	.8	.8	.3	.5
22	99.2	.0	.3	.5	.3	.5	.8

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.0	.5	1.6	.8	1.6	2.6	2.1
4	99.0	1.8	2.3	1.8	4.1	3.6	1.0
7	98.0	1.0	2.1	3.1	2.6	4.2	2.1
10	95.7	1.1	2.4	2.4	2.7	3.5	4.3
13	96.9	2.4	2.6	3.2	3.9	2.1	3.4
16	96.2	1.9	1.6	2.9	3.2	.8	4.0
19	95.9	1.9	2.9	2.7	1.6	1.1	4.3
22	96.4	1.1	2.4	2.1	1.1	4.0	3.4

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

MARCH

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	11.5	66.0	56.0	60.0	48.0	54.0	54.0	46.0	36.0	36.0	32.0
4	11.3	85.4	77.1	67.3	59.2	44.9	44.9	32.7	28.6	22.4	22.4
7	15.0	73.8	66.2	55.4	43.1	29.2	24.6	18.5	20.0	21.5	27.7
10	15.2	75.8	69.7	66.7	47.0	36.4	33.3	22.7	25.8	25.8	25.8
13	16.1	75.7	65.7	58.6	38.6	30.0	27.1	25.7	22.9	27.1	24.3
16	17.5	72.4	56.6	55.3	40.8	28.9	30.3	26.3	31.6	30.3	38.2
19	15.2	72.7	54.5	57.6	33.3	28.8	30.3	31.8	34.8	39.4	28.8
22	11.8	72.5	56.9	51.0	45.1	45.1	45.1	45.1	43.1	33.3	25.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	88.5	3.9	4.7	4.9	10.7	10.2	11.2	13.8	12.5	8.6	9.6
4	88.7	3.9	7.5	8.3	9.6	12.5	14.0	13.0	9.6	10.9	10.4
7	85.0	5.7	7.0	8.1	11.4	15.4	13.6	10.6	10.8	10.0	13.3
10	84.8	4.6	6.0	7.1	12.2	11.4	7.9	10.3	9.2	13.6	14.1
13	83.9	4.9	8.5	9.6	10.7	8.2	9.3	9.1	14.0	13.7	16.5
16	82.5	3.4	4.7	6.7	5.6	8.7	7.8	13.1	12.6	15.1	14.8
19	84.8	3.0	3.8	3.5	8.4	8.7	12.8	13.0	14.7	15.2	13.9
22	88.2	3.4	6.0	7.0	7.3	11.5	12.0	14.1	15.7	13.8	9.7

MARCH

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.8	41.7	41.7	41.7	41.7	41.7	16.7
4	1.8	62.5	62.5	62.5	62.5	25.0	12.5
7	2.1	55.6	44.4	55.6	55.6	44.4	22.2
10	5.1	77.3	68.2	72.7	50.0	22.7	13.6
13	8.8	63.2	57.9	47.4	23.7	7.9	15.8
16	9.4	68.3	43.9	34.1	19.5	12.2	26.8
19	4.4	57.9	21.1	31.6	21.1	15.8	21.1
22	2.8	66.7	58.3	58.3	41.7	58.3	16.7

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.8	83.3	83.3	83.3	75.0	50.0	41.7
4	2.3	100.0	100.0	0.0	80.0	40.0	50.0
7	2.8	100.0	100.0	.5.0	58.3	50.0	33.3
10	2.3	80.0	80.0	80.0	60.0	70.0	40.0
13	1.8	100.0	87.5	75.0	87.5	75.0	50.0
16	1.8	100.0	100.0	100.0	100.0	75.0	37.5
19	2.1	100.0	100.0	100.0	88.9	55.6	44.4
22	2.5	90.9	90.9	90.9	81.8	63.6	45.5

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.7	68.8	62.5	56.3	50.0	37.5	18.8
4	6.0	88.5	73.1	61.5	42.3	11.5	7.7
7	8.3	72.2	55.6	52.8	27.8	13.9	22.2
10	7.6	57.6	39.4	30.3	12.1	18.2	9.1
13	3.5	66.7	46.7	40.0	26.7	26.7	20.0
16	3.0	69.2	61.5	53.8	30.8	15.4	7.7
19	3.0	69.2	61.5	46.2	30.8	15.4	7.7
22	4.1	61.1	44.4	33.3	33.3	27.8	5.6

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	.0	.0	.0	.0	.0
4	1.2	80.0	40.0	40.0	.0	.0	20.0
7	3.5	40.0	26.7	.0	.0	6.7	13.3
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	.0	50.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	100.0	.0
13	1.2	100.0	60.0	40.0	.0	.0	.0
16	1.2	40.0	20.0	.0	.0	.0	.0
19	1.6	42.9	.0	14.3	14.3	.0	14.3
22	1.6	.0	.0	28.6	14.3	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	.0	66.7	.0	.0	.0
4	.7	100.0	66.7	33.3	33.3	.0	.0
7	.5	50.0	.0	.0	.0	.0	.0
10	.9	100.0	75.0	25.0	25.0	50.0	25.0
13	1.8	87.5	50.0	37.5	25.0	12.5	12.5
16	1.6	85.7	28.6	14.3	14.3	14.3	.0
19	3.9	58.8	41.2	35.3	5.9	.0	17.6
22	2.3	20.0	10.0	20.0	20.0	10.0	10.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.4	26.3	15.8	21.1	5.3	10.5	5.3
4	1.6	33.3	16.7	14.3	14.3	.0	.0
7	.9	25.0	25.0	25.0	.0	25.0	.0
10	2.1	55.6	44.4	33.3	33.3	22.2	11.1
13	3.5	40.0	26.7	20.0	26.7	13.3	13.3
16	3.7	43.8	31.3	43.8	6.3	6.3	.0
19	5.3	60.9	21.7	39.1	17.4	.0	.0
22	4.1	50.0	38.9	27.8	16.7	5.6	11.1

MARCH

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.2	.7	.2	.7	.9	7.8	2.4
4	98.2	.5	.7	.9	4.0	9.2	1.9
7	97.9	1.4	2.8	4.0	7.8	3.5	1.9
10	94.9	2.2	4.1	5.3	7.3	1.7	5.1
13	91.2	3.5	4.3	5.8	2.5	2.3	8.8
16	90.6	1.0	.5	1.3	1.0	1.0	8.1
19	95.6	1.2	1.2	1.4	1.9	1.7	3.9
22	97.2	1.7	1.2	1.2	.9	4.0	2.1

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.2	.0	.0	.0	.7	.5	1.9
4	97.7	.2	.5	.7	.5	.9	1.4
7	97.2	.0	.2	.2	.2	.7	1.9
10	97.7	.0	.0	.0	.5	.9	1.7
13	98.2	.2	.5	.5	.5	1.6	1.2
16	98.2	.2	.2	.2	.7	1.2	1.2
19	97.9	.0	.2	.5	1.2	1.6	1.2
22	97.5	.0	.5	.7	.5	.9	1.2

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.3	2.2	3.1	4.1	6.7	2.2	3.6
4	94.0	2.2	3.7	4.9	5.4	2.5	5.9
7	91.7	3.3	4.3	3.5	1.3	2.0	7.3
10	92.4	1.7	2.0	1.2	2.2	3.0	7.5
13	96.5	1.2	2.9	1.7	2.1	3.3	3.3
16	97.0	1.2	1.0	1.4	3.3	5.7	3.1
19	97.0	1.0	1.9	2.9	3.3	8.3	3.3
22	95.9	1.7	2.6	2.9	4.8	6.7	4.3

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.5	.7	1.2	3.5	.0	.2
4	98.8	.5	1.9	3.0	.2	.0	1.2
7	96.5	.0	.5	.2	.0	.0	3.1
10	99.8	.0	.0	.0	.0	.0	.2
13	100.0	.0	.2	.0	.2	.2	.0
16	100.0	.5	.0	.2	.0	1.4	.0
19	99.8	.0	.0	.0	.2	3.5	.2
22	100.0	.0	.2	.2	1.4	.2	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.5	.5	.0	.2	1.2	.5
4	99.8	.0	.5	.2	.2	1.2	.2
7	99.8	.2	.2	.2	1.2	1.6	.2
10	99.8	.5	1.2	1.2	1.2	1.4	.2
13	98.8	.5	.9	.7	1.6	.5	1.2
16	98.8	.5	.9	1.6	1.6	.2	1.4
19	98.4	.2	1.2	1.4	.2	.2	1.4
22	98.4	.0	.0	.0	.0	.2	1.6

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.7	.2	.5	1.9	.7
4	99.3	.2	.5	.2	.7	1.6	.7
7	99.5	.2	.5	.9	1.9	3.9	.5
10	99.1	.5	1.4	1.6	1.4	1.9	.7
13	98.2	.2	.9	.9	3.5	.5	1.6
16	98.4	.9	2.8	3.7	2.1	.5	2.3
19	96.1	.0	.2	1.0	.5	.5	3.6
22	97.7	.2	.2	.2	.2	.7	2.1

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.6	1.0	1.0	.7	.7	3.1	4.3
4	98.4	.9	1.4	.7	1.9	3.7	1.6
7	99.1	2.1	2.3	1.9	3.5	5.1	.9
10	97.9	3.1	2.1	2.8	3.1	3.8	1.9
13	96.5	2.4	2.9	3.1	4.5	4.1	3.3
16	96.3	1.9	2.4	3.8	4.1	1.4	4.1
19	94.7	2.9	3.2	2.2	3.6	1.0	6.1
22	95.9	1.0	2.2	3.4	1.0	1.9	3.8

APRIL

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	5.0	76.2	61.9	47.6	47.6	38.1	33.3	38.1	19.0	4.8	4.8
4	8.3	51.4	51.4	51.4	31.4	25.7	31.4	14.3	11.4	5.7	17.1
7	10.0	59.5	45.2	42.9	28.6	23.8	16.7	9.5	7.1	11.9	14.3
10	7.4	64.5	54.8	51.6	41.9	22.6	16.1	12.9	19.4	16.1	12.9
13	10.5	61.4	59.1	56.8	20.5	11.4	20.5	13.6	11.4	20.5	11.4
16	12.1	62.7	43.1	31.4	19.6	21.6	19.6	13.7	13.7	17.6	15.7
19	7.9	51.5	27.3	33.3	24.2	12.1	9.1	18.2	30.3	30.3	18.2
22	5.0	76.2	61.9	47.6	19.0	19.0	14.3	33.3	28.6	23.8	9.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	95.0	1.0	4.0	6.3	8.0	5.8	9.3	10.8	7.3	5.0	4.3
4	91.7	4.2	5.2	6.2	5.2	9.1	10.4	7.3	4.4	4.2	6.5
7	90.0	2.9	6.1	3.4	8.5	10.8	6.9	4.5	4.0	6.9	8.5
10	92.6	2.8	4.4	7.2	9.8	6.7	4.1	3.6	6.4	8.5	6.4
13	89.5	4.3	4.8	6.9	6.4	4.3	2.4	6.6	8.8	5.3	9.0
16	87.9	2.2	3.3	4.6	3.0	1.9	5.7	8.4	6.0	8.1	9.8
19	92.1	1.3	2.1	2.6	2.6	7.0	9.0	5.9	7.5	8.8	5.9
22	95.0	2.5	3.3	2.0	6.8	8.5	6.5	8.0	9.5	6.0	4.5

APRIL

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	85.7	42.9	28.6	28.6	42.9	.0
4	.7	33.3	66.7	66.7	66.7	33.3	.0
7	1.2	40.0	40.0	60.0	60.0	20.0	.0
10	2.6	63.6	45.5	36.4	27.3	.0	9.1
13	4.0	47.1	41.2	47.1	17.6	5.9	5.9
16	5.0	61.9	33.3	23.8	14.3	4.8	14.3
19	1.4	16.7	.0	33.3	33.3	.0	.0
22	.7	100.0	66.7	66.7	33.3	33.3	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	100.0	100.0	80.0	60.0	40.0	.0
4	1.4	83.3	83.3	83.3	50.0	33.3	.0
7	1.2	100.0	100.0	60.0	40.0	20.0	.0
10	1.0	100.0	75.0	75.0	75.0	25.0	.0
13	1.0	100.0	100.0	75.0	50.0	25.0	.0
16	.7	100.0	100.0	66.7	33.3	.0	.0
19	1.2	80.0	60.0	40.0	40.0	20.0	20.0
22	.5	100.0	100.0	100.0	50.0	50.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	80.0	60.0	40.0	40.0	20.0	20.0
4	4.8	35.0	40.0	40.0	20.0	5.0	5.0
7	6.7	60.7	42.9	35.7	10.7	7.1	21.4
10	3.6	46.7	40.0	20.0	6.7	6.7	6.7
13	1.4	50.0	50.0	16.7	.0	16.7	.0
16	2.4	60.0	20.0	10.0	.0	40.0	.0
19	1.7	71.4	42.9	42.9	14.3	.0	.0
22	1.7	57.1	42.9	14.3	.0	.0	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	100.0	.0	.0	.0
4	1.0	75.0	50.0	50.0	.0	.0	.0
7	.5	50.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	100.0	.0	.0	.0
7	.7	.0	.0	.0	.0	.0	.0
10	.5	.0	50.0	.0	.0	.0	.0
13	.5	50.0	50.0	.0	.0	.0	.0
16	.7	.0	.0	.0	.0	.0	.0
19	.5	50.0	50.0	50.0	.0	.0	.0
22	.5	50.0	.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.5	50.0	50.0	100.0	.0	.0	.0
7	.7	66.7	.0	.0	.0	.0	.0
10	1.0	50.0	25.0	.0	.0	.0	.0
13	1.4	50.0	50.0	33.3	.0	.0	.0
16	2.9	33.3	33.3	16.7	.0	8.3	.0
19	2.6	45.5	18.2	9.1	.0	.0	9.1
22	.7	66.7	.0	.0	.0	.0	33.3

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	25.0	.0	.0	.0	.0	.0
4	1.7	14.3	14.3	28.6	.0	28.6	.0
7	1.7	14.3	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	3.3	28.6	28.6	28.6	14.3	21.4	7.1
16	4.0	29.4	23.5	17.6	23.5	.0	.0
19	2.4	30.0	30.0	40.0	10.0	.0	.0
22	2.4	60.0	50.0	20.0	10.0	10.0	.0

APRIL

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE — GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	.2	.5	.2	.7	3.4	1.5
4	99.3	1.0	.7	.7	2.2	4.8	.5
7	98.8	.7	1.9	1.9	3.4	1.2	1.0
10	97.4	1.5	2.2	3.2	4.4	.7	2.0
13	96.0	2.7	2.2	3.2	.7	1.2	3.2
16	95.0	.8	1.0	.3	.0	.3	4.0
19	98.6	.5	.7	.2	1.0	1.0	1.2
22	99.3	1.2	1.2	1.0	.2	1.9	.7

CRITERIA TWO — WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.2	.2	.5	.5	.5	.7
4	98.6	.0	.0	.0	.2	.2	1.0
7	98.8	.2	.2	.2	.5	1.0	1.0
10	99.0	.2	.2	.2	.0	.2	.7
13	99.0	.0	.0	.0	.7	.5	.7
16	99.3	.2	.5	.7	.2	1.0	.5
19	98.8	.0	.0	.0	.2	.7	.7
22	99.5	.2	.2	.2	.7	.5	.5

CRITERIA THREE — CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.7	3.1	4.3	6.3	1.2	.7
4	95.2	2.2	2.5	5.0	2.7	2.2	4.5
7	93.3	1.5	2.8	1.3	.8	1.3	5.1
10	96.4	.2	.7	.7	2.2	1.5	3.5
13	98.6	1.0	1.7	2.2	1.7	.7	1.0
16	97.6	.5	1.2	1.5	1.7	3.7	2.2
19	98.3	.2	.5	1.0	.7	6.3	1.5
22	98.3	.2	1.2	.7	4.6	3.6	1.5

CRITERIA FOUR — VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.5	.7	.5	.0	.2
4	99.0	.5	1.2	.0	.0	.2	.7
7	99.5	.0	.0	.0	.0	.0	.5
10	100.0	.0	.0	.0	.2	.0	.0
13	100.0	.0	.0	.2	.0	.2	.0
16	99.8	.0	.0	.0	.0	.7	.2
19	100.0	.0	.0	.0	.2	.5	.0
22	100.0	.0	.0	.2	.7	.0	.0

CRITERIA FIVE — THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.2	.7	.5	.0
4	99.8	.0	.0	.5	.5	.7	.2
7	99.3	.0	.2	.5	.5	.5	.7
10	99.5	.0	.0	.5	.7	.5	.7
13	99.5	.2	.5	.7	.5	.0	.7
16	99.3	.7	.0	.5	.5	.2	.5
19	99.5	.2	.5	.2	.0	.7	.7
22	99.5	.5	.2	.0	.2	.7	.5

CRITERIA SIX — THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.5	.7	1.4	.0
4	99.5	.5	.0	.2	1.0	2.9	.5
7	99.3	.0	.2	1.0	1.4	2.6	.7
10	99.0	.2	.7	1.4	2.9	.7	1.4
13	98.6	1.0	1.5	2.4	2.7	.0	1.7
16	97.1	.7	1.5	2.2	.7	.2	2.2
19	97.4	.0	.7	.5	.0	.7	2.4
22	99.3	.2	.2	.0	.5	1.4	.5

CRITERIA SEVEN — PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.2	.7	1.7	1.7	3.4	1.0
4	98.3	.2	1.2	1.2	.2	3.6	1.7
7	98.3	.5	1.2	.2	3.4	2.4	1.7
10	99.8	1.9	1.7	3.3	4.1	2.4	.2
13	96.7	1.7	2.5	3.2	2.0	.2	3.4
16	96.0	2.0	1.5	1.7	1.5	1.7	4.0
19	97.6	1.5	.7	1.5	.7	1.7	2.0
22	97.6	1.5	1.2	.5	1.5	.0	2.2

MAY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	3.0	46.2	38.5	38.5	15.4	30.8	23.1	15.4	23.1	7.7	.0
4	6.0	34.6	34.6	30.8	46.2	46.2	30.8	19.2	15.4	3.8	11.5
7	6.0	65.4	53.8	57.7	34.6	46.2	15.4	7.7	11.5	7.7	15.4
10	9.9	65.1	48.8	51.2	32.6	11.6	14.0	11.6	11.6	16.3	25.6
13	11.5	64.0	56.0	48.0	18.0	14.0	6.0	18.0	16.0	26.0	22.0
16	16.1	68.6	41.4	24.3	14.3	7.1	14.3	15.7	21.4	22.9	27.1
19	7.8	67.6	29.4	20.6	5.9	14.7	23.5	32.4	26.5	29.4	17.6
22	6.5	50.0	32.1	17.9	21.4	10.7	39.3	35.7	35.7	28.6	3.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	97.0	3.3	3.3	5.0	5.7	9.3	11.2	16.2	7.4	6.4	3.1
4	94.0	2.5	4.9	4.4	7.6	9.3	15.2	7.1	5.9	2.9	5.9
7	94.0	2.7	3.7	6.9	10.0	14.2	7.4	6.4	2.5	6.1	5.4
10	90.1	2.3	3.6	7.2	14.3	7.4	5.6	2.0	5.6	4.9	7.7
13	88.5	5.5	6.0	12.0	6.5	5.5	2.6	4.7	4.7	7.3	10.2
16	83.9	3.0	5.2	4.7	4.9	2.2	4.7	4.1	7.1	9.3	14.8
19	92.2	3.2	4.0	5.2	2.7	5.6	4.5	7.5	10.2	15.7	7.7
22	93.5	3.2	2.5	2.0	5.2	5.7	7.4	9.9	15.5	7.1	6.9

MAY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	33.3	33.3	.0	.0	.0
4	.7	33.3	66.7	33.3	66.7	33.3	.0
7	1.2	60.0	80.0	100.0	60.0	20.0	.0
10	3.7	56.3	50.0	50.0	31.3	6.3	12.5
13	3.9	41.2	41.2	23.5	5.9	.0	11.8
16	4.4	47.4	26.3	5.3	10.5	5.3	10.5
19	.7	33.3	.0	33.3	.0	33.3	33.3
22	1.2	20.0	.0	20.0	.0	60.0	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	100.0	100.0	100.0	.0
4	.2	100.0	100.0	100.0	100.0	100.0	.0
7	.5	100.0	50.0	50.0	50.0	50.0	.0
10	.2	100.0	100.0	100.0	100.0	.0	.0
13	.5	100.0	100.0	100.0	100.0	50.0	50.0
16	.5	100.0	100.0	100.0	50.0	50.0	50.0
19	.5	100.0	50.0	50.0	50.0	50.0	50.0
22	.2	100.0	100.0	100.0	100.0	100.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.8	50.0	25.0	25.0	12.5	12.5	.0
4	2.3	40.0	30.0	40.0	50.0	.0	10.0
7	3.0	69.2	46.2	53.8	23.1	7.7	.0
10	4.4	52.6	42.1	31.6	5.3	5.3	15.8
13	1.4	66.7	16.7	16.7	16.7	16.7	16.7
16	.7	33.3	33.3	33.3	33.3	.0	.0
19	1.4	50.0	33.3	.0	.0	33.3	.0
22	1.4	33.3	16.7	16.7	.0	33.3	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.5	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.5	50.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.9	25.0	25.0	.0	.0	.0	.0
13	1.6	57.1	28.6	14.3	14.3	.0	.0
16	2.8	58.3	33.3	33.3	8.3	8.3	8.3
19	2.3	40.0	10.0	20.0	.0	.0	10.0
22	1.4	66.7	33.3	.0	16.7	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	.0	.0	.0	.0	.0	.0
4	.9	50.0	.0	.0	.0	.0	.0
7	.5	.0	.0	.0	.0	50.0	.0
10	2.1	66.7	44.4	33.3	11.1	.0	.0
13	4.1	72.2	61.1	50.0	16.7	.0	11.1
16	8.5	70.3	43.2	29.7	10.8	8.1	24.3
19	5.1	77.3	31.8	18.2	.0	.0	13.6
22	3.0	69.2	38.5	15.4	7.7	15.4	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	2.3	10.0	10.0	10.0	.0	10.0	.0
7	1.4	16.7	33.3	33.3	.0	.0	16.7
10	1.8	50.0	12.5	37.5	12.5	.0	.0
13	3.5	33.3	26.7	26.7	.0	.0	6.7
16	5.1	50.0	22.7	18.2	9.1	.0	4.5
19	2.5	45.5	9.1	9.1	.0	.0	.0
22	2.1	33.3	33.3	.0	22.2	11.1	.0

MAY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.2	.5	1.2	7.9	.7
4	99.3	.2	.2	.9	3.2	4.2	.7
7	98.8	.2	1.2	2.6	3.3	.5	1.2
10	96.3	.5	1.0	2.2	3.3	1.0	3.3
13	96.1	2.2	1.7	3.6	.5	.7	3.8
16	95.6	.5	.7	.5	.7	.5	4.6
19	99.3	.7	1.4	.9	.7	.9	.7
22	98.8	.2	.2	.5	.7	3.0	1.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.2	.2	.2
4	99.8	.0	.2	.2	.0	.2	.2
7	99.5	.0	.0	.0	.2	.2	.5
10	99.8	.2	.2	.2	.2	.2	.2
13	99.5	.0	.0	.0	.0	.0	.2
16	99.5	.0	.0	.0	.0	.0	.2
19	99.5	.0	.0	.0	.0	.2	.2
22	99.8	.0	.0	.0	.0	.0	.2

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.2	1.2	1.9	1.9	2.8	1.2	1.6
4	97.7	1.7	2.4	2.1	3.3	.7	2.4
7	97.0	2.1	1.7	2.9	.7	1.2	3.1
10	95.6	.5	.2	.0	.5	1.2	3.6
13	98.6	.9	.9	.5	1.2	1.4	1.2
16	99.3	.5	1.4	1.2	1.2	2.6	.9
19	98.6	.9	.7	1.4	1.6	2.6	1.4
22	98.6	2.1	1.4	1.4	2.6	3.7	1.4

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.2	.5	.0	.0
4	99.8	.5	.9	.5	.0	.0	.2
7	99.5	.2	.0	.0	.0	.0	.5
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.5	.2	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.2	.0
19	100.0	.0	.0	.0	.0	.5	.0
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.5	.5	.2	1.6	.0
4	99.5	.0	.2	.2	.9	2.8	.5
7	99.8	.0	.0	.9	1.6	2.3	.2
10	99.1	.9	1.4	1.6	2.8	1.4	.7
13	98.4	2.6	2.8	2.6	2.1	.0	1.4
16	97.2	.9	1.9	1.4	1.2	.2	2.6
19	97.7	.7	.9	.9	.0	.2	2.1
22	98.6	.2	.0	.0	.2	.7	1.4

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.7	.9	.9	.5	4.2	.9
4	99.1	.2	.9	.5	2.1	8.6	.9
7	99.5	.0	.7	2.1	4.2	4.9	.5
10	97.9	1.2	2.6	3.5	8.5	3.1	1.6
13	95.9	3.4	4.1	6.7	4.6	1.0	3.6
16	91.5	2.0	3.8	2.8	2.3	.3	7.3
19	94.9	1.5	1.5	2.2	1.0	.5	4.9
22	97.0	.5	.2	.5	.7	1.2	3.1

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	1.2	.7	2.3	1.4	3.5	.0
4	97.7	.2	1.2	1.2	1.9	5.0	2.4
7	98.6	.7	.7	1.4	3.5	2.6	1.2
10	98.2	1.2	1.2	2.8	4.9	2.1	1.9
13	96.5	2.1	1.4	4.3	2.6	.0	3.1
16	94.9	1.9	3.6	1.7	1.7	2.4	5.3
19	97.5	1.7	1.9	1.9	.0	1.4	2.8
22	97.9	1.9	.9	.0	1.9	1.6	2.4

JUNE

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	6.2	53.8	46.2	30.8	15.4	11.5	38.5	26.9	34.6	19.2	16.0
4	6.5	44.4	37.0	51.9	40.7	44.4	33.3	33.3	25.9	19.2	19.2
7	6.7	64.3	53.6	42.9	21.4	32.1	25.0	21.4	19.2	11.5	23.1
10	9.8	56.1	29.3	51.2	43.9	24.4	9.8	7.7	10.3	12.8	17.9
13	22.5	72.3	57.4	45.7	25.5	9.6	10.9	8.7	9.8	18.5	31.5
16	24.0	74.0	54.0	35.0	9.0	12.4	8.2	10.3	14.4	34.0	44.3
19	16.1	50.7	40.3	14.9	13.8	9.2	10.8	10.8	38.5	41.5	27.7
22	5.3	40.9	38.1	33.3	19.0	19.0	23.8	28.6	42.9	28.6	9.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	93.8	4.6	5.1	4.9	6.1	9.7	21.5	23.8	14.8	4.3	5.7
4	93.5	3.1	3.3	3.6	7.7	21.0	23.3	14.9	3.8	5.4	5.2
7	93.3	3.9	5.7	7.5	22.6	23.4	15.4	4.1	5.4	5.7	6.2
10	90.2	6.1	11.2	19.4	21.8	15.2	4.8	6.1	5.6	6.7	8.8
13	77.5	12.4	14.9	17.6	13.3	4.0	5.0	5.3	6.5	7.1	19.6
16	76.0	8.2	11.4	10.1	4.1	4.4	5.4	6.3	8.2	18.6	17.4
19	83.9	2.3	3.4	3.4	4.9	5.4	6.6	9.5	19.2	20.3	13.2
22	94.7	3.5	3.6	4.8	5.3	6.6	8.9	21.9	22.6	14.8	4.8

JUNE

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	.0	.0	.0	.0	.0
4	.7	66.7	66.7	33.3	66.7	.0	.0
7	.5	100.0	100.0	100.0	100.0	.0	50.0
10	2.4	30.0	20.0	60.0	40.0	.0	22.2
13	3.6	60.0	66.7	66.7	13.3	.0	21.4
16	4.6	42.1	31.6	15.8	5.3	5.6	27.8
19	1.7	14.3	14.3	14.3	14.3	.0	.0
22	.5	100.0	100.0	50.0	.0	.0	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.6	40.0	26.7	20.0	20.0	6.7	7.1
4	3.6	53.3	46.7	60.0	40.0	13.3	.0
7	4.3	50.0	50.0	38.9	16.7	16.7	29.4
10	5.0	42.9	19.0	23.8	14.3	9.5	5.3
13	3.6	46.7	20.0	33.3	13.3	7.7	.0
16	3.8	37.5	25.0	25.0	18.8	7.1	.0
19	1.9	37.5	62.5	62.5	57.1	28.6	14.3
22	2.9	33.3	27.3	45.5	27.3	18.2	18.2

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	.0	.0	.0	.0	.0
4	.5	.0	.0	.0	.0	.0	50.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	33.3	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.7	33.3	33.3	33.3	33.3	.0	.0
13	3.8	37.5	6.3	6.3	6.3	.0	18.8
16	6.5	40.7	22.2	3.7	.0	.0	18.5
19	1.9	12.5	.0	.0	.0	.0	.0
22	.5	50.0	.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	87.5	25.0	12.5	.0	12.5	12.5
4	1.2	40.0	20.0	.0	.0	20.0	.0
7	.7	66.7	.0	33.3	.0	.0	.0
10	2.6	72.7	36.4	45.5	9.1	.0	18.2
13	16.1	73.1	47.8	35.8	23.9	4.5	31.3
16	18.0	69.3	46.7	28.0	2.7	2.7	37.3
19	11.3	51.1	25.5	6.4	4.3	.0	19.1
22	1.4	33.3	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	41.7	25.0	25.0	16.7	16.7	9.1
4	1.7	28.6	28.6	42.9	14.3	42.9	.0
7	1.9	37.5	50.0	12.5	.0	37.5	14.3
10	1.0	50.0	25.0	25.0	25.0	.0	.0
13	5.8	54.2	41.7	20.8	8.3	4.3	8.7
16	8.6	55.6	36.1	25.0	2.8	.0	14.3
19	7.4	35.5	16.1	12.9	3.3	.0	13.3
22	2.2	22.2	44.4	11.1	.0	11.1	.0

JUNE

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	1.2	.7	.7	.5	3.6	.2
4	99.3	.0	.0	.2	1.9	4.6	.7
7	99.5	1.0	1.2	1.9	3.1	1.7	.2
10	97.6	.2	1.5	2.2	3.7	.5	2.0
13	96.4	1.7	2.5	2.2	1.2	.3	2.7
16	95.4	1.0	1.0	1.0	.3	.5	3.0
19	98.3	.7	.0	.2	.0	.5	1.5
22	99.5	.7	.5	.0	.7	2.4	.5

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.4	2.5	3.5	3.0	3.7	3.5	3.5
4	96.4	1.5	1.7	2.2	3.7	3.5	3.2
7	95.7	2.8	3.5	3.5	3.0	1.3	3.8
10	95.0	.8	1.5	2.5	3.3	2.5	4.8
13	96.4	2.7	2.5	2.7	1.5	3.5	3.7
16	96.2	2.0	2.0	1.0	2.2	3.0	3.8
19	98.1	.5	2.0	1.7	2.7	4.4	1.5
22	97.1	.7	1.7	2.5	2.5	4.5	2.5

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.2	.0	.5	.2	.0	.2
4	99.5	.0	.7	.2	.0	.0	.2
7	99.8	.0	.0	.0	.0	.2	.2
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.2	.2	.0	.2	.2	.0
16	100.0	.0	.5	.2	.0	.5	.0
19	99.8	.0	.0	.0	.2	.2	.2
22	100.0	.0	.0	.2	.5	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.7	.0	.0	.0	3.9	.5
4	100.0	.2	.2	.0	.7	6.5	.0
7	100.0	.2	.0	.7	3.8	1.9	.0
10	99.3	1.4	1.9	3.6	6.3	.5	.7
13	96.2	4.2	4.7	6.5	1.7	.5	3.3
16	93.5	2.6	1.8	1.8	.5	.0	5.9
19	98.1	2.0	1.0	.5	.5	.0	1.7
22	99.5	.2	.2	.5	.0	.7	.5

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	1.0	1.5	1.0	.7	16.1	1.5
4	98.8	1.0	.5	.7	2.7	18.0	1.2
7	99.3	.2	.7	2.4	16.2	11.4	.7
10	97.4	4.9	7.6	15.3	18.2	1.5	2.2
13	83.9	8.9	13.1	14.6	8.9	1.2	13.3
16	82.0	5.8	7.3	7.6	1.2	.9	13.9
19	88.7	1.4	1.4	.8	1.4	.8	10.1
22	98.6	1.5	1.2	1.7	1.2	2.7	1.5

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	1.2	1.7	1.0	1.5	5.4	3.0
4	98.3	.7	1.0	1.2	.7	8.0	1.7
7	98.1	1.2	.5	.7	5.9	6.8	2.0
10	99.0	1.7	3.4	5.6	8.5	2.2	1.0
13	94.2	4.8	5.1	7.9	7.4	3.1	5.4
16	91.4	6.0	6.6	5.8	2.1	1.8	7.9
19	92.6	3.9	3.9	1.3	3.1	2.3	6.8
22	97.8	2.0	1.5	3.0	1.7	.7	2.0

JULY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	1.8	37.5	12.5	.0	12.5	12.5	12.5	37.5	.0	.0	.0
4	1.6	57.1	28.6	28.6	14.3	57.1	28.6	28.6	14.3	14.3	.0
7	3.5	53.3	33.3	20.0	13.3	26.7	20.0	6.7	.0	6.7	13.3
10	5.5	50.0	45.8	45.8	41.7	20.8	8.3	.0	.0	8.3	12.5
13	21.4	82.8	61.3	57.0	29.0	5.4	2.2	4.3	3.2	8.6	41.9
16	32.0	72.7	59.0	36.7	9.4	1.4	2.2	3.6	6.5	36.7	51.1
19	17.3	54.7	30.7	17.3	4.0	1.3	.0	5.3	33.3	46.7	32.0
22	5.8	52.0	16.7	8.0	.0	.0	8.0	32.0	56.0	28.0	12.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	98.2	.9	1.6	1.6	3.3	5.4	21.6	31.9	17.6	5.9	1.4
4	98.4	1.4	3.3	3.0	5.4	20.8	32.1	17.1	5.6	1.2	1.6
7	96.5	1.9	1.9	5.0	21.7	32.2	17.2	5.7	1.4	1.4	2.6
10	94.5	5.9	12.2	20.0	31.5	17.1	5.6	1.5	1.7	2.7	5.1
13	78.6	11.4	19.9	25.2	14.1	5.9	1.2	.9	2.9	4.7	16.7
16	68.0	6.4	11.2	8.1	4.1	1.4	1.4	2.7	5.1	15.3	24.7
19	82.7	3.9	4.7	3.3	.8	1.7	3.6	5.6	19.8	30.4	14.8
22	94.2	1.7	1.5	1.0	1.7	3.2	5.4	21.5	31.8	17.1	5.6

JULY

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	50.0	50.0	100.0	.0	.0	.0
13	2.3	40.0	20.0	.0	.0	.0	10.0
16	1.8	.0	.0	.0	.0	.0	.0
19	.9	.0	.0	.0	.0	.0	.0
22	.2	.0	.0	100.0	.0	.0	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	25.0	25.0	.0	25.0	.0	.0
4	.5	100.0	50.0	50.0	.0	.0	.0
7	2.1	55.6	33.3	22.2	.0	.0	22.2
10	1.8	25.0	25.0	12.5	.0	.0	12.5
13	1.4	16.7	.0	.0	16.7	.0	.0
16	2.5	18.2	9.1	9.1	.0	.0	9.1
19	2.3	20.0	10.0	.0	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.5	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	100.0	.0	.0	.0	100.0	.0
7	.2	100.0	.0	.0	.0	.0	.0
10	.2	100.0	100.0	.0	.0	.0	.0
13	2.1	55.6	22.2	11.1	.0	.0	11.1
16	6.2	44.4	14.8	7.4	3.7	.0	11.1
19	3.2	50.0	28.6	14.3	.0	.0	7.1
22	.9	25.0	.0	.0	.0	25.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	.0	.0	.0	.0	.0
4	.9	50.0	.0	.0	.0	25.0	.0
7	.9	50.0	.0	.0	.0	25.0	.0
10	1.8	100.0	75.0	75.0	50.0	.0	.0
13	16.2	79.7	59.5	54.4	20.3	.0	39.2
16	28.8	73.6	49.6	28.8	8.8	.8	49.6
19	12.4	44.4	31.5	16.7	.0	.0	24.1
22	4.1	55.6	5.9	.0	.0	5.6	16.7

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.7	66.7	33.3	.0	.0	66.7	.0
7	.9	25.0	25.0	25.0	.0	25.0	.0
10	1.8	.0	12.5	12.5	25.0	.0	.0
13	3.9	41.2	17.6	23.5	17.6	.0	17.6
16	8.8	44.7	39.5	26.3	.0	2.6	18.4
19	7.6	39.4	15.2	3.0	.0	.0	12.1
22	1.8	25.0	12.5	.0	.0	.0	.0

JULY

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.0	2.3	.2
4	100.0	.0	.0	.0	.5	1.8	.0
7	100.0	.5	.5	.5	2.3	.9	.0
10	99.5	.5	1.2	1.9	1.9	.2	.5
13	97.7	1.2	1.2	1.9	.9	.2	2.1
16	98.2	1.6	1.2	.9	.2	.0	1.9
19	99.1	.2	.7	.2	.2	.0	1.2
22	99.8	.2	.0	.0	.0	.5	.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.5	.5	.5	1.9	1.4	.7
4	99.5	.5	1.4	1.9	1.9	2.5	.5
7	97.9	.7	.7	1.4	1.4	2.4	1.2
10	98.2	.2	2.3	1.2	2.6	.2	1.6
13	98.6	1.4	3.3	2.6	2.1	.7	1.6
16	97.5	2.1	2.8	2.1	.2	.5	2.4
19	97.7	.7	.2	.2	.7	1.7	2.4
22	99.8	.5	.2	.7	.5	1.8	.5

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.5	.0
4	100.0	.0	.2	.0	.0	.2	.0
7	100.0	.0	.0	.0	.5	.5	.0
10	100.0	.0	.5	.5	.2	.0	.0
13	99.5	.0	.2	.2	.5	.0	.5
16	99.8	.0	.2	.5	.0	.0	.2
19	99.5	.2	.0	.0	.0	.0	.5
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.2	.2	.2	2.1	.0
4	99.8	.0	.0	.2	.2	6.0	.2
7	99.8	.0	.2	.2	2.1	3.2	.2
10	99.8	1.6	2.8	2.1	6.2	.9	.2
13	97.9	3.1	5.6	6.1	3.3	.0	1.9
16	93.8	4.4	4.2	2.9	.7	.2	5.9
19	96.8	1.4	1.7	.5	.0	.2	3.1
22	99.1	.5	.5	.0	.2	.0	.9

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.7	.9	.9	18.3	.5
4	99.1	.2	.9	.9	1.9	28.8	.9
7	99.1	.2	.2	1.9	18.4	12.3	.9
10	98.2	4.0	9.9	17.1	28.4	4.2	1.9
13	81.8	10.7	19.4	23.1	10.7	.6	14.1
16	71.2	4.2	8.4	5.8	2.3	1.0	21.7
19	87.6	2.6	3.4	2.4	.5	1.1	10.8
22	95.9	.7	.7	.5	1.0	1.7	3.6

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	.9	.7	.9	3.9	.0
4	99.3	.9	1.4	.9	1.9	8.4	.7
7	99.1	.7	.7	1.6	4.0	7.4	.7
10	98.2	2.3	2.3	3.8	8.5	1.9	1.9
13	96.1	3.8	4.8	8.2	7.2	.0	3.4
16	91.2	5.3	7.8	5.8	2.0	.5	8.8
19	92.4	3.5	3.0	1.7	.0	.7	7.5
22	99.2	.9	1.6	.0	.7	1.9	1.9

AUGUST

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	3.0	38.5	23.1	15.4	30.8	15.4	23.1	30.8	15.4	7.7	15.4
4	2.6	45.5	45.5	45.5	27.3	18.2	18.2	.0	.0	9.1	.0
7	3.7	56.3	50.0	18.8	18.8	31.3	12.5	6.3	6.3	6.3	6.3
10	8.1	62.9	48.6	45.7	31.4	17.1	11.4	3.0	.0	6.1	18.2
13	17.9	77.9	71.4	48.1	20.8	6.5	3.9	3.9	6.6	11.8	25.0
16	25.3	65.1	51.4	31.2	6.4	4.6	3.7	5.6	6.5	30.6	38.9
19	12.8	58.2	29.1	20.0	10.9	3.6	7.3	10.9	27.3	41.8	30.9
22	4.9	47.6	33.3	14.3	9.5	19.0	14.3	28.6	38.1	33.3	4.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	97.0	.7	1.7	2.2	2.9	7.9	17.7	25.2	12.7	4.8	2.4
4	97.4	2.9	2.9	2.6	7.6	17.9	25.5	13.1	5.0	2.7	2.4
7	96.3	1.2	2.7	7.7	17.9	25.1	12.8	4.8	2.7	2.2	3.4
10	91.9	6.1	10.1	15.4	24.8	12.4	4.3	2.8	2.5	3.3	7.1
13	82.1	11.9	19.3	20.4	11.0	4.5	2.6	2.0	2.9	7.1	16.0
16	74.7	6.9	8.7	6.5	4.4	2.2	1.9	2.8	8.5	13.2	18.6
19	87.2	3.5	2.7	2.7	1.6	2.2	3.0	7.5	16.2	21.0	10.0
22	95.1	2.0	3.0	2.2	2.0	2.7	7.7	17.0	23.0	11.6	4.7

AUGUST

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	100.0	100.0	100.0	100.0	100.0	.0
7	.5	50 0	50.0	50.0	50.0	.0	.0
10	1.6	28.6	14.3	14.3	28.6	14.3	14.3
13	1.2	40.0	40.0	40.0	.0	.0	.0
16	1.9	25.0	25.0	.0	.0	.0	.0
19	.7	66.7	.0	.0	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	25.0	25.0	25.0	25.0	.0	.0
4	1.2	40.0	40.0	40.0	20.0	.0	.0
7	1.4	50.0	33.3	16.7	.0	.0	.0
10	1.6	42.9	.0	.0	.0	.0	.0
13	1.9	12.5	.0	12.5	.0	.0	.0
16	3.0	7.7	7.7	15.4	7.7	7.7	.0
19	1.2	40.0	20.0	40.0	.0	20.0	20.0
22	.9	25.0	25.0	.0	25.0	25.0	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	100.0	100.0	100.0	.0	.0	.0
7	1.2	40.0	20.0	.0	.0	.0	20.0
10	.0	.0	.0	.0	.0	.0	.0
13	.2	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	4.2	44.4	16.7	16.7	.0	5.9	11.8
16	5.8	36.0	8.0	.0	.0	.0	8.3
19	.7	66.7	33.3	33.3	33.3	.0	.0
22	.7	33.3	33.3	33.3	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.9	25.0	12.5	.0	.0	12.5	.0
4	1.2	40.0	20.0	40.0	20.0	.0	.0
7	1.2	40.0	40.0	.0	.0	.0	.0
10	4.2	72.2	55.6	55.6	22.2	.0	25.0
13	15.3	78.8	56.1	35.4	10.6	1.5	26.2
16	20.5	67.0	42.0	21.6	3.4	2.3	37.9
19	8.4	58.3	27.8	13.9	8.3	2.8	13.9
22	2.6	63.6	36.4	9.1	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	33.3	.0	16.7	.0	16.7	.0
4	.2	100.0	.0	.0	.0	100.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	1.6	14.3	14.3	14.3	.0	14.3	.0
13	4.7	40.0	35.0	25.0	.0	.0	.0
16	9.8	38.1	33.3	21.4	.0	2.4	9.8
19	5.8	40.0	12.0	16.0	4.0	4.0	20.0
22	1.4	33.3	33.3	16.7	.0	.0	.0

AUGUST

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	.5	1.2	.0
4	99.8	.0	.0	.2	1.4	1.6	.0
7	99.5	.0	.5	1.4	.9	.7	.2
10	98.4	.7	.5	.9	1.4	.0	1.2
13	98.8	1.6	2.6	1.4	.7	.0	1.0
16	98.1	.7	.9	.7	.2	.0	1.4
19	99.3	.7	.5	.2	.0	.2	.5
22	99.8	.0	.0	.0	.0	1.4	.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.0	1.2	.9	1.2	1.9	.7
4	98.8	.7	.5	.9	1.4	3.1	1.0
7	98.6	.5	1.2	1.4	1.9	1.2	1.0
10	98.4	1.7	2.1	1.9	3.1	.9	1.4
13	98.1	1.9	2.8	2.8	1.2	.7	1.7
16	97.0	1.2	1.4	.7	.7	.7	3.1
19	98.8	.5	.7	.5	.7	.7	1.0
22	99.1	.0	.5	.7	.7	1.2	.7

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	1.2	.2	.0
4	99.8	.7	.5	.9	.0	.2	.2
7	98.8	.0	.0	.0	.2	.0	1.0
10	100.0	.0	.0	.2	.2	.0	.0
13	99.8	.5	.2	.2	.0	.0	.2
16	99.8	.2	.0	.0	.0	.2	.2
19	100.0	.0	.2	.0	.0	1.2	.0
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.0	.2	.0	.0	4.2	.7
4	100.0	.0	.0	.0	.0	5.8	.0
7	100.0	.0	.0	.0	4.2	.7	.0
10	100.0	2.6	4.0	4.2	5.8	.7	.0
13	95.8	1.7	4.4	5.3	.7	.5	4.2
16	94.2	2.0	2.0	.7	.7	.0	5.5
19	99.3	.9	.7	.5	.5	.0	.9
22	99.3	.2	.7	.5	.0	.0	.7

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.1	.7	.7	1.2	1.2	15.4	1.9
4	98.8	1.2	1.9	.7	4.0	20.7	1.2
7	98.8	.2	.7	4.2	15.5	8.5	1.4
10	95.8	4.1	8.7	13.6	20.4	2.7	3.4
13	84.7	9.3	16.8	17.6	8.0	1.9	13.6
16	79.5	5.8	7.6	5.0	2.3	.9	14.2
19	91.6	1.5	1.8	1.5	1.3	1.3	7.9
22	97.4	1.0	2.2	1.7	1.2	4.3	2.7

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.7	.5	.0	.2	4.5	1.2
4	99.8	.7	.5	.2	1.6	9.6	.2
7	99.8	.9	1.2	1.6	4.7	5.8	.5
10	98.4	2.6	3.1	4.5	9.9	1.2	1.9
13	95.3	3.9	6.6	9.0	6.1	1.2	4.9
16	90.2	5.7	5.9	4.1	1.5	.0	9.1
19	94.2	3.2	.7	.5	1.0	.2	5.0
22	98.6	1.2	1.9	1.0	.2	1.9	1.4

SEPTEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	8.9	62.2	48.6	45.9	37.8	37.8	40.5	48.6	35.1	18.9	17.1
4	8.9	70.3	40.5	43.2	32.4	37.8	37.8	27.0	21.6	11.8	17.6
7	9.2	81.6	00.5	52.6	39.5	50.0	26.3	23.7	16.7	22.2	25.0
10	10,6	68.2	54.5	40.9	43.2	27.3	25.0	31.0	16.7	31.0	40.5
13	15.9	69.7	50.0	53.0	28.8	18.2	15.6	10.9	18.8	23.4	20.3
16	21.7	64.4	51.1	42.2	21.1	14.9	13.8	23.0	21.8	26.4	37.9
19	15.4	65.6	50.0	40.6	23.0	18.0	21.3	29.5	31.1	49.2	26.2
22	10.8	62.2	51.2	43.9	34.1	26.8	26.8	36.6	61.0	46.3	19.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	91.1	4.5	4.2	5.3	6.3	7.9	13.5	19.0	13.5	10.1	7.7
4	91.1	4.8	5.6	5.8	8.5	13.8	20.1	14.3	9.8	8.2	7.7
7	90.8	3.7	9.5	6.4	13.5	18.8	14.3	9.5	7.8	7.2	6.4
10	89.4	5.7	9.4	12.9	19.1	14.0	9.2	6.0	7.6	5.4	7.1
13	84.1	10.3	10.9	15.8	12.9	9.5	7.2	8.1	6.1	8.1	14.7
16	78.3	6.5	8.6	8.0	8.0	6.8	7.1	4.0	7.4	12.7	17.6
19	84.6	5.1	6.6	5.4	6.0	6.9	5.7	7.2	12.9	17.2	14.0
22	89.2	3.5	4.1	4.6	5.7	6.0	8.7	13.3	17.6	12.5	10.3

SEPTEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.2	77.8	77.8	77.8	77.8	88.9	25.0
4	1.9	100.0	87.5	87.5	75.0	75.0	33.3
7	2.7	81.8	81.8	72.7	63.6	36.4	30.0
10	3.4	92.9	71.4	71.4	71.4	35.7	33.3
13	5.3	77.3	59.1	59.1	40.9	19.0	23.8
16	5.8	62.5	54.2	50.0	33.3	18.2	22.7
19	3.9	75.0	68.8	50.0	35.7	50.0	21.4
22	2.9	75.0	66.7	44.4	55.6	55.6	44.4

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.4	57.1	64.3	50.0	42.9	35.7	7.7
4	3.1	61.5	38.5	30.8	15.4	15.4	.0
7	4.6	68.4	52.6	31.6	15.8	10.5	10.5
10	3.9	37.5	18.8	18.8	12.5	25.0	12.5
13	2.7	36.4	27.3	36.4	27.3	20.0	20.0
16	2.7	54.5	36.4	45.5	36.4	25.0	12.5
19	4.1	64.7	52.9	52.9	33.3	33.3	20.0
22	3.9	68.8	42.9	50.0	35.7	14.3	7.1

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.5	50.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	50.0	25.0	25.0	25.0	.0	.0
4	.2	100.0	.0	.0	.0	.0	.0
7	.5	100.0	100.0	50.0	.0	.0	.0
10	1.4	.0	.0	.0	.0	.0	.0
13	1.2	40.0	.0	.0	20.0	.0	.0
16	1.9	37.5	12.5	12.5	12.5	.0	.0
19	3.4	50.0	21.4	21.4	7.1	7.1	21.4
22	1.7	42.9	57.1	28.6	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	50.0	16.7	8.3	8.3	8.3	.0
4	1.4	83.3	16.7	33.3	16.7	16.7	.0
7	2.2	44.4	33.3	22.2	.0	.0	11.1
10	3.4	57.1	7.1	.0	7.1	.0	21.4
13	6.3	84.6	50.0	26.9	11.5	.0	11.5
16	9.6	75.0	60.0	37.5	15.0	.0	35.0
19	8.2	55.9	35.3	26.5	14.7	2.9	23.5
22	3.4	57.1	50.0	28.6	.0	.0	7.1

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.4	42.9	7.1	14.3	7.1	21.4	14.3
4	3.9	31.3	6.3	18.8	18.8	12.5	6.7
7	3.4	64.3	28.6	35.7	28.6	14.3	7.7
10	3.6	40.0	53.3	40.0	13.3	20.0	15.4
13	8.0	24.2	21.2	24.2	15.2	9.7	12.9
16	8.9	35.1	21.6	16.2	10.8	13.5	16.2
19	6.3	42.3	30.8	15.4	.0	11.5	3.8
22	6.5	44.4	20.0	20.0	12.0	12.0	8.0

SEPTEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.8	.2	1.0	.2	1.0	3.4	1.5
4	98.1	.7	.2	1.0	2.0	4.4	1.2
7	97.3	1.0	2.0	1.5	3.7	3.0	1.7
10	96.6	2.7	2.0	3.0	3.5	1.7	2.8
13	94.7	1.5	1.8	2.8	1.8	1.0	4.1
16	94.2	1.3	1.0	1.0	1.0	.8	4.9
19	96.1	1.0	2.3	1.0	.8	.8	3.3
22	97.1	1.2	.5	1.0	.5	2.5	2.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.6	2.0	1.7	1.5	3.2	1.5	2.8
4	96.9	2.7	2.5	3.7	3.5	2.2	3.0
7	95.4	2.5	3.3	2.5	2.0	3.8	3.6
10	96.1	1.5	1.3	2.0	2.3	3.0	3.3
13	97.3	3.0	2.0	1.7	3.5	2.5	2.0
16	97.3	2.0	3.0	3.0	3.0	2.5	2.5
19	95.9	1.3	1.3	1.8	1.8	2.8	3.5
22	96.1	.3	1.3	1.3	1.8	3.3	3.8

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.5	.0	.0
4	100.0	.2	.7	.5	.0	.0	.0
7	99.5	.2	.0	.0	.0	.0	.5
10	100.0	.2	.0	.0	.0	.0	.0
13	100.0	.0	.2	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.5	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.2	.2	.0	.2	1.2	1.0
4	99.8	.2	.2	.5	1.4	1.9	.2
7	99.5	.5	.7	1.2	1.2	3.4	.5
10	98.6	.7	.2	1.2	2.0	1.7	1.5
13	98.8	2.2	2.0	2.0	3.2	1.0	1.2
16	98.1	1.0	2.5	3.2	1.5	.2	2.2
19	96.6	.2	.7	1.0	.8	.3	2.8
22	98.3	.2	.2	.5	.2	1.5	1.7

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	.5	.7	1.2	2.0	6.2	3.0
4	98.6	1.2	1.2	1.7	3.2	9.5	1.5
7	97.8	.7	3.0	3.0	6.4	8.4	1.7
10	96.6	1.2	4.5	6.5	9.7	3.5	2.8
13	93.7	4.9	6.7	8.5	8.0	3.1	5.7
16	90.4	1.6	3.7	5.1	2.1	1.6	7.6
19	91.8	1.6	1.6	1.3	1.9	1.9	7.4
22	96.6	.7	1.5	2.0	1.5	3.5	3.3

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.6	3.2	3.5	3.5	3.2	7.5	3.0
4	96.1	3.0	3.3	2.8	3.0	8.8	3.8
7	96.6	1.0	4.2	2.5	7.2	6.0	2.8
10	96.4	4.7	4.7	6.7	8.8	6.0	3.0
13	92.0	5.0	3.7	7.6	5.5	2.9	7.4
16	91.1	4.5	6.3	5.3	6.1	2.9	8.3
19	93.7	3.1	4.1	5.9	3.6	2.3	6.3
22	93.5	3.6	2.3	2.3	3.4	2.9	6.5

OCTOBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	11.2	50.0	50.0	35.4	31.3	47.9	41.7	33.3	35.4	25.0	26.1
4	9.6	66.7	57.1	40.5	47.6	45.2	42.9	31.0	26.2	23.8	23.8
7	10.0	53.5	55.8	55.8	51.2	41.9	41.9	23.3	26.2	21.4	23.8
10	14.9	67.2	62.5	59.4	48.4	42.2	29.7	30.2	25.4	19.0	39.7
13	17.2	64.9	66.2	56.8	41.9	33.8	36.5	20.3	28.4	39.2	33.8
16	16.3	67.1	52.9	48.6	40.0	34.8	18.8	23.2	36.2	37.7	24.6
19	15.2	67.7	52.3	36.9	40.3	30.6	27.4	37.1	40.3	35.5	29.0
22	11.2	66.7	39.6	50.0	27.1	25.0	37.5	37.5	31.3	29.2	18.8

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	88.8	3.4	5.5	6.6	7.3	10.8	14.2	14.2	12.6	9.4	10.3
4	90.2	3.1	6.2	6.7	11.4	14.2	13.4	13.4	9.6	10.7	8.4
7	90.0	6.0	7.5	10.4	13.5	13.5	12.2	9.8	10.5	8.6	9.7
10	85.1	6.3	7.4	9.9	10.7	10.4	7.9	8.9	7.2	9.7	10.5
13	82.8	5.1	7.0	7.9	9.6	6.5	6.9	7.7	7.4	9.7	13.7
16	83.7	4.7	7.8	8.6	5.6	7.6	8.2	8.7	10.7	13.2	14.4
19	84.8	5.2	4.9	6.6	7.2	6.4	8.3	11.0	13.3	12.7	11.9
22	88.8	3.7	4.3	7.2	7.7	9.3	12.0	14.6	14.1	12.5	10.1

OCTOBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.1	59.1	59.1	50.0	36.4	45.5	27.3
4	3.5	86.7	86.7	60.0	80.0	53.3	33.3
7	4.2	61.1	72.2	77.8	77.8	61.1	11.1
10	8.6	67.6	67.6	70.3	48.6	43.2	37.8
13	8.6	67.6	73.0	54.1	51.4	40.5	32.4
16	7.2	67.7	61.3	64.5	54.8	29.0	29.0
19	7.2	71.0	77.4	61.3	51.6	35.5	32.3
22	7.0	66.7	43.3	56.7	33.3	46.7	16.7

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.2	.0	.0	.0	.0	.0	.0
16	.2	100.0	100.0	100.0	100.0	.0	.0
19	.2	100.0	100.0	100.0	100.0	.0	.0
22	.2	100.0	100.0	100.0	.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.0	38.5	38.5	23.1	38.5	23.1	8.3
4	3.0	53.8	46.2	46.2	38.5	15.4	15.4
7	3.5	66.7	53.3	46.7	40.0	20.0	33.3
10	4.2	50.0	50.0	50.0	27.8	.0	29.4
13	3.7	68.8	43.8	56.3	31.3	18.8	25.0
16	3.5	60.0	40.0	26.7	13.3	6.7	6.7
19	2.5	45.5	36.4	9.1	20.0	30.0	.0
22	1.2	60.0	.0	.0	.0	.0	.0

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.5	100.0	100.0	50.0	.0	.0	.0
7	.7	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.2	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	.0	.0	.0	.0	.0
4	.5	50.0	.0	.0	.0	.0	.0
7	.2	100.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	1.2	20.0	40.0	40.0	.0	.0	.0
16	.9	25.0	.0	.0	.0	.0	.0
19	.5	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.2	60.0	20.0	.0	20.0	.0	.0
4	.9	25.0	.0	.0	.0	25.0	.0
7	.7	66.7	33.3	.0	33.3	33.3	.0
10	.7	66.7	100.0	33.3	33.3	33.3	.0
13	2.6	45.5	45.5	36.4	18.2	9.1	.0
16	2.6	54.5	45.5	36.4	9.1	.0	.0
19	3.3	57.1	7.1	.0	7.1	.0	7.1
22	.5	100.0	50.0	50.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.0	7.7	15.4	7.7	.0	.0	7.7
4	2.6	27.3	.0	.0	9.1	27.3	.0
7	2.6	27.3	18.2	18.2	.0	18.2	.0
10	2.6	27.3	9.1	9.1	18.2	9.1	9.1
13	4.0	29.4	58.8	41.2	11.8	5.9	5.9
16	7.0	53.3	23.3	13.3	16.7	.0	10.3
19	4.4	47.4	21.1	10.5	5.9	5.9	11.8
22	3.7	37.5	12.5	25.0	6.3	6.3	6.3

OCTOBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.9	.7	1.0	1.0	2.5	6.6	4.5
4	96.5	1.4	2.2	2.2	6 0	5.6	2.4
7	95.8	2.4	3.4	5.6	5.6	4.9	3.9
10	91.4	3.3	3.6	2.8	3.3	3.6	5.4
13	91.4	1.8	2.6	2.8	3.1	2.3	5.9
16	92.8	1.3	3.0	2.8	3.3	1.5	5.3
19	92.8	2.0	2.0	2.8	2.0	1.8	5.1
22	93.0	1.3	.8	1.8	1.3	5.3	5.8

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.0	.2	.2
4	100.0	.0	.0	.0	.0	.2	.0
7	100.0	.0	.0	.0	2	.2	.0
10	100.0	.0	.0	.2	.2	.2	.0
13	99.8	.2	.2	.2	.2	.2	.2
16	99.8	.0	.0	.0	.0	.0	.2
19	99.8	.0	.0	.0	.0	.0	.5
22	99.8	.0	.0	.0	.0	.0	.5

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.0	2.2	1.9	2.4	2.4	3.1	3.4
4	97.0	1.2	1.9	2.2	3.1	3.1	2.7
7	96.5	1.9	2.2	2.7	2.4	1.9	3.4
10	95.8	1.5	1.0	1.7	2.4	1.2	3.4
13	96.3	.0	.5	1.5	1.5	2.9	3.4
16	96.5	.7	2.2	1.7	.7	2.9	3.7
19	97.4	1.0	1.4	1.0	3.1	3.9	2.7
22	98.8	.9	1.9	3.6	3.1	4.5	1.2

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.2	.5	.7	.2	.0
4	99.5	.2	.5	.5	.0	.0	.5
7	99.3	.0	.2	.0	.2	.0	1.0
10	100.0	.0	.0	.2	.0	.0	.0
13	99.8	.2	.0	.0	.0	.0	.2
16	100.0	.7	.2	.0	.0	.5	.0
19	100.0	.0	.0	.0	.0	.9	.0
22	100.0	.0	.0	.0	.5	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.2	.5	.2	1.2	.2
4	99.5	.0	.2	.2	.0	.9	.5
7	99.8	.0	.2	.0	1.2	.5	.2
10	100.0	.2	.7	1.2	.9	.0	.0
13	98.8	.2	.7	.5	.5	.2	1.0
16	99.1	.5	.7	.5	.0	.5	.7
19	99.5	.5	.2	.0	.2	.2	.2
22	100.0	.5	.2	.2	.5	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.8	.2	1.7	.9	.5	2.6	1.2
4	99.1	.2	.5	.7	.7	2.4	1.0
7	99.3	.0	.5	.7	2.3	3.1	.7
10	99.3	1.4	1.9	2.3	2.3	.2	.7
13	97.4	1.2	1.9	1.7	2.9	1.0	2.4
16	97.4	1.7	2.6	2.4	.2	1.0	2.2
19	96.7	.2	.5	.5	1.0	.7	2.4
22	99.5	.5	.5	.9	.9	.7	.5

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.0	1.7	3.1	2.4	2.6	4.1	3.2
4	97.4	.7	3.1	2.6	2.4	6.5	2.7
7	97.4	2.2	2.9	2.2	4.1	4.1	2.7
10	97.4	2.9	3.1	3.8	6.7	3.6	2.4
13	96.0	3.4	3.6	5.6	4.1	3.2	3.9
16	93.0	2.0	3.3	3.8	2.8	2.8	6.3
19	95.6	3.7	2.2	3.4	3.2	2.5	3.9
22	96.3	1.9	2.5	2.5	2.5	2.5	3.7

NOVEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	11.0	60.9	56.5	47.8	47.8	34.8	30.4	26.1	23.9	17.4	19.6
4	9.8	70.7	63.4	61.0	39.0	39.0	31.7	24.4	19.5	26.8	29.3
7	15.2	56.3	45.3	39.1	29.7	23.4	23.4	17.2	21.9	23.4	31.3
10	12.1	56.9	58.8	51.0	39.2	25.5	19.6	21.6	23.5	29.4	23.5
13	10.7	64.4	62.2	51.1	31.1	24.4	28.9	26.7	26.7	22.2	17.8
16	8.8	70.3	54.1	54.1	37.8	37.8	32.4	29.7	40.5	35.1	27.0
19	8.6	52.8	50.0	52.8	38.9	33.3	36.1	38.9	36.1	27.8	27.8
22	8.8	78.4	43.2	48.6	45.9	40.5	35.1	32.4	24.3	21.6	21.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	89.0	2.9	4.5	5.1	11.2	9.4	8.3	6.7	6.7	7.8	9.6
4	90.2	3.7	6.9	10.3	9.2	7.7	6.3	6.9	7.7	9.0	7.9
7	84.8	3.9	5.9	7.3	7.3	6.2	5.9	7.3	8.7	7.6	12.1
10	87.9	4.3	..1	5.1	4.6	6.2	7.3	9.2	8.1	13.0	10.8
13	89.3	4.8	3.7	3.7	5.9	6.9	8.5	8.0	13.6	11.2	9.6
16	91.2	3.7	3.9	4.2	6.0	8.1	7.8	13.6	9.7	8.1	7.0
19	91.4	3.1	2.1	4.7	8.1	7.8	13.0	9.9	8.1	7.0	6.8
22	91.2	3.4	4.7	7.0	6.5	12.5	10.2	8.4	7.3	7.3	7.6

NOVEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	50.0	33.3	33.3	41.7	33.3	8.3
4	1.0	50.0	75.0	100.0	50.0	50.0	25.0
7	1.9	50.0	37.5	25.0	37.5	37.5	25.0
10	3.1	69.2	53.8	46.2	46.2	15.4	7.7
13	4.0	47.1	58.8	47.1	17.6	11.8	11.8
16	3.3	42.9	35.7	28.6	14.3	7.1	28.6
19	2.6	18.2	45.5	45.5	27.3	27.3	27.3
22	2.6	54.5	36.4	63.6	18.2	9.1	18.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	100.0	100.0	100.0	100.0	50.0	25.0
4	1.2	100.0	100.0	100.0	60.0	40.0	20.0
7	1.7	85.7	71.4	71.4	57.1	28.6	28.6
10	1.4	100.0	100.0	83.3	50.0	33.3	33.3
13	1.2	100.0	60.0	60.0	40.0	40.0	20.0
16	.7	66.7	66.7	66.7	66.7	66.7	33.3
19	1.0	75.0	75.0	75.0	75.0	75.0	25.0
22	1.0	100.0	100.0	100.0	100.0	75.0	25.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.5	56.5	47.8	43.5	34.8	34.8	21.7
4	5.0	81.0	66.7	57.1	42.9	28.6	28.6
7	7.9	54.5	45.5	39.4	30.3	24.2	30.3
10	5.7	50.0	50.0	54.2	33.3	12.5	25.0
13	5.0	61.9	52.4	42.9	28.6	28.6	14.3
16	3.3	64.3	50.0	64.3	35.7	42.9	14.3
19	3.3	57.1	57.1	50.0	42.9	35.7	14.3
22	3.8	81.3	50.0	37.5	43.8	31.3	18.8

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.0	75.0	25.0	25.0	50.0	.0	.0
4	1.2	40.0	20.0	40.0	.0	.0	.0
7	3.1	15.4	.0	.0	.0	.0	23.1
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0		.0
19	.0	.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	100.0	100.0	.0	.0
4	.2	100.0	100.0	100.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	100.0	.0	.0	.0	.0	.0
19	.2	100.0	100.0	100.0	.0	.0	.0
22	.5	100.0	50.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	50.0	100.0	50.0	.0	.0
4	.5	50.0	50.0	50.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.5	50.0	50.0	50.0	50.0	.0	.0
16	.7	100.0	66.7	66.7	66.7	.0	.0
19	.5	100.0	100.0	100.0	.0	.0	.0
22	.7	100.0	33.3	33.3	33.3	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.9	25.0	25.0	25.0	.0	.0	.0
4	2.1	33.3	.0	.0	11.1	11.1	11.1
7	2.6	27.3	.0	.0	.0	9.1	9.1
10	3.1	15.4	23.1	7.7	7.7	.0	.0
13	1.2	.0	20.0	.0	.0	20.0	.0
16	1.7	85.7	42.9	42.9	28.6	.0	.0
19	2.4	50.0	20.0	30.0	10.0	.0	10.0
22	1.7	42.9	.0	.0	14.3	14.3	.0

NOVEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	.0	.2	.0	.7	3.2	2.5
4	99.0	.5	1.2	1.0	2.6	2.9	.7
7	98.1	1.7	2.7	2.7	3.4	1.9	1.5
10	96.9	2.2	2.9	2.7	2.0	2.2	2.9
13	96.0	2.2	1.0	1.5	2.0	2.2	3.7
16	96.7	.5	.7	1.7	2.2	.7	2.5
19	97.4	1.0	.7	1.5	2.0	1.2	2.0
22	97.4	1.0	.2	1.0	.5	2.9	2.2

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.2	.2	.2	.7	.7	.7
4	98.8	.5	.5	.5	.7	.2	1.0
7	98.3	.0	.0	.2	.2	.5	1.2
10	98.6	.0	.0	.0	.0	.5	1.0
13	98.8	.0	.0	.0	.5	.5	1.0
16	99.3	.5	.2	.5	.5	.7	.5
19	99.0	.0	.2	.2	.2	1.0	.5
22	99.0	.0	.0	.0	.2	.7	.5

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.5	1.0	3.0	2.8	6.3	3.3	4.3
4	95.0	1.0	4.3	5.3	3.8	2.0	4.0
7	92.1	1.8	3.9	2.8	2.8	1.6	5.2
10	94.3	1.8	1.3	2.0	1.5	3.3	4.5
13	95.0	1.3	1.3	1.3	2.0	4.0	4.3
16	96.7	1.0	1.7	1.2	2.7	3.9	3.0
19	96.7	1.0	1.0	2.2	3.9	6.2	3.2
22	96.2	.5	2.2	4.0	3.7	4.7	3.5

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.0	.2	.5	1.0	2.6	.0	1.0
4	98.8	1.0	1.0	2.7	.2	.0	1.2
7	96.9	.5	.2	.2	.0	.0	2.7
10	99.8	.0	.0	.0	.0	.2	.2
13	100.0	.0	.2	.0	.0	1.0	.0
16	100.0	.0	.2	.0	.2	1.2	.0
19	100.0	.0	.0	.2	1.0	3.3	.0
22	99.8	.7	.7	1.0	1.2	.2	.2

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.0	.0	.2
4	99.8	.0	.0	.0	.0	.2	.2
7	99.8	.0	.0	.0	.0	.2	.2
10	100.0	.0	.0	.0	.2	.5	.0
13	100.0	.2	.2	.2	.2	.2	.0
16	99.8	.0	.5	.2	.5	.2	.2
19	99.8	.0	.0	.2	.2	.2	.2
22	99.5	.0	.0	.2	.2	.0	.5

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.0	.0	.5	.5
4	99.5	.0	.0	.0	.0	.7	.5
7	99.8	.0	.0	.0	.5	.5	.2
10	100.0	.0	.2	.5	.7	.7	.0
13	99.5	.2	.2	.5	.2	.5	.5
16	99.3	.2	.5	.0	.2	.5	.7
19	99.5	.0	.2	.2	.5	.2	.5
22	99.3	.0	.2	.2	.2	.0	.7

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.1	1.5	1.5	1.5	2.7	1.2	2.7
4	97.9	1.9	1.9	2.7	2.9	1.5	1.9
7	97.4	2.0	1.5	3.2	1.2	2.2	2.4
10	96.9	.7	1.2	1.0	1.5	1.7	3.4
13	98.8	2.7	3.4	1.7	2.4	2.4	1.2
16	98.3	2.2	2.4	1.7	1.2	2.2	1.7
19	97.6	1.2	.2	1.0	2.4	2.7	2.2
22	98.3	2.2	1.0	2.7	1.9	3.1	1.7

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	8.3	63.9	52.8	41.7	47.2	25.0	19.4	16.7	13.9	13.9	8.3
4	8.5	73.0	54.1	67.6	37.8	27.0	16.2	13.5	18.9	10.8	8.1
7	14.3	75.8	54.8	45.2	21.0	12.9	16.1	19.4	19.4	17.7	21.0
10	10.4	64.4	57.8	37.8	28.9	26.7	31.1	31.1	15.6	17.8	15.6
13	8.5	59.5	51.4	48.6	32.4	32.4	18.9	13.5	16.2	24.3	13.5
16	6.7	69.0	48.3	51.7	44.8	27.6	24.1	24.1	24.1	20.7	13.8
19	6.2	74.1	63.0	55.6	37.0	29.6	37.0	33.3	33.3	18.5	18.5
22	8.1	82.9	62.9	57.1	37.1	40.0	25.7	22.9	14.3	17.1	14.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	91.7	4.5	6.0	5.5	11.3	9.0	7.5	5.8	5.5	7.5	8.0
4	91.5	3.0	7.1	9.3	7.8	6.8	5.8	5.5	7.1	7.8	8.6
7	85.7	5.6	3.8	4.6	6.5	5.6	4.6	6.2	6.2	7.0	12.9
10	89.6	3.6	4.6	5.1	4.1	3.9	5.4	5.4	7.7	13.6	10.0
13	91.5	1.8	3.3	2.8	3.8	5.8	7.1	8.1	13.9	9.3	8.6
16	93.3	2.5	3.0	3.0	5.4	6.7	7.4	13.3	9.6	8.1	6.4
19	93.8	2.5	4.7	4.9	6.1	7.1	12.5	9.1	7.4	6.1	5.4
22	91.9	1.0	2.6	3.8	6.0	11.8	9.3	7.8	6.3	5.3	7.5

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIESOF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	100.0	66.7	33.3	66.7	.0	33.3
4	.5	100.0	100.0	100.0	50.0	.0	.0
7	.9	75.0	100.0	75.0	25.0	.0	.0
10	1.6	71.4	42.9	28.6	14.3	14.3	.0
13	2.5	45.5	36.4	27.3	27.3	.0	18.2
16	1.4	66.7	33.3	33.3	16.7	.0	16.7
19	1.6	57.1	28.6	.0	.0	.0	28.6
22	1.8	50.0	50.0	37.5	12.5	25.0	12.5

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	66.7	66.7	66.7	33.3	.0
4	.7	100.0	100.0	100.0	66.7	33.3	.0
7	1.4	83.3	66.7	66.7	66.7	50.0	33.3
10	1.4	100.0	100.0	100.0	83.3	50.0	.0
13	1.6	100.0	85.7	71.4	57.1	28.6	.0
16	1.4	100.0	83.3	83.3	66.7	33.3	.0
19	1.8	75.0	62.5	50.0	37.5	12.5	.0
22	.9	75.0	75.0	75.0	50.0	.0	.0

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	5.3	52.2	43.5	30.4	34.8	13.0	4.3
4	5.3	78.3	47.8	60.9	30.4	13.0	8.7
7	8.3	83.3	61.1	47.2	19.4	13.9	11.1
10	6.2	63.0	55.6	33.3	11.1	18.5	11.1
13	3.2	64.3	50.0	42.9	28.6	14.3	.0
16	2.8	58.3	41.7	50.0	41.7	16.7	.0
19	3.0	76.9	69.2	69.2	46.2	30.8	7.7
22	3.7	93.8	62.5	62.5	37.5	18.8	6.3

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	100.0	50.0	50.0	50.0	.0	.0
4	1.8	75.0	62.5	75.0	.0	.0	.0
7	6.0	57.7	30.8	11.5	.0	.0	15.4
10	1.2	.0	.0	.0	.0	.0	.0
13	.2	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.9	100.0	100.0	75.0	50.0	.0	.0

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	100.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.5	.0	.0	.0	.0	.0	.0
13	.5	100.0	100.0	50.0	50.0	.0	50.0
16	.7	33.3	.0	66.7	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.5	36.4	36.4	18.2	9.1	9.1	9.1
4	1.4	.0	.0	.0	.0	.0	.0
7	.5	50.0	50.0	50.0	.0	.0	.0
10	1.8	37.5	12.5	12.5	.0	12.5	12.5
13	1.8	37.5	12.5	12.5	12.5	.0	.0
16	1.8	37.5	12.5	.0	.0	.0	12.5
19	1.2	60.0	60.0	20.0	.0	.0	.0
22	2.3	20.0	20.0	30.0	10.0	30.0	10.0

DECEMBER

KSC LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.0	.5	.2	.5	2.6	.5
4	99.5	.0	.5	.5	1.4	1.4	.5
7	99.1	.2	.9	.9	2.3	1.6	.9
10	98.4	1.2	1.4	2.1	1.2	1.6	1.6
13	97.5	.7	.7	.7	.9	.7	2.4
16	98.6	.7	.5	1.2	1.6	.5	1.2
19	98.4	.5	1.2	1.9	.7	.9	1.2
22	98.2	.0	.2	.0	.2	1.2	1.6

CRITERIA TWO WINDS ALOFT

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.0	.0	.2	.9	1.4	.9
4	99.3	.2	.5	.7	.9	1.2	.9
7	98.6	.0	.5	.5	.7	1.2	1.2
10	98.6	.0	.0	.2	.2	.2	1.6
13	98.4	.0	.0	.2	.9	.5	1.9
16	98.6	.2	.2	.7	.0	.5	1.4
19	98.2	.0	.0	.0	.2	1.4	1.9
22	99.1	.2	.2	.2	.5	1.6	.9

CRITERIA THREE CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	94.7	1.9	3.4	3.9	6.8	2.7	5.1
4	94.7	1.2	4.1	5.4	4.9	2.2	4.9
7	91.7	3.3	1.8	2.5	1.8	2.0	8.0
10	93.8	2.5	2.2	1.2	2.2	2.7	5.9
13	96.8	.7	1.4	1.4	2.1	4.8	3.3
16	97.2	.9	1.2	1.7	2.6	4.7	2.8
19	97.0	1.2	1.9	1.7	3.8	7.6	2.9
22	96.3	1.0	2.6	2.9	3.8	5.7	3.6

CRITERIA FOUR VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	1.4	2.3	1.4	5.6	.2	.9
4	98.2	.9	2.8	4.7	1.2	.0	1.9
7	94.0	1.0	.5	.5	.2	.0	4.5
10	99.8	.2	.0	.2	.0	.9	1.2
13	99.8	.0	.2	.0	.0	.9	.2
16	100.0	.2	.2	.0	.9	1.8	.0
19	100.0	.2	.5	.9	.9	5.5	.0
22	99.1	.0	.2	.2	1.4	1.2	.9

CRITERIA FIVE THUNDERSTORM W 4000FT CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.2	.0
7	100.0	.2	.2	.2	.0	.2	.0
10	99.8	.5	.2	.0	.2	.2	.2
13	100.0	.2	.0	.2	.2	.0	.0
16	99.8	.0	.0	.0	.2	.0	.2
19	99.8	.0	.0	.2	.0	.0	.2
22	99.8	.0	.0	.0	.0	.2	.2

CRITERIA SIX THUNDERSTORM IN GLIDE PATH

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.5	.0
4	100.0	.0	.0	.0	.5	.7	.0
7	100.0	.5	.5	.5	.5	.5	.0
10	99.5	.5	.5	.5	.7	.2	.2
13	99.5	.2	.2	.5	.2	.0	.2
16	99.3	.0	.0	.0	.2	.0	.7
19	99.5	.0	.0	.2	.0	.0	.5
22	99.8	.0	.0	.0	.0	.5	.2

CRITERIA SEVEN PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.5	1.4	1.2	.9	.2	1.7	2.4
4	98.6	1.4	1.2	.5	1.9	1.9	1.4
7	99.5	1.6	.5	1.6	1.9	1.2	.5
10	98.2	1.2	1.6	1.6	1.9	2.1	1.6
13	98.2	.9	1.6	1.6	.9	2.6	1.9
16	98.2	.9	1.4	1.2	2.3	1.4	1.9
19	98.8	.7	2.3	2.1	2.6	.5	1.2
22	97.7	.9	1.2	1.9	1.2	1.2	2.1

JANUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	4.1	66.7	50.0	61.1	66.7	33.3	44.4	33.3	16.7	16.7	16.7
4	5.1	81.8	72.7	72.7	45.5	36.4	22.7	22.7	13.6	13.6	22.7
7	6.5	53.6	46.4	60.7	53.6	32.1	21.4	17.9	17.9	25.0	25.0
10	5.5	70.8	66.7	66.7	37.5	33.3	33.3	20.8	29.2	29.2	16.7
13	8.5	64.9	51.4	43.2	32.4	35.1	21.6	21.6	21.6	13.5	24.3
16	7.1	67.7	61.3	41.9	35.5	25.8	29.0	32.3	16.1	22.6	16.1
19	5.5	75.0	54.2	58.3	45.8	29.2	33.3	25.0	37.5	29.2	20.8
22	5.1	86.4	72.7	63.6	45.5	47.6	27.3	31.8	22.7	9.1	13.6

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	95.9	1.4	2.4	2.6	3.9	4.3	7.0	6.0	5.0	4.6	3.6
4	94.9	1.5	2.2	2.9	3.4	7.0	6.3	4.6	4.6	3.6	4.1
7	93.5	1.2	1.7	1.5	5.4	5.4	4.4	4.2	3.2	3.7	5.2
10	94.5	2.0	3.7	5.1	5.4	3.9	3.4	3.2	3.7	5.1	4.9
13	91.5	1.8	3.0	3.8	3.0	2.3	2.5	3.5	5.1	4.8	7.3
16	92.9	2.2	3.0	2.7	2.7	2.5	3.2	4.5	4.7	7.7	6.7
19	94.5	1.0	1.5	2.0	1.7	3.7	4.9	4.4	7.1	6.1	4.9
22	94.9	1.7	2.7	1.0	2.9	4.4	4.4	7.5	6.6	5.6	4.6

JANUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.2	100.0	.0	.0	.0	.0	.0
10	.8	50.0	50.0	.0	25.0	.0	.0
13	2.1	44.4	33.3	33.3	22.2	.0	.0
16	1.6	14.3	28.6	.0	.0	.0	.0
19	.7	33.3	.0	33.3	.0	.0	.0
22	.5	.0	.0	.0	.0	.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	77.8	44.4	55.6	55.6	33.3	11.1
4	1.6	71.4	57.1	57.1	28.6	14.3	28.6
7	2.3	60.0	50.0	20.0	30.0	10.0	10.0
10	1.4	50.0	66.7	66.7	16.7	.0	16.7
13	1.8	37.5	62.5	25.0	.0	12.5	12.5
16	1.6	71.4	42.9	42.9	14.3	.0	.0
19	.9	75.0	75.0	50.0	25.0	.0	.0
22	1.6	100.0	100.0	71.4	28.6	14.3	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	66.7	66.7	100.0	33.3	.0	.0
4	1.2	40.0	40.0	20.0	.0	.0	.0
7	.7	66.7	33.3	33.3	.0	.0	.0
10	.5	.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.2	100.0	100.0	100.0	100.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	4.1	66.7	44.4	55.6	55.6	44.4	16.7
4	4.6	85.0	75.0	70.0	45.0	25.0	20.0
7	5.8	52.0	48.0	60.0	56.0	24.0	24.0
10	4.4	73.7	68.4	78.9	42.1	36.8	21.1
13	6.5	71.4	57.1	46.4	35.7	28.6	25.0
16	5.5	83.3	70.8	54.2	45.8	33.3	20.8
19	4.8	81.0	61.9	61.9	52.4	33.3	23.8
22	4.6	95.0	80.0	70.0	45.0	25.0	15.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	100.0	100.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.2	100.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.5	.0	.0	.0	.0	.0	.0

JANUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.5	.0	.2	2.1	.0
4	100.0	.5	.5	.2	.9	1.6	.0
7	99.8	.5	.5	.7	2.1	.7	.2
10	99.1	.9	.9	2.1	1.4	.5	.9
13	97.9	.2	.9	.9	.2	.0	2.1
16	98.4	.0	.5	.7	.5	.0	1.6
19	99.3	.2	.2	.2	.0	.2	.9
22	99.5	.0	.2	.0	.0	.9	.5

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.2	1.2	.5	1.2	1.2	1.9
4	98.4	.7	.5	1.4	.9	1.4	1.2
7	97.7	.2	.2	.9	1.2	.7	2.1
10	98.6	.0	.9	.9	1.4	1.6	1.2
13	98.2	.2	.7	1.2	.9	1.9	1.6
16	98.4	.5	.7	.2	1.4	1.6	1.6
19	99.1	.2	.5	1.2	1.9	2.3	.9
22	98.4	.0	.7	.9	1.2	1.2	1.6

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	.9	.5	.5	.2	.7
4	98.8	.2	.2	.5	.5	.0	1.2
7	99.3	.5	.7	.2	.2	.0	.7
10	99.5	.0	.0	.2	.0	.2	.5
13	99.8	.0	.2	.0	.0	.7	.2
16	100.0	.2	.0	.0	.2	1.2	.0
19	100.0	.2	.5	.2	.7	.7	.0
22	99.8	.7	.7	.5	.9	.5	.2

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	95.9	1.2	1.7	2.4	3.6	4.8	3.6
4	95.4	1.0	1.4	2.7	2.4	4.6	3.9
7	94.2	.7	1.0	1.0	3.4	3.7	4.7
10	95.6	1.2	2.7	3.1	3.9	3.1	3.6
13	93.5	1.5	2.0	2.7	2.7	2.5	5.4
16	94.5	2.2	2.4	2.0	2.2	2.9	4.9
19	95.2	.5	1.0	1.7	1.7	4.4	3.9
22	95.4	1.2	2.2	1.0	2.7	3.4	4.1

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.2	.2	.2	.2	.0
4	99.8	.2	.0	.0	.2	.0	.2
7	99.8	.5	.2	.2	.2	.0	.2
10	99.8	.0	.5	.2	.0	.5	.2
13	99.8	.0	.0	.0	.0	.0	.2
16	100.0	.0	.0	.0	.5	.2	.0
19	100.0	.0	.5	.5	.0	.2	.0
22	99.5	.2	.5	.0	.2	.2	.5

FEBRUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	3.6	71.4	64.3	42.9	42.9	57.1	50.0	35.7	14.3	14.3	7.1
4	3.6	85.7	71.4	64.3	64.3	64.3	57.1	14.3	7.1	14.3	21.4
7	5.7	81.8	77.3	77.3	68.2	50.0	22.7	9.1	13.6	13.6	13.6
10	9.2	80.6	72.2	63.9	38.9	20.0	8.3	8.3	8.3	14.3	13.9
13	11.5	75.6	65.9	48.9	27.3	13.3	11.1	17.8	18.2	13.3	25.0
16	9.8	65.8	45.9	37.8	15.8	15.8	21.1	16.2	15.8	18.9	22.2
19	5.9	60.9	43.5	39.1	26.1	26.1	30.4	21.7	43.5	26.1	8.7
22	3.6	71.4	71.4	64.3	50.0	42.9	42.9	64.3	35.7	21.4	14.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	96.4	.5	1.9	2.1	4.3	7.4	10.1	8.8	5.6	3.2	3.7
4	96.4	1.6	3.4	3.5	7.1	9.6	8.0	5.6	3.4	3.4	3.4
7	94.3	1.9	2.2	5.2	8.2	7.5	5.0	3.3	3.3	3.3	5.0
10	90.8	3.4	5.4	6.2	6.8	4.5	3.1	3.4	3.7	5.1	9.0
13	88.5	2.3	4.1	4.7	3.2	2.3	2.9	2.3	4.4	9.0	10.4
16	90.2	4.6	3.7	2.6	2.3	2.6	2.3	4.9	8.9	11.4	8.6
19	94.1	1.9	.8	1.4	2.5	2.7	4.4	8.7	10.1	8.8	5.5
22	96.4	1.3	.8	1.6	2.4	4.6	8.2	10.1	8.8	5.1	3.7

FEBRUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.3	.0	100.0	.0	.0	.0	.0
4	.3	.0	.0	.0	.0	.0	.0
7	.5	.0	50.0	.0	100.0	50.0	.0
10	1.8	42.9	14.3	14.3	14.3	.0	.0
13	2.3	66.7	62.5	44.4	22.2	.0	.0
16	3.6	71.4	46.2	28.6	7.1	7.1	7.1
19	1.3	20.0	20.0	.0	.0	20.0	.0
22	.3	100.0	100.0	.0	100.0	.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.8	66.7	33.3	33.3	33.3	33.3	.0
4	.3	100.0	100.0	100.0	100.0	.0	.0
7	1.6	83.3	33.3	66.7	50.0	16.7	.0
10	2.6	90.0	60.0	40.0	30.0	.0	.0
13	1.8	42.9	42.9	28.6	.0	.0	16.7
16	1.5	33.3	33.3	40.0	16.7	.0	20.0
19	1.0	50.0	50.0	50.0	.0	25.0	.0
22	.8	33.3	.0	33.3	33.3	33.3	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.3	.0	100.0	100.0	.0	.0	.0
4	.3	.0	.0	.0	.0	.0	.0
7	.5	50.0	50.0	50.0	.0	.0	.0
10	.3	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.3	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.3	76.9	61.5	46.2	46.2	53.8	7.7
4	3.1	91.7	75.0	66.7	66.7	66.7	25.0
7	4.9	89.5	78.9	84.2	68.4	21.1	15.8
10	7.4	89.7	75.9	69.0	44.8	6.9	13.8
13	9.2	77.8	66.7	50.0	28.6	13.9	31.4
16	6.2	62.5	45.8	43.5	16.7	25.0	18.2
19	4.6	72.2	50.0	44.4	33.3	33.3	11.1
22	3.1	66.7	66.7	66.7	41.7	41.7	16.7

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.5	50.0	.0	.0	.0	.0	.0
7	.3	100.0	.0	.0	.0	.0	.0
10	.3	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.3	.0	.0	100.0	100.0	.0	.0
19	.8	.0	.0	33.3	.0	.0	.0
22	.3	.0	.0	.0	.0	.0	.0

FEBRUARY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.7	.5	.8	.3	.5	2.3	.3
4	99.7	.0	.3	.5	1.8	3.6	.3
7	99.5	.5	.5	1.8	1.8	1.0	.5
10	98.2	1.0	2.3	2.1	3.4	.3	2.1
13	97.7	1.6	2.4	2.6	.8	.3	2.6
16	96.4	1.6	.5	.3	.0	.0	3.5
19	98.7	.3	.0	.3	.3	.3	1.0
22	99.7	.3	.0	.3	.0	2.1	.5

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.2	.0	.5	.0	1.3	1.6	.8
4	99.7	.8	1.3	1.3	2.3	1.6	.3
7	98.4	.8	.8	1.6	1.1	.8	1.6
10	97.4	1.0	.5	.8	.8	.8	2.6
13	98.2	.8	1.1	1.0	1.0	.8	1.8
16	98.5	.8	1.1	.5	.5	.3	1.6
19	99.0	.3	.0	.3	.8	1.3	1.0
22	99.2	.5	.3	.5	.0	2.3	.8

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.7	.0	.0	.0	.5	.3	.3
4	99.7	.0	.0	.5	.3	.0	.3
7	99.5	.0	.0	.0	.0	.0	.5
10	99.7	.0	.0	.0	.0	.3	.3
13	100.0	.0	.0	.0	.0	.3	.0
16	100.0	.0	.0	.0	.3	.3	.0
19	100.0	.0	.0	.3	.3	.5	.0
22	99.7	.0	.0	.3	.3	.3	.3

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.7	.0	1.1	1.6	3.5	7.7	3.4
4	96.9	1.8	3.4	2.9	5.5	4.3	2.9
7	95.1	1.9	1.9	3.5	6.3	3.8	4.1
10	92.6	2.2	3.3	4.4	3.1	2.8	6.9
13	90.8	.6	1.4	1.7	2.3	2.5	7.3
16	93.8	2.7	3.0	2.2	2.2	2.2	5.5
19	95.4	1.3	.8	1.1	2.2	3.8	4.3
22	96.9	1.3	1.1	1.6	2.4	6.3	2.9

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.5	.3	.0	.0
4	99.5	.3	.5	.3	.3	.3	.5
7	99.7	.5	.5	.3	.0	.8	.3
10	99.7	.0	.5	.0	.3	.3	.3
13	100.0	.3	.3	.3	.8	.0	.0
16	99.7	.5	.0	.5	.0	.5	.3
19	99.2	.3	.3	.0	.0	.3	.8
22	99.7	.0	.0	.0	.5	.3	.3

MARCH

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	3.0	61.5	46.2	23.1	23.1	30.8	38.5	30.8	15.4	.0	.0
4	3.7	37.5	43.8	43.8	25.0	31.3	43.8	31.3	25.0	18.8	12.5
7	4.4	78.9	57.9	36.8	57.9	47.4	52.6	15.8	5.3	10.5	10.5
10	6.0	57.7	65.4	69.2	53.8	42.3	7.7	3.8	3.8	7.7	15.4
13	11.1	70.8	70.8	56.3	37.5	16.7	6.3	2.1	8.5	12.5	17.0
16	14.4	61.3	45.2	32.3	17.7	8.1	6.5	6.5	12.9	17.7	19.4
19	9.0	46.2	38.5	25.6	17.9	10.3	15.4	17.9	25.6	23.1	17.9
22	4.6	50.0	35.0	35.0	10.0	15.0	30.0	35.0	25.0	20.0	10.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	97.0	1.2	2.1	3.1	3.8	5.2	10.3	13.8	8.8	4.8	3.3
4	96.3	1.0	2.7	2.9	5.3	10.4	13.2	8.1	3.8	2.6	3.6
7	95.6	1.5	3.6	4.6	9.0	12.9	7.0	4.1	3.1	3.6	4.9
10	94.0	4.7	8.4	7.4	11.8	6.9	4.4	3.2	3.9	4.9	6.1
13	88.9	4.5	8.4	9.2	5.5	3.1	2.9	4.2	4.7	5.7	11.0
16	85.6	3.3	6.3	5.1	2.4	2.4	3.5	4.6	5.7	10.9	14.1
19	91.0	.5	2.3	2.5	1.8	3.3	4.1	5.6	10.5	14.0	9.1
22	95.4	.7	2.4	1.7	3.6	4.6	5.6	10.7	14.3	9.4	4.1

MARCH

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.9	50.0	25.0	.0	.0	50.0	.0
4	.7	33.3	33.3	33.3	.0	33.3	.0
7	.7	100.0	33.3	33.3	33.3	33.3	.0
10	2.8	50.0	50.0	58.3	41.7	8.3	8.3
13	5.8	76.0	80.0	48.0	24.0	.0	4.2
16	8.8	47.4	31.6	15.8	13.2	2.6	10.5
19	3.0	46.2	38.5	15.4	7.7	.0	.0
22	1.8	37.5	25.0	12.5	.0	25.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	50.0	50.0	50.0	50.0	.0	.0
4	.9	25.0	25.0	50.0	25.0	.0	.0
7	.7	33.3	33.3	33.3	.0	.0	.0
10	.9	50.0	50.0	25.0	.0	.0	.0
13	.7	100.0	33.3	33.3	.0	33.3	.0
16	.9	25.0	25.0	25.0	.0	.0	.0
19	.9	25.0	.0	.0	.0	.0	.0
22	.7	66.7	66.7	33.3	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	100.0	100.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.1	66.7	55.6	33.3	33.3	33.3	.0
4	3.0	38.5	46.2	46.2	30.8	38.5	15.4
7	3.7	75.0	56.3	37.5	50.0	50.0	12.5
10	3.2	64.3	71.4	57.1	50.0	7.1	14.3
13	5.3	65.2	60.9	65.2	52.2	13.0	30.4
16	5.6	83.3	66.7	58.3	25.0	12.5	16.7
19	6.0	42.3	34.6	30.8	15.4	23.1	26.9
22	2.8	58.3	41.7	50.0	16.7	33.3	16.7

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	100.0	.0	100.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

MARCH

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.1	.2	.5	.7	.7	5.4	1.2
4	99.3	.2	.2	.5	2.8	8.6	.7
7	99.3	.5	1.9	2.6	5.6	2.8	.7
10	97.2	1.7	4.3	4.3	7.9	1.7	2.6
13	94.2	3.7	5.2	6.4	1.7	1.2	5.4
16	91.2	2.0	2.8	1.8	.8	.5	8.7
19	97.0	.2	1.2	1.4	1.0	.7	3.1
22	98.2	.5	1.4	.9	.7	2.3	1.4

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.5	.2	.7	.5	.7	.5
4	99.1	.0	.2	.2	.7	.9	.9
7	99.3	.5	.9	.7	.7	.9	.9
10	99.1	.2	.5	.5	.9	.7	.9
13	99.3	.0	.7	.7	.9	.2	.7
16	99.1	.5	.7	.7	.7	.9	.7
19	99.1	.0	.5	.7	.5	.9	1.4
22	99.3	.0	.0	.2	.9	.9	.7

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	.0	.0	.0
4	99.8	.0	.5	.0	.0	.0	.2
7	100.0	.0	.0	.0	.0	.2	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.2	.0	.2	.0	.0
16	100.0	.2	.0	.2	.0	.2	.0
19	99.8	.0	.0	.0	.0	.0	.2
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.9	.9	1.6	2.4	3.1	4.7	2.1
4	97.0	.7	2.2	2.4	2.4	4.5	2.9
7	96.3	1.0	1.9	1.9	3.6	4.3	4.1
10	96.8	2.9	4.3	3.6	4.1	2.6	3.6
13	94.7	.5	2.5	2.2	3.4	1.5	4.9
16	94.4	1.0	3.0	2.9	1.5	2.7	5.4
19	94.0	.2	1.2	1.0	1.2	3.2	5.6
22	97.2	.2	1.0	.7	2.8	3.1	2.6

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.0	.2	.2	.0	.0
4	99.8	.2	.2	.0	.0	.0	.2
7	99.8	.2	.0	.0	.0	.0	.2
10	100.0	.5	.0	.0	.0	.2	.0
13	100.0	.0	.0	.0	.0	.0	.2
16	100.0	.0	.2	.0	.2	.2	.0
19	100.0	.2	.2	.2	.0	.2	.0
22	99.8	.0	.0	.0	.2	.0	.2

APRIL

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	4.0	58.8	29.4	17.6	23.5	29.4	35.3	29.4	5.9	.0	5.9
4	3.6	60.0	60.0	60.0	53.3	66.7	46.7	20.0	6.7	.0	.0
7	4.5	68.4	57.9	52.6	57.9	36.8	26.3	10.5	5.3	.0	.0
10	7.1	76.7	80.0	83.3	50.0	23.3	10.0	3.3	.0	10.0	3.3
13	13.6	75.4	66.7	52.6	24.6	12.3	5.3	7.0	8.8	8.8	24.6
16	14.9	56.5	44.3	32.3	17.7	9.7	8.1	9.7	16.1	30.6	27.4
19	6.7	46.4	32.1	39.3	25.0	10.7	10.7	21.4	35.7	21.4	7.1
22	4.0	64.7	41.2	47.1	23.5	11.8	29.4	41.2	41.2	5.9	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	96.0	1.7	2.0	3.0	3.7	6.2	12.7	14.2	6.7	4.2	3.7
4	96.4	1.0	2.0	2.5	5.4	11.6	13.7	6.2	4.0	4.0	3.2
7	95.5	2.2	3.5	5.0	11.5	13.8	5.7	3.7	3.7	3.2	4.0
10	92.9	4.1	5.7	8.2	12.1	5.4	3.6	3.8	3.3	3.3	6.7
13	86.4	4.7	6.6	8.9	3.9	2.8	3.6	2.5	3.0	6.1	11.1
16	85.1	5.6	3.4	2.3	1.7	2.8	2.3	2.8	4.8	9.9	12.5
19	93.3	1.8	1.5	1.5	2.3	2.6	3.3	5.4	11.3	14.1	6.1
22	96.0	1.2	2.0	2.0	2.2	3.5	5.5	11.7	13.5	6.2	3.7

APRIL

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.7	42.9	14.3	14.3	14.3	14.3	14.3
4	1.0	25.0	.0	50.0	.0	50.0	.0
7	1.2	60.0	60.0	40.0	40.0	20.0	.0
10	3.3	57.1	78.6	71.4	42.9	.0	.0
13	6.7	71.4	60.7	50.0	14.3	.0	10.7
16	9.4	43.6	43.6	15.4	7.7	2.6	20.5
19	2.9	25.0	8.3	16.7	16.7	8.3	8.3
22	1.4	50.0	16.7	16.7	33.3	.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.7	66.7	33.3	.0	.0	.0	.0
10	.7	66.7	66.7	66.7	33.3	.0	.0
13	.5	100.0	50.0	50.0	50.0	.0	.0
16	.5	50.0	50.0	50.0	.0	.0	.0
19	1.2	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.4	70.0	40.0	20.0	20.0	30.0	.0
4	2.6	72.7	81.8	63.6	27.3	27.3	.0
7	3.3	71.4	57.1	42.9	42.9	28.6	.0
10	3.8	93.8	81.3	87.5	56.3	18.8	.0
13	7.2	76.7	70.0	53.3	33.3	10.0	23.3
16	5.8	75.0	43.5	50.0	29.2	12.5	16.7
19	3.8	62.5	50.0	56.3	31.3	12.5	.0
22	2.6	72.7	54.5	63.6	18.2	9.1	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.7	100.0	33.3	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.5	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

APRIL

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.3	.5	.5	.7	1.0	6.6	1.2
4	99.0	.2	.7	.7	3.4	9.0	1.0
7	98.8	1.0	1.4	2.9	6.3	2.7	1.2
10	96.7	2.0	2.5	4.4	8.2	1.5	3.4
13	93.3	3.3	4.6	6.4	2.0	1.5	6.9
16	90.6	4.5	2.9	1.6	.8	.8	8.8
19	97.1	1.5	1.5	1.0	1.0	1.0	3.2
22	98.6	1.0	1.4	1.2	.5	3.4	1.4

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.0	.7	.5	.0
4	100.0	.0	.2	.7	.7	.5	.0
7	99.3	.0	1.2	.7	.5	1.2	.5
10	99.3	1.0	.5	.0	.2	.0	.7
13	99.5	.7	.2	.2	1.0	.0	.5
16	99.5	.7	.7	1.0	.0	.0	.5
19	98.8	.2	.0	.0	.0	.5	.7
22	100.0	.2	.5	.0	.0	.7	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.6	1.2	1.5	2.2	2.9	6.6	2.4
4	97.4	.7	1.2	1.7	3.2	5.2	2.2
7	96.7	1.5	2.0	2.5	5.9	3.0	2.7
10	95.2	2.0	3.0	4.0	3.7	2.0	3.2
13	92.8	1.5	1.8	2.1	1.5	1.8	4.6
16	94.2	.8	.5	1.0	1.0	1.5	4.3
19	96.2	.2	.0	.5	1.2	2.2	3.0
22	97.4	.2	.5	.7	1.7	2.9	2.2

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.2	.0	.0	.7	.2
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.7	.5	.0
10	100.0	.2	.5	.7	.0	.0	.0
13	99.3	.0	.0	.0	.5	.2	.5
16	100.0	.5	.2	.5	.0	.0	.0
19	99.5	.7	.0	.0	.2	.0	.5
22	100.0	.2	.2	.2	.0	.0	.0

MAY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	.5	.0	.0	50.0	0	50.0	50.0	50.0	.0	.0	.0
4	.7	33.3	66.7	.0	33.3	66.7	100.0	.0	.0	.0	.0
7	1.4	83.3	50.0	50.0	66.7	50.0	16.7	16.7	.0	.0	.0
10	2.8	66.7	50.0	66.7	50.0	16.7	8.3	.0	.0	.0	.0
13	7.1	71.0	67.7	54.8	12.9	19.4	3.2	6.5	3.2	9.7	12.9
16	9.2	62.5	40.0	17.5	10.0	2.5	5.0	.0	7.5	15.0	17.5
19	2.3	60.0	30.0	40.0	.0	.0	.0	.0	20.0	30.0	20.0
22	1.6	42.9	28.6	.0	14.3	.0	14.3	14.3	42.9	57.1	14.3

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	99.5	.5	.2	.5	1.4	2.6	7.0	9.1	2.3	1.6	.5
4	99.3	.2	.7	1.4	2.6	6.7	8.6	2.3	1.6	.5	.7
7	98.6	1.9	1.6	2.1	6.3	8.7	2.1	1.4	.5	.7	1.4
10	97.2	3.3	4.0	5.5	8.1	1.9	1.4	.5	.7	1.4	2.8
13	92.9	3.7	6.7	5.7	1.5	.2	.2	.2	1.2	2.2	6.2
16	90.8	3.8	3.3	.8	.8	.3	.3	1.5	2.3	5.9	7.7
19	97.7	1.0	1.0	.7	.2	.7	1.4	2.9	6.4	8.1	1.4
22	98.4	.7	.2	.5	.5	1.4	2.6	6.6	8.0	.9	1.4

MAY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	100.0	.0	100.0	.0
4	.5	.0	50.0	.0	50.0	100.0	.0
7	.9	75.0	50.0	50.0	75.0	25.0	.0
10	2.1	66.7	55.6	77.8	66.7	11.1	.0
13	5.8	64.0	68.0	56.0	12.0	4.0	12.0
16	8.8	60.5	39.5	15.8	7.9	5.3	18.4
19	1.9	50.0	12.5	25.0	.0	.0	12.5
22	1.2	20.0	.0	.0	20.0	20.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.2	100.0	100.0	100.0	.0	.0	.0
16	.2	100.0	100.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.2	100.0	100.0	.0	.0	.0	.0
7	.5	100.0	50.0	50.0	50.0	.0	.0
10	.7	66.7	33.3	33.3	.0	.0	.0
13	1.8	75.0	37.5	25.0	12.5	.0	.0
16	.5	100.0	50.0	50.0	50.0	.0	.0
19	.5	100.0	100.0	100.0	.0	.0	50.0
22	.5	100.0	100.0	.0	.0	.0	50.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

MAY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	.2	.2	.9	5.6	.2
4	99.5	.0	.0	.9	1.9	8.4	.5
7	99.1	1.2	.7	1.6	5.1	1.6	.9
10	97.9	2.6	2.8	4.2	7.5	.9	2.1
13	94.2	3.4	6.6	5.9	1.2	.0	4.9
16	91.2	3.0	2.3	.5	.5	.0	7.1
19	98.1	.9	.7	.7	.2	.9	1.2
22	98.8	.5	.0	.2	.2	1.9	1.2

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.2	.0
4	100.0	.0	.0	.0	.2	.2	.0
7	100.0	.0	.2	.2	.2	.0	.0
10	99.8	.2	.0	.2	.2	.0	.2
13	99.8	.2	.0	.0	.0	.0	.2
16	99.8	.0	.0	.0	.0	.0	.2
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.2	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.2	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.2	.0	.2	.5	1.9	.2
4	99.8	.2	.7	.5	.7	.5	.2
7	99.5	.7	.9	.5	1.6	.5	.5
10	99.3	.7	1.2	1.6	.5	.5	.7
13	98.2	.5	.5	.0	.2	.2	1.9
16	99.5	.7	.9	.2	.2	.2	.5
19	99.5	.0	.2	.0	.0	.5	.2
22	99.5	.2	.2	.2	.2	.7	.2

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.2	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

JUNE

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	.7	.0	33.3	.0	.0	.0	33.3	.0	.0	.0	.0
4	.7	33.3	33.3	.0	.0	.0	33.3	33.3	.0	.0	.0
7	.5	.0	.0	50.0	50.0	50.0	100.0	.0	.0	.0	.0
10	2.4	50.0	40.0	40.0	60.0	20.0	10.0	.0	.0	.0	.0
13	3.8	81.3	62.5	81.3	18.8	6.3	.0	.0	6.3	6.3	18.8
16	7.1	70.0	53.3	20.0	3.3	6.7	.0	3.3	10.0	13.3	16.7
19	3.8	43.8	12.5	6.3	.0	6.3	.0	.0	6.3	18.8	18.8
22	.7	.0	.0	.0	.0	.0	.0	33.3	66.7	.0	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	99.3	.7	1.0	.7	.5	2.4	3.6	7.2	3.8	.7	.7
4	99.3	.5	.2	.5	2.4	3.8	7.0	3.6	.7	.7	.7
7	99.5	1.0	1.4	2.2	3.6	7.0	3.4	.7	.7	.7	5
10	97.6	.2	1.5	2.9	5.9	3.4	.5	.7	.7	.5	2.4
13	96.2	2.0	5.2	4.2	3.2	.5	.7	.7	.2	2.2	3.2
16	92.9	4.1	3.3	2.6	.5	.3	.8	.3	1.8	3.1	6.4
19	96.2	.7	.5	.5	.7	.5	.5	2.5	3.7	6.7	3.2
22	99.3	.0	.0	.7	.7	.5	2.4	3.6	6.7	3.8	.7

JUNE

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	.0	33.3	.0	.0	33.3	.0
4	.5	50.0	50.0	.0	.0	50.0	.0
7	.5	.0	.0	50.0	50.0	100.0	.0
10	2.1	44.4	44.4	44.4	66.7	11.1	.0
13	3.6	80.0	66.7	86.7	20.0	.0	20.0
16	6.7	71.4	53.6	17.9	3.6	.0	17.9
19	3.1	30.8	7.7	7.7	.0	.0	23.1
22	.5	.0	.0	.0	.0	.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	100.0	.0	.0	.0	.0	.0
13	.2	100.0	.0	.0	.0	.0	.0
16	.5	50.0	50.0	50.0	.0	.0	.0
19	.7	100.0	33.3	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

JUNE

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.5	.7	.5	.5	3.4	.7
4	99.5	.5	.2	.5	2.2	6.5	.5
7	99.5	.7	1.2	1.9	3.4	2.6	.5
10	97.9	.2	1.2	2.7	5.4	.2	2.2
13	96.4	2.0	4.7	3.7	2.5	.7	3.0
16	93.3	3.8	2.8	2.0	.3	.5	5.9
19	96.9	.5	.5	.2	.7	.5	2.5
22	99.5	.0	.0	.7	.5	2.2	.5

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.2	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.2	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.2	.2	.0	.2	.0
4	99.8	.0	.0	.0	.2	.5	.2
7	100.0	.2	.2	.2	.2	.7	.0
10	99.8	.0	.2	.2	.5	.0	.2
13	99.8	.0	.2	.5	.7	.0	.2
16	99.5	.2	.5	.5	.0	.2	.5
19	99.3	.2	.0	.0	.0	.0	.7
22	100.0	.0	.0	.0	.2	.2	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.2	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.2	.0	.0
19	100.0	.0	.0	.2	.0	.0	.0
22	99.8	.0	.0	.0	.0	.0	.2

JULY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	.2	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.5	50.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.2	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0
16	2.1	66.7	55.6	22.2	11.1	.0	.0	11.1	.0	.0	11.1
19	.7	33.3	.0	33.3	.0	.0	.0	.0	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	99.8	.0	.0	.0	.5	.5	.2	2.1	.7	.2	.2
4	100.0	.2	.2	.7	.5	.2	2.1	.7	.2	.2	.0
7	99.3	.0	.0	.5	.2	2.1	.7	.2	.2	.0	.7
10	99.5	.0	.2	.2	2.1	.7	.2	.2	.0	.7	.5
13	99.8	.7	.7	2.1	.7	.2	.2	.0	.7	.5	.2
16	97.9	2.6	1.9	.2	.0	.2	.0	.5	.5	.2	1.9
19	99.3	.2	.0	.0	.2	.0	.7	.5	.2	2.1	.7
22	99.8	.0	.0	.2	.0	.7	.5	.2	2.1	.7	.2

JULY

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.2	.0	100.0	.0	.0	.0	.0
16	2.1	66.7	55.6	22.2	11.1	.0	11.1
19	.7	33.3	.0	33.3	.0	.0	.0
22	.2	100.0	.0	.0	.0	.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.2	100.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.5	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

JULY

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.2	.0
4	100.0	.2	.0	.0	.2	2.1	.0
7	100.0	.0	.0	.2	.2	.7	.0
10	99.8	.0	.2	.2	2.1	.2	.2
13	99.8	.7	.7	2.1	.7	.0	.2
16	97.9	2.6	1.9	.2	.0	.0	1.9
19	99.3	.0	.0	.0	.0	.0	.7
22	99.8	.0	.0	.0	.0	.2	.2

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.2	.0	.0
7	100.0	.0	.0	.2	.0	.0	.0
10	99.8	.0	.0	.0	.0	.0	.2
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.2	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.2	.0	.0
4	100.0	.0	.2	.2	.2	.0	.0
7	99.8	.0	.0	.2	.0	.0	.2
10	99.8	.0	.0	.0	.0	.0	.2
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.2	.0	.0	.0	.2	.0
22	100.0	.0	.0	.0	.0	.2	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.5	.0	.2
4	100.0	.0	.0	.5	.0	.0	.0
7	99.5	.0	.0	.0	.0	.0	.5
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.2	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.2	.5	.0
22	100.0	.0	.0	.2	.0	.0	.0

AUGUST

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.2	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
16	2.5	27.3	.0	.0	.0	.0	.0	9.1	.0	.0	9.1
19	.7	33.3	.0	.0	.0	.0	.0	.0	.0	33.3	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	100.0	.5	.0	.2	.2	.0	.2	2.5	.7	.0	.0
4	99.8	.0	.0	.2	.0	.2	2.5	.7	.0	.0	.2
7	99.8	.0	.0	.0	.2	2.5	.7	.0	.0	.2	.2
10	100.0	.0	.2	.2	2.5	.7	.0	.0	.2	.2	.0
13	99.8	1.4	.7	2.5	.5	.0	.0	.2	.2	.0	.2
16	97.5	.7	.5	.7	.0	.0	.2	.0	.0	.2	2.6
19	99.3	.0	.0	.0	.0	.2	.2	.0	.2	2.6	.7
22	100.0	.0	.0	.0	.2	.2	.0	.2	2.8	.7	.0

AUGUST

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.2	.0	.0	.0	.0	.0	.0
18	2.3	30.0	.0	.0	.0	.0	10.0
19	.5	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.2	100.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

AUGUST

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.0	.0	.0	.2	.0
4	100.0	.0	.0	.0	.0	2.3	.0
7	100.0	.0	.0	.0	.2	.5	.0
10	100.0	.0	.2	.2	2.3	.0	.0
13	99.8	.9	.5	2.3	.5	.0	.2
16	97.7	.7	.5	.5	.0	.0	2.4
19	99.5	.0	.0	.0	.0	.0	.5
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.2	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.0	.2	.2	.0	.0
4	99.8	.0	.0	.2	.0	.2	.2
7	99.8	.0	.0	.0	.0	.2	.2
10	100.0	.0	.0	.0	.2	.0	.0
13	100.0	.0	.2	.2	.2	.0	.0
16	99.8	.0	.0	.2	.0	.2	.2
19	99.8	.0	.0	.0	.0	.2	.2
22	100.0	.0	.0	.0	.2	.0	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.2	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

SEPTEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	.7	66.7	66.7	66.7	66.7	66.7	66.7	.0	.0	.0	33.3
4	1.0	100.0	100.0	75.0	75.0	75.0	.0	.0	.0	25.0	25.0
7	.7	100.0	100.0	100.0	66.7	.0	.0	.0	33.3	33.3	33.3
10	1.0	50.0	75.0	75.0	25.0	.0	.0	25.0	25.0	25.0	25.0
13	1.9	62.5	62.5	37.5	.0	.0	12.5	12.5	12.5	12.5	12.5
16	3.3	35.7	14.3	7.1	.0	.0	7.1	7.1	7.1	7.1	21.4
19	1.2	40.0	60.0	40.0	40.0	40.0	40.0	40.0	20.0	.0	.0
22	.5	50.0	50.0	100.0	50.0	50.0	50.0	50.0	.0	.0	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	99.3	.2	.2	.5	.2	.5	1.4	3.4	1.2	.5	.5
4	99.0	.5	.2	.0	.2	1.2	3.4	1.2	.5	.5	.7
7	99.3	.0	.2	.2	1.4	3.4	1.2	.5	.5	.7	.5
10	99.0	.5	.2	1.2	3.1	1.2	.5	.5	.7	.5	.7
13	98.1	.5	2.2	2.7	1.2	.5	.5	.7	.5	.7	1.7
16	96.7	1.0	.7	1.0	.5	.7	.7	.5	.7	1.7	2.5
19	98.8	.0	.0	.0	.2	.5	.2	.5	1.7	3.1	1.2
22	99.5	.2	.2	.2	.7	.5	.7	1.7	3.1	1.2	.5

SEPTEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	100.0	100.0	100.0	.0	.0
13	1.0	100.0	75.0	75.0	.0	.0	.0
16	2.9	25.0	8.3	.0	.0	.0	25.0
19	.7	.0	33.3	33.3	33.3	.0	.0
22	.2	.0	.0	100.0	.0	.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	100.0	100.0	50.0	50.0	50.0	50.0
4	.5	100.0	100.0	100.0	100.0	.0	.0
7	.5	50.0	100.0	100.0	.0	.0	.0
10	.5	50.0	.0	.0	.0	.0	.0
13	.5	.0	.0	.0	.0	50.0	.0
16	.2	100.0	.0	.0	.0	.0	.0
19	.2	100.0	100.0	100.0	100.0	.0	.0
22	.2	100.0	100.0	100.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	100.0	100.0	100.0	100.0	100.0	50.0
4	1.0	100.0	100.0	75.0	75.0	.0	25.0
7	.7	100.0	100.0	100.0	66.7	.0	33.3
10	.7	66.7	66.7	66.7	.0	.0	33.3
13	.7	33.3	33.3	.0	.0	33.3	33.3
16	.5	100.0	50.0	50.0	.0	50.0	.0
19	.5	100.0	100.0	50.0	50.0	100.0	.0
22	.2	100.0	100.0	100.0	100.0	100.0	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.2	.0	100.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.2	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

SEPTEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.0	.0	.0	.0	1.0	.2
4	100.0	.2	.0	.0	.2	2.9	.0
7	100.0	.0	.0	.2	1.0	.7	.0
10	99.8	.2	.5	.7	2.6	.2	.2
13	99.0	.2	1.7	2.2	.7	.2	1.0
16	97.1	.5	.2	.7	.2	.0	2.0
19	99.3	.0	.0	.0	.0	.0	.7
22	99.8	.0	.0	.0	.0	.2	.2

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.2	.2	.2	.2
4	99.5	.0	.2	.0	.0	.2	.5
7	99.5	.0	.0	.0	.5	.2	.5
10	99.5	.0	.5	.5	.2	.2	.5
13	99.5	.0	.0	.2	.2	.2	.5
16	99.8	.0	.0	.2	.2	.5	.2
19	99.8	.0	.0	.0	.2	.5	.2
22	99.8	.0	.0	.2	.5	.5	.2

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.2	.2	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.0	.0	.5	.2	.2	.2
4	99.0	.0	.2	.0	.0	.5	.7
7	99.3	.0	.2	.0	.2	.5	.5
10	99.3	.2	.2	.2	.5	.2	.5
13	99.3	.2	.5	.5	.5	.2	.5
16	99.5	.5	.5	.2	.2	.7	.5
19	99.5	.0	.0	.0	.2	.2	.5
22	99.8	.2	.2	.2	.7	.5	.2

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.2	.0
4	100.0	.2	.0	.0	.0	.0	.0
7	100.0	.0	.0	.0	.2	.2	.0
10	100.0	.0	.0	.2	.0	.0	.0
13	99.8	.0	.2	.0	.2	.0	.2
16	100.0	.0	.0	.2	.0	.0	.0
19	99.8	.0	.0	.0	.0	.0	.2
22	100.0	.0	.0	.0	.0	.0	.0

OCTOBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	1.2	20.0	20.0	60.0	20.0	.0	20.0	.0	.0	20.0	20.0
7	1.6	57.1	57.1	42.9	14.3	28.6	.0	.0	14.3	14.3	14.3
10	1.8	87.5	100.0	75.0	50.0	12.5	.0	.0	12.5	12.5	37.5
13	3.0	53.8	61.5	38.5	7.7	7.7	.0	15.4	7.7	23.1	15.4
16	4.4	42.1	10.5	10.5	5.3	5.3	5.3	5.3	10.5	5.3	.0
19	.7	66.7	.0	33.3	.0	.0	.0	33.3	33.3	33.3	.0
22	.7	33.3	.0	.0	.0	.0	66.7	66.7	33.3	.0	.0

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	99.8	.7	.5	1.2	1.6	1.8	3.0	4.4	.7	.7	.2
4	98.8	.5	1.6	.9	1.6	3.0	4.2	.7	.7	.0	.9
7	98.4	.9	1.2	1.2	2.8	4.0	.7	.7	.0	.9	1.4
10	98.2	.9	1.4	1.6	3.5	.5	.7	.2	.9	1.4	1.2
13	97.0	1.9	3.3	3.3	.5	.5	.2	.7	1.4	1.2	2.6
16	95.6	.2	.7	.2	.5	.0	1.0	1.4	1.5	2.9	4.6
19	99.3	.2	.0	.5	.2	1.2	1.6	1.6	2.8	4.2	.7
22	99.3	.2	.2	.2	1.2	1.6	1.4	2.6	4.2	.7	.7

OCTOBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	.0	.0	.0	.0	.0	.0
4	.7	33.3	.0	33.3	.0	.0	33.3
7	.2	100.0	100.0	.0	.0	.0	.0
10	.9	75.0	100.0	100.0	50.0	.0	25.0
13	2.3	40.0	50.0	20.0	.0	.0	20.0
16	2.5	45.5	.0	.0	9.1	.0	.0
19	.2	100.0	.0	100.0	.0	.0	.0
22	.7	33.3	.0	.0	.0	66.7	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	100.0	.0	.0	.0
7	1.4	50.0	50.0	50.0	16.7	.0	16.7
10	.9	100.0	100.0	50.0	50.0	.0	50.0
13	.7	100.0	100.0	100.0	33.3	.0	.0
16	1.6	28.6	28.6	28.6	.0	.0	.0
19	.5	50.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
16	.2	100.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

OCTOBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.7	.2	.7	.2	2.3	.2
4	99.3	.5	.7	.0	.9	2.6	.5
7	99.8	.5	.9	.9	2.3	.2	.2
10	99.1	.9	1.4	1.4	2.1	.7	.7
13	97.7	1.2	2.4	2.1	.2	.2	1.9
16	97.5	.2	.7	.2	.5	.7	2.6
19	99.8	.2	.0	.5	.2	.2	.2
22	99.3	.2	.0	.2	.7	.5	.7

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.2	.0	.0	.0	.0
7	100.0	.2	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.2	.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.0	.0
4	100.0	.0	.0	.0	.0	.0	.0
7	100.0	.2	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.0	.0	.0
13	100.0	.0	.0	.0	.0	.0	.0
16	100.0	.0	.0	.0	.0	.0	.0
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.2	1.4	.7	.0
4	99.8	.0	1.2	1.2	.9	1.6	.2
7	98.6	.2	.2	.2	.5	.5	1.2
10	99.1	.0	.0	.2	1.2	.0	.5
13	99.3	.7	.9	.9	.2	.0	.7
16	98.4	.0	.0	.0	.0	.2	1.6
19	99.5	.0	.0	.0	.0	1.4	.5
22	100.0	.0	.2	.0	.2	.9	.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.2	.0	.0	.0
4	99.8	.0	.0	.0	.0	.2	.2
7	100.0	.0	.0	.0	.0	.0	.0
10	100.0	.0	.0	.0	.2	.0	.0
13	100.0	.0	.0	.2	.0	.0	.0
16	99.8	.0	.0	.0	.0	.2	.2
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.2	.0	.0

NOVEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	2.9	41.7	50.0	41.7	50.0	50.0	58.3	58.3	33.3	41.7	16.7
4	2.4	80.0	70.0	80.0	100.0	70.0	70.0	30.0	40.0	10.0	10.0
7	4.3	77.8	88.2	83.3	77.8	66.7	38.9	44.4	16.7	11.1	16.7
10	7.4	67.7	58.1	67.7	51.6	25.8	35.5	19.4	12.9	22.6	29.0
13	8.3	65.7	65.7	62.9	31.4	34.3	17.1	11.4	17.1	22.9	20.0
16	9.8	65.9	46.3	29.3	31.7	19.5	9.8	14.6	22.0	14.6	24.4
19	4.0	82.4	76.5	70.6	35.3	17.6	17.6	23.5	23.5	29.4	11.8
22	4.5	63.2	47.4	36.8	21.1	21.1	36.8	26.3	26.3	10.5	21.1

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	97.1	.7	1.5	1.2	2.9	6.1	6.9	8.3	3.2	3.4	2.7
4	97.6	1.5	2.9	2.4	5.1	6.8	8.3	3.4	3.7	2.9	2.2
7	95.7	.5	2.7	4.0	5.2	7.2	2.5	2.7	2.5	2.0	3.7
10	92.6	1.5	3.1	3.6	6.4	2.3	2.1	1.8	1.5	2.8	5.9
13	91.7	1.8	3.4	4.9	1.6	1.8	1.8	1.6	3.1	6.2	7.3
16	90.2	1.6	1.1	1.3	1.6	1.3	1.6	3.2	6.1	7.7	8.2
19	96.0	.7	1.5	1.7	1.7	1.7	3.7	6.9	7.7	8.9	4.0
22	95.5	.5	1.2	1.5	1.5	3.5	6.2	7.5	9.0	4.0	3.7

NOVEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	.0	50.0	.0	.0	.0	.0
4	.2	.0	.0	.0	100.0	.0	.0
7	.2	.0	100.0	100.0	100.0	.0	.0
10	1.7	28.6	14.3	28.6	28.6	.0	.0
13	1.9	50.0	37.5	50.0	12.5	12.5	0
16	2.6	36.4	9.1	9.1	9.1	.0	9.1
19	.2	.0	.0	.0	.0	.0	.0
22	.7	33.3	.0	.0	.0	33.3	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.5	.0	.0	.0	.0	.0	50.0
4	.5	100.0	100.0	100.0	50.0	100.0	.0
7	.7	100.0	66.7	66.7	66.7	33.3	.0
10	1.7	85.7	100.0	71.4	57.1	14.3	14.3
13	1.7	57.1	71.4	85.7	28.6	14.3	.0
16	2.9	58.3	25.0	16.7	16.7	.0	8.3
19	.5	50.0	50.0	50.0	.0	.0	.0
22	.5	100.0	50.0	50.0	.0	.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.5	50.0	100.0	50.0	50.0	.0	.0
10	.5	100.0	50.0	50.0	50.0	.0	.0
13	.2	.0	100.0	100.0	.0	.0	.0
16	.2	100.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	2.4	50.0	50.0	50.0	60.0	70.0	20.0
4	2.1	88.9	77.8	88.9	100.0	77.8	11.1
7	3.8	81.3	87.5	87.5	81.3	43.8	12.5
10	5.5	78.3	69.6	82.6	60.9	43.5	30.4
13	6.7	67.9	71.4	64.3	35.7	17.9	21.4
16	7.1	76.7	60.0	36.7	36.7	13.3	26.7
19	3.8	87.5	81.3	75.0	37.5	18.8	12.5
22	3.8	68.8	56.3	43.8	25.0	37.5	25.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.2	.0	.0	.0	.0	.0	.0
10	.2	100.0	100.0	100.0	100.0	.0	.0
13	.2	100.0	100.0	100.0	.0	.0	.0
16	.5	.0	.0	.0	.0	.0	.0
19	.2	.0	.0	.0	.0	.0	.0
22	.2	.0	.0	.0	.0	.0	.0

NOVEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.2	.0	.2	.2	1.9	.7
4	99.8	.5	.2	.2	1.4	2.6	.2
7	99.8	.2	1.0	1.4	1.7	.2	.2
10	98.3	.7	1.2	1.5	2.2	.7	1.9
13	98.1	1.0	.5	1.7	.0	.5	1.9
16	97.4	.2	.0	.0	.5	.2	2.4
19	99.8	.5	.5	.7	.7	.2	.5
22	99.3	.0	.5	.7	.2	1.7	.7

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.5	.2	.0	.5	.7	1.7	.2
4	99.5	.0	.5	.2	1.4	2.4	.5
7	99.3	.2	1.7	1.2	1.2	.2	.7
10	98.3	.2	.2	.5	1.9	.2	1.5
13	98.3	.7	.7	1.5	.0	.2	1.7
16	97.1	.2	.2	.0	.0	.5	2.7
19	99.5	.2	.0	.2	.5	.7	.5
22	99.5	.0	.2	.2	.5	1.7	.5

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.5	.2	.0
4	100.0	.2	.2	.5	.5	.2	.0
7	99.5	.0	.0	.2	.0	.0	.5
10	99.5	.0	.0	.0	.0	.0	.5
13	99.8	.2	.0	.0	.0	.0	.2
16	99.8	.0	.0	.0	.0	.0	.2
19	100.0	.0	.0	.0	.0	.5	.0
22	100.0	.0	.0	.0	.0	.5	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	97.6	.5	1.5	1.0	2.4	5.1	2.0
4	97.9	1.0	2.7	1.9	3.4	5.6	1.9
7	96.2	.5	1.7	2.2	3.7	2.2	3.5
10	94.5	.8	2.0	2.3	4.0	1.5	4.0
13	93.3	1.0	2.8	3.1	1.5	1.3	5.6
16	92.9	1.0	1.0	1.3	1.3	1.3	5.6
19	96.2	.2	1.0	1.0	1.0	3.2	3.5
22	96.2	.5	.7	.7	1.2	4.2	3.0

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.2	.0	.2	.2	.0
4	100.0	.0	.2	.2	.2	.5	.0
7	99.8	.2	.2	.2	.2	.2	.2
10	99.8	.5	.7	.0	.2	.2	.2
13	99.8	.2	.2	.2	.2	.0	.2
16	99.5	.5	.2	.2	.2	.0	.5
19	99.8	.0	.0	.2	.0	.2	.2
22	99.8	.0	.0	.0	.0	.2	.2

DECEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	4.4	78.9	78.9	68.4	52.6	42.1	42.1	31.6	26.3	21.1	15.8
4	5.1	72.7	54.5	50.0	40.9	45.5	31.8	18.2	18.2	22.7	22.7
7	6.2	70.4	74.1	51.9	44.4	44.4	18.5	18.5	14.8	14.8	18.5
10	5.8	80.0	68.0	64.0	40.0	28.0	24.0	16.0	12.0	16.0	12.0
13	8.5	81.1	67.6	48.6	29.7	21.6	16.2	18.9	27.0	18.9	21.6
16	7.6	71.9	60.6	36.4	24.2	21.2	21.2	21.2	21.2	15.2	24.2
19	4.4	47.4	31.6	42.1	36.8	36.8	33.8	36.8	26.3	21.1	10.5
22	3.9	88.2	58.8	52.9	41.2	47.1	47.1	35.3	35.3	17.6	23.5

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER

HOUR	PROB.	CONDITIONAL PROBABILITY AT DT HOURS LATER									
		1	2	3	6	9	12	15	18	21	24
1	95.6	1.2	1.7	2.2	4.1	4.1	7.0	6.5	3.4	3.1	3.6
4	94.9	1.5	1.5	3.9	3.9	6.6	6.3	3.6	3.2	3.2	4.1
7	93.8	2.0	2.7	2.7	6.1	5.2	3.4	2.9	3.4	4.4	5.4
10	94.2	1.0	2.4	5.1	5.6	2.9	2.7	3.4	4.6	5.6	5.1
13	91.5	3.0	4.8	3.8	2.0	2.3	3.0	3.8	4.3	4.3	7.3
16	92.4	1.7	1.7	1.7	2.2	2.7	3.7	5.0	4.2	8.0	6.5
19	95.6	1.2	1.2	2.2	2.7	3.6	4.8	4.1	7.7	7.2	3.9
22	96.1	1.9	2.9	2.2	3.6	4.6	3.8	7.4	6.7	3.6	3.1

DECEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF UNFAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.7	33.3	33.3	.0	33.3	33.3	.0
4	.7	33.3	.0	33.3	.0	33.3	33.3
7	.9	25.0	50.0	.0	25.0	.0	25.0
10	.5	50.0	50.0	50.0	.0	.0	.0
13	2.5	63.6	45.5	27.3	18.2	.0	18.2
16	1.6	28.6	42.9	.0	.0	14.3	.0
19	.9	50.0	.0	.0	.0	25.0	.0
22	.7	66.7	33.3	33.3	.0	.0	.0

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	1.4	100.0	100.0	100.0	100.0	66.7	.0
4	1.6	75.0	75.0	87.5	37.5	50.0	12.5
7	1.8	62.5	62.5	37.5	50.0	37.5	12.5
10	.9	75.0	75.0	50.0	75.0	.0	.0
13	2.8	58.3	50.0	41.7	25.0	.0	8.3
16	1.6	100.0	57.1	42.9	.0	28.6	28.6
19	1.2	60.0	20.0	.0	.0	.0	.0
22	.5	50.0	50.0	50.0	50.0	50.0	.0

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.2	100.0	100.0	100.0	100.0	.0	.0
4	.7	66.7	66.7	66.7	.0	33.3	.0
7	.9	75.0	50.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.2	.0	.0	.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	3.7	87.5	87.5	81.3	56.3	43.8	18.8
4	4.4	78.9	63.2	52.6	47.4	31.6	21.1
7	5.1	77.3	77.3	63.6	50.0	22.7	13.6
10	5.3	82.6	65.2	60.9	43.5	26.1	13.0
13	6.0	88.5	76.9	57.7	30.8	19.2	19.2
16	6.0	84.0	61.5	42.3	30.8	23.1	26.9
19	3.5	46.7	40.0	53.3	46.7	33.3	13.3
22	3.2	92.9	64.3	57.1	50.0	57.1	28.6

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
10	.2	.0	.0	.0	.0	.0	.0
13	.2	.0	.0	100.0	.0	.0	.0
16	.2	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0

DECEMBER

EAFB LANDING PROBABILITIES

PROBABILITY OF FAVORABLE CONDITIONS AT A GIVEN HOUR AND THE CONDITIONAL PROBABILITIES OF UNFAVORABLE CONDITIONS DT HOURS LATER FOR INDIVIDUAL CRIT.

CRITERIA ONE GROUND WINDS

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.3	.2	.5	.7	.7	2.3	.5
4	99.3	.5	.5	.7	.5	1.4	.5
7	99.1	.2	.5	.5	2.3	.9	.7
10	99.5	.2	1.2	2.3	1.6	.7	.2
13	97.5	.9	1.9	.9	.5	.5	2.1
16	98.4	.5	1.2	.9	.7	.5	1.9
19	99.1	.5	.5	.7	.5	.7	.7
22	99.3	.9	.2	.2	.7	.2	.7

CRITERIA TWO CEILING

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	98.6	.5	.5	.5	.5	1.9	1.4
4	98.2	.0	.2	.2	.2	.7	1.6
7	98.2	1.2	.5	.2	1.9	.5	1.6
10	99.1	1.4	1.9	2.3	.9	.5	.9
13	97.2	.5	.2	.5	.5	1.4	2.6
16	98.4	.7	.2	.5	.5	1.4	1.2
19	98.8	.0	.2	.5	1.4	1.9	1.2
22	99.5	.5	.7	1.2	1.6	.7	.5

CRITERIA THREE VISIBILITY

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	99.8	.5	.2	.5	.7	.2	.2
4	99.3	.2	.0	.5	.2	.0	.7
7	99.1	.0	.0	.2	.2	.0	.9
10	99.8	.2	.2	.2	.2	.0	.2
13	99.8	.2	.0	.2	.0	.2	.2
16	99.8	.2	.0	.0	.0	.7	.2
19	100.0	.0	.0	.0	.2	.9	.0
22	100.0	.0	.5	.2	.7	.2	.0

CRITERIA FOUR THUNDERSTORM

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	96.3	.7	1.2	1.4	3.1	4.6	3.1
4	95.6	.7	1.0	2.9	3.4	4.8	3.6
7	94.9	1.5	2.2	2.2	3.6	2.4	4.6
10	94.7	.5	1.5	2.9	3.9	1.9	4.9
13	94.0	2.0	2.7	2.7	1.7	2.7	5.1
16	94.0	1.0	.7	1.0	1.5	3.2	4.7
19	96.5	.7	.7	1.4	2.2	4.1	3.1
22	96.8	1.0	2.6	1.9	2.9	3.6	2.4

CRITERIA FIVE PRECIPITATION

HOUR	PROB.	CONDITIONAL PROBABILITIES 1	2	3	6	12	24
1	100.0	.0	.0	.0	.0	.2	.0
4	100.0	.0	.0	.0	.2	.2	.0
7	100.0	.2	.2	.2	.2	.0	.0
10	99.8	.2	.0	.2	.2	.0	.2
13	99.8	.0	.0	.0	.0	.0	.2
16	99.8	.0	.0	.0	.0	.0	.2
19	100.0	.0	.0	.0	.0	.0	.0
22	100.0	.0	.0	.0	.0	.2	.0