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**ATLANTIC TROPICAL CYCLONE STRIKE PROBABILITIES
(For Selected Stations and the Month of September)**

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| 16. ABSTRACT <p>This report presents tropical cyclone strike probabilities for selected stations during the several specified seasons and time intervals. The selected stations are Cape Kennedy, Florida; Mississippi Test Facility, Bay St. Louis, Mississippi; Wallops Island, Virginia; and Houston, Texas. The seasons are June-July, August, September, October, and November-May, and the time intervals are 12-, 24-, 36-, 48-, 72- and 96-hours. In addition, September strike probabilities are shown for 24- and 48-hour time periods for the five-degree latitude-longitude squares in the North Atlantic, Caribbean and Gulf of Mexico.</p> <p>The strike probabilities are given for circles having radii of one, two and three degrees of latitude and centered on either the selected station or the centers of the five-degree latitude-longitude squares. These probabilities are computed from the statistical climatologies of tropical cyclone movements presented by Crutcher (1971), published as NASA CR 61355. The model employed is the bivariate normal distribution.</p> | | | | | |
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FOREWORD

This work, a follow-on project to NASA CR 61355, was undertaken to provide tropical cyclone strike probabilities for sites of special interest to the National Aeronautics and Space Administration. The sites -- Cape Kennedy, Houston, Bay St. Louis, and Wallops Island -- were chosen because of their geographical locations relative to the tropical storm tracks.

From these statistical data and the current location of a tropical cyclone, one may assess the probability of the storm moving to within a specified distance of the NASA site.

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Introduction

In a previous report, NASA CR-61355, Crutcher (1971) presents Atlantic tropical cyclone bivariate normal distribution statistics by season and by time periods ranging from 12 to 96 hours. The seasons were June-July, August, September, October, and November-May. That paper provides, as an accompanying publication, the necessary statistical tables to compute strike probabilities (Groenewoud and others, 1967). In addition, for those who have computer facilities available, a Fortran IV electronic computer program was included, thereby bypassing the manual use of the tables.

In this report the term "strike probability" is defined as the probability that the center of an existing tropical cyclone will be within a selected area after a specified time interval. The user should note that the probability of the storm passing through the selected area during the same time interval will, in general, be somewhat greater than the probabilities presented here.

Strike probabilities have been computed for four locations of prime interest to the National Aeronautics and Space Administration, namely, Cape Kennedy, Florida, the Mississippi Test Facility, Bay St. Louis, Mississippi, Wallops Island, Virginia, and Houston, Texas. The time periods for these land locations range from 12- to 96-hours and all seasons are treated. In addition, for more general use, strike probabilities for target areas located at the center of five-degree latitude-longitude squares have been computed for 24- and 48-hour time intervals during September.

If other location strike probabilities are required, they may be computed from the tables furnished with the previous paper (NASA CR-61355) or the electronic computer program may be used. The bivariate normal statistics for use with the computer program can be obtained also from the prior paper or on magnetic tape at cost from the Director, National Climatic Center.

Data Source

The statistics presented here are based on data taken from the NOAA, EDS, National Climatic Center's Card Deck 993 (Tropical Cyclone Deck). The preparation of this deck was funded by the Commander, Naval Weather Service Command, Washington, D. C. The data are, for the most part, taken from the charts of North Atlantic Tropical Cyclones presented by Cry and others (1959) and Cry (1965). A complete description of this deck is available in a reference manual available at the National Climatic Center. The period of record used here is 1899-1969. This deck contains the latitude and longitude positions (in degrees to tenths) of storm centers at 00Z and 12Z. All movement vectors were calculated using the positions at these times. Only storms classified as a "tropical storm" or "hurricane" and originating in the North Atlantic Ocean were treated. These will be referred to as "tropical cyclones." Movements for the periods when these storms were classified as a "tropical depression" or "extratropical" are not included.

Procedures

The computations and grid system used in computing the bivariate statistics are described by Crutcher (op. cit.).

The strike probability values were computed systematically by employing certain restraints and assumptions. First, the bivariate statistics are valid for movements within a five-degree latitude-longitude square where all movements are considered to originate from the center of the square. Second, the targets were specified in all cases as circular areas with radii of one, two, and three degrees latitude (approximately 110, 220 and 330 kilometers). The squares are identified by a four digit number which gives the coordinates of the southwest corner (see Figure 1). The last two digits, when multiplied by five, give the longitude (degrees), while the first two digits give the latitude (degrees). For example, the square which has the four digit identifier 2010 is the square whose southern boundary is 20°N latitude and whose western boundary is 50°W longitude.

Figure 2 schematically illustrates the use of the bivariate normal distribution to obtain strike probabilities. The intersection of the X,Y coordinates locates the center of the origin square. The intersection of the major and minor axes of the ellipse represents the centroid of the distribution of tropical cyclone movements. In other words, it is the most probable position for a cyclone moving from the center of the square. However, the circular area with a radius R is the target area for which the strike probability is needed. The parameters H and K are the distances along the axes of the ellipse which locate the center of the circle relative to the elliptical distribution. $M(s_a)$ and $M(s_b)$ are the lengths of semi-major and semi-minor axes where s_a and s_b are the component standard deviations and M is a coefficient that has a numeric value

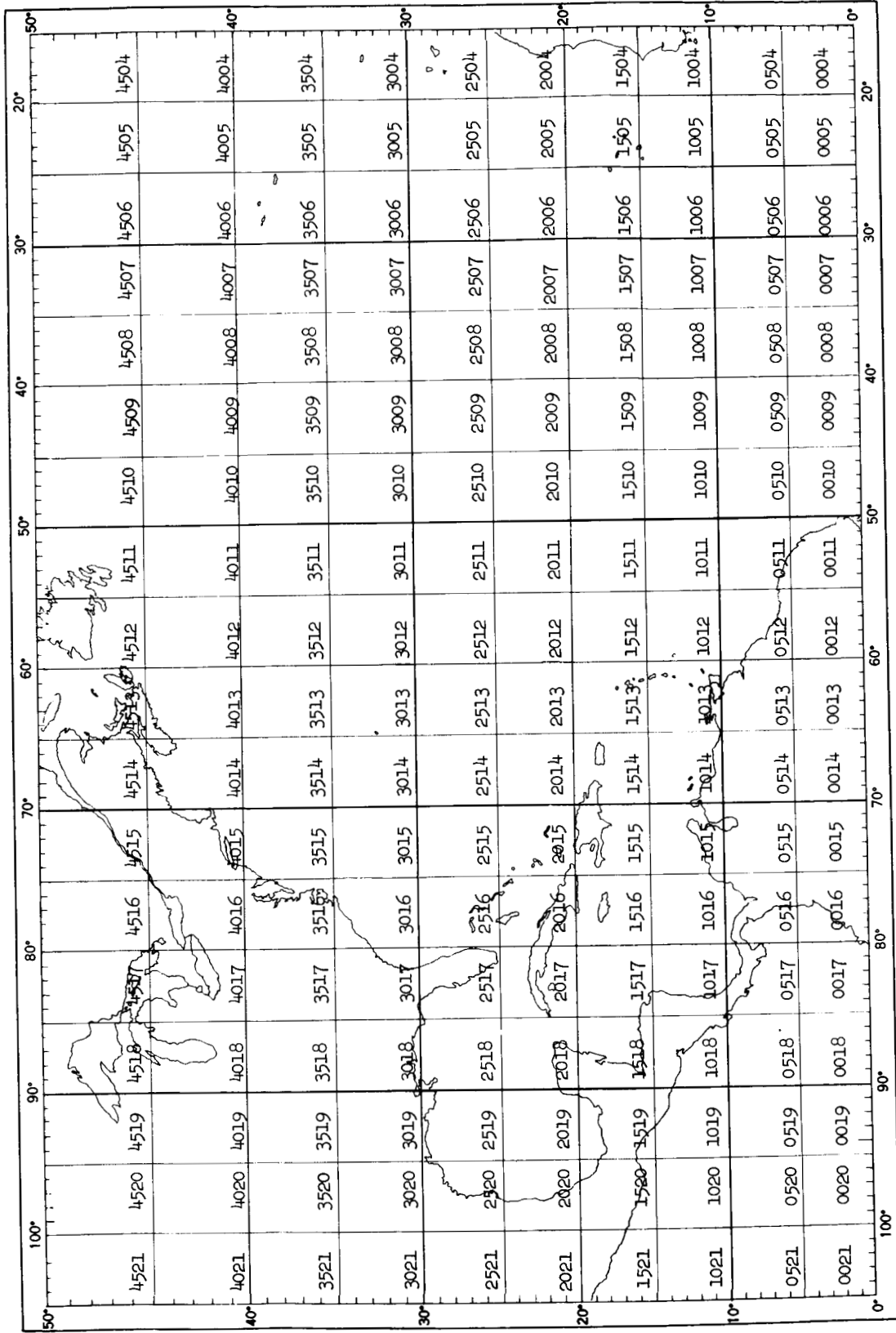


Figure 1 Mercator projection of the tropical North Atlantic and adjacent areas showing the positions and identification scheme for the five degree latitude by five degree longitude "squares".

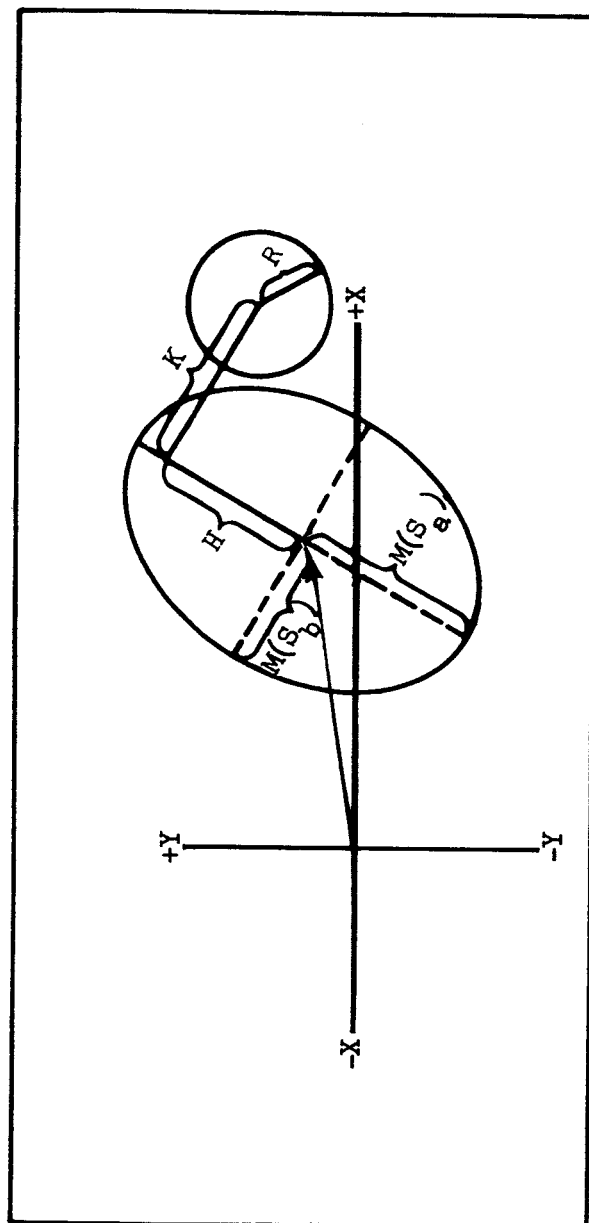


Figure 2 Generalized bivariate normal distribution in X, Y coordinates illustrating the parameters which define and locate the size and position of an offset circle.

dependent on the probability level of the ellipse. The probability value enclosed by the target circle is specified completely by the parameters, H , K , R , s_a and s_b .

Figure 3 illustrates the problem more specifically. During the month of September for Square 2017, all tropical cyclone movements are considered to originate from its center, i.e., from the point located at 22.5N and 82.5W. The target area is located at the center of Square 2517. The probabilities that any tropical cyclone now at 22.5N latitude and 82.5W longitude will, by the end of 48 hours, be within circles with radii of one, two, and three degrees latitude centered at 27.5N latitude and 82.5W longitude are, respectively, 0.029, 0.149, and 0.377. That is, there are about three chances in eight that the tropical cyclone will be found somewhere within the largest circle shown. A situation such as described here would be of special concern to residences and businesses in the Tampa - St. Petersburg areas.

Selected Location Strike Probabilities

Appendix I lists the probabilities by separate five-degree squares of storms (initially located at the center of these squares) moving to locations within target areas centered at Cape Kennedy, Florida; Mississippi Test Facility, Mississippi; Houston, Texas; and Wallops Island, Virginia. The probabilities are given to three decimal places. Those squares for which all the probability values are less than .001 for all three radii are not included. An asterisk indicates that the probability is less

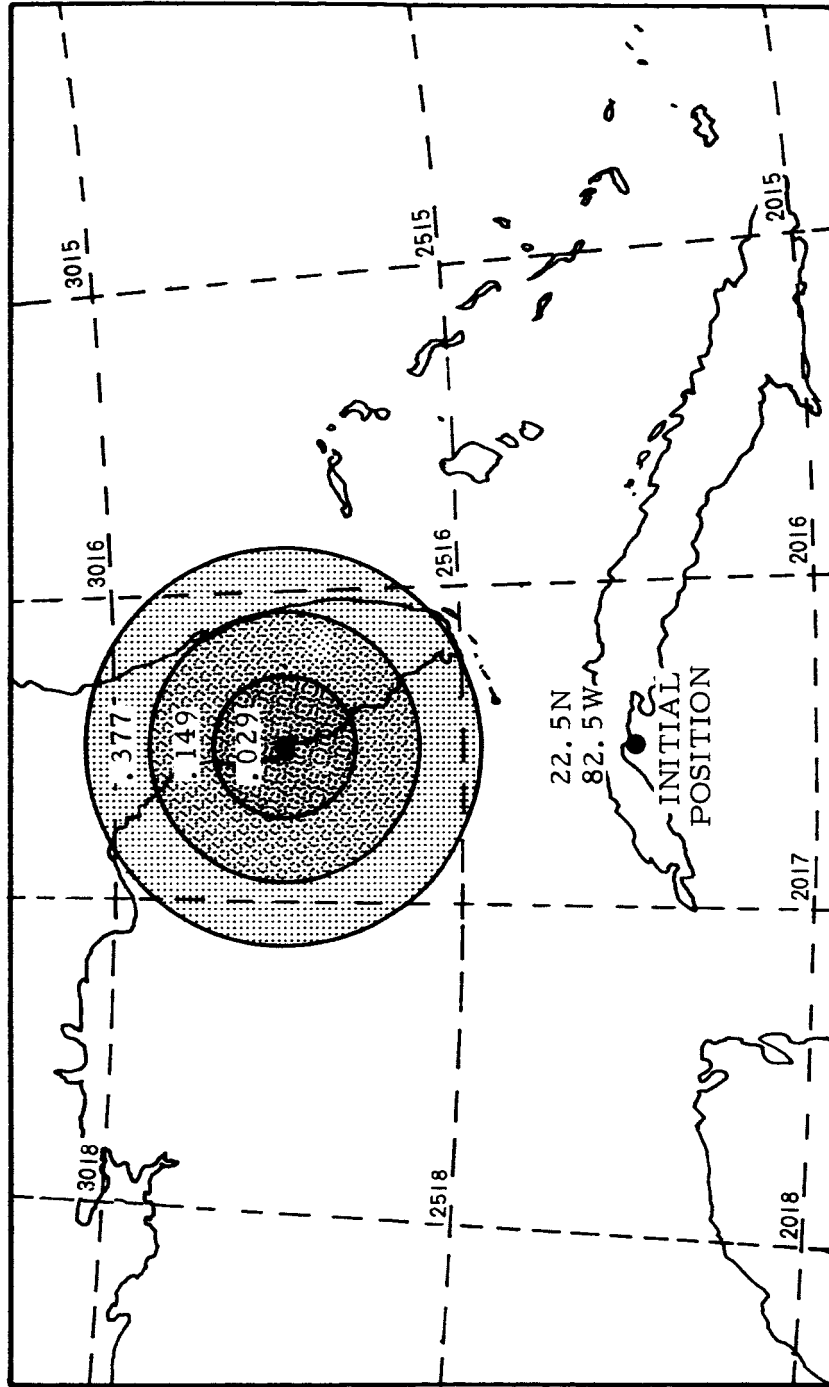


Figure 3: Probabilities of tropical cyclones (initially located at 22.5 N, 82.5 W) moving in 48 hours to a position within one, two and three degrees of latitude 27.5 N and 82.5 W, during the month of September.

than .001. Probabilities are not given for squares which have a data sample less than ten. Values are given for five seasons (June-July, August, September, October, November-May) and six time intervals (12, 24, 36, 48, 72, and 96 hours).

Figure 4 illustrates the tabulation of strike probabilities in Appendix I for a specific location. Here, the target location is the Mississippi Test Facility (MTF) near Bay St. Louis, Mississippi. The time period is 72 hours.

For example, look at Square 2017 for August. The center of the square is located at 22.5 degrees north latitude and 82.5 degrees west longitude, about 1100 kilometers southeast of the target area. The strike probabilities are 0.039, 0.145, and 0.297, respectively, for circular areas centered on the MTF with radii of one, two, and three degrees of latitude. These may be interpreted, respectively, as four chances in 100, fifteen chances in 100, and three in 10 that at the end of 72 hours a storm at the center of Square 2017 will be within the specified range of the target.

General Strike Probabilities

Obviously, the actual position of a tropical cyclone may be anywhere in the five-degree latitude-longitude squares. If the present position of a cyclone is known, simply use the probabilities for that square displaced by an equal amount from the center of the target square. Linear interpolation may be employed to provide approximate answers for needed target locations.

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= MISSISSIPPI TEST FACILITY LAT= 30.37N LON= 89.65W
 INTERVAL = 72 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 1514 | * .001 .004 | 1514 | * .001 | 1516 | .001 .004 .013 | 1515 | * .001 | 1517 | .001 .005 .012 |
| 1516 | .003 .013 .034 | 1515 | .003 .011 .029 | 1517 | .003 .012 .034 | 1516 | * ● .001 | 2016 | * * .001 |
| 1517 | .007 .034 .099 | 1516 | .002 .009 .026 | 1518 | .014 .052 .109 | 1517 | * .001 .003 | 2516 | .001 .005 .012 |
| 1518 | .001 .005 .013 | 1517 | .002 .009 .026 | 2014 | ● * .002 | 1518 | .003 .015 .043 | | |
| 2015 | * ● .001 | 2014 | * * .001 | 2015 | * .001 .002 | 1519 | .005 .023 .058 | | |
| 2016 | * .001 .010 | 2015 | * .001 .004 | 2016 | .005 .022 .057 | 2014 | ● .001 .002 | | |
| 2017 | .014 .055 .120 | 2016 | .010 .045 .115 | 2017 | .015 .059 .126 | 2015 | .001 .002 .005 | | |
| 2018 | .019 .074 .158 | 2017 | .039 .145 .297 | 2018 | .020 .077 .163 | 2017 | .003 .012 .028 | | |
| 2019 | .027 .102 .213 | 2018 | .017 .065 .141 | 2019 | .023 .088 .186 | 2018 | .010 .038 .084 | | |
| 2515 | .004 .016 .034 | 2514 | * * .001 | 2514 | * .001 .002 | 2019 | .019 .075 .160 | | |
| 2516 | .012 .046 .100 | 2515 | .001 .003 .007 | 2515 | ● .002 .004 | 2515 | * * .001 | | |
| 2517 | .017 .062 .125 | 2516 | .005 .020 .044 | 2516 | .004 .017 .038 | 2516 | .001 .005 .011 | | |
| 2518 | .015 .059 .127 | 2517 | .021 .079 .160 | 2517 | .007 .029 .063 | 2517 | * * .001 | | |
| 2519 | .002 .010 .032 | 2518 | .018 .071 .159 | 2518 | .011 .043 .094 | 2518 | .009 .035 .075 | | |
| 2520 | .002 .010 .029 | 2519 | .001 .007 .034 | 2519 | .014 .054 .117 | 2519 | .015 .056 .119 | | |
| 3015 | * * .002 | 3014 | .001 .003 .006 | 3017 | * * .001 | 3013 | * .002 .004 | | |
| | | 3015 | .001 .002 .006 | | | 3015 | * .001 .002 | | |
| | | 3016 | .001 .005 .010 | | | 3016 | * * .001 | | |

Figure 4 Example of the format used in the presentation of the probabilities for the selected stations.

In order to permit orderly interpolation of data, the strike probabilities are arranged for a given origin square against all squares including the origin square. This last is necessary because the tropical cyclone may not move outside a target area centered at the origin square by the end of the specified time period. Appendix II contains the probabilities by separate five-degree squares of storms (initially located at the center of a given square) moving to a position such that the center of the storm will be within target areas located at the centers of the initial and surrounding squares. Here, only values for September with time intervals of 24 and 48 hours are given. Origin squares with data samples less than ten are not included. The square containing the initial storm position (and the actual coordinates of the initial position) are indicated in the heading of each page. The probability values for the three target areas are printed at the respective location of the squares. The origin square is enclosed to make it easier to compare the listed probabilities.

Figure 5 illustrates the presentation of tropical cyclone strike probabilities for the squares. The target areas are circles with radii of one, two, and three degrees of latitude. The period is 48 hours. Here, a tropical cyclone whose position now is at 22.5 degrees north latitude and 47.5 degrees west longitude threatens all squares shown. The vertical scale shows the square centers in terms of latitude, while the horizontal scale shows the centers in terms of longitude. An asterisk indicates that the probabilities are less than .001. Here, it is seen that there are about five chances in one thousand that the tropical

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

| LATITUDE | SDEG ID = 2010 INITIAL POSITION = 22.5 N 047.5 W NUMBER OF OBS = 14 | | | | | | | | | | | | | | | | | | | | |
|----------|---|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

Figure 5 Example of the format used in the presentation of the probabilities for the five degree latitude longitude "squares".

cyclone will still be within three degrees of latitude of its present position at the end of 48 hours. However, the probability is much higher two squares north and one square west. There the target probability is about eighteen chances in one hundred or thirty-five times as great. The chances are about eight in one hundred or one in twelve that the tropical cyclone will be within two degrees latitude of the center of the square at 32.5 degrees north and 52.5 degrees west.

Acknowledgments

The probabilities presented in this paper were computed using a computer program developed by Dr. S. Kaufman and Mr. C. Groenewoud of Cornell Aeronautical Laboratory, Inc. This program uses a variable increment numerical integration method to compute probabilities enclosed by offset circles under the bivariate normal distribution.

Acknowledgment is made to Mr. Ray Hoxit for coordinating much of this work and to Messrs. Glenn O'Kelley and Frank Quinlan for providing programming assistance. Appreciation is expressed to Mr. Robert Ford for drafting the figures and to Mrs. Margaret Larabee for preparing the typescript.

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APPENDIX I

Probabilities for the Four Selected Locations (Five Seasons and Six Time Intervals).

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= CAPE KENNEDY, FLORIDA LAT=28.48N LON= 80.55W
 INTERVAL = 12 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|------------------------|--------|------------------------|
| 2516 | .059 .305 .633 | 2516 | .065 .382 .804 | 2516 | .072 .300 .607 | 2016 | ● ● .001 | 2017 | ● ● .008 .096 |
| 2517 | .194 .546 .809 | 2517 | .027 .223 .639 | 2517 | .123 .430 .720 | 2017 | * * .014 | 2516 | .001 .033 .268 |
| 3016 | .001 .006 .031 | 3015 | * * .001 | 3016 | * * .005 | 2515 | ● ● .001 .004 | | |
| | | | | 3017 | * * .002 | 2516 | .035 .141 .320 | | |
| | | | | | | 2517 | .201 .593 .866 | | |
| | | | | | | 2518 | .001 .010 .047 | | |
| | | | | | | 3016 | .004 .020 .065 | | |
| | | | | | | 3017 | * ● .001 .014 | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= CAPE KENNEDY, FLORIDA LAT=28.48N LON= 80.55W
 INTERVAL = 24 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|------------------------|
| 2015 | ● * .004 | 2015 | * * .004 | 2015 | * * .002 | 2015 | .001 .005 .027 | 1517 | * ● .001 .003 |
| 2017 | .011 .056 .166 | 2016 | .001 .027 .241 | 2016 | * .002 .032 | 2016 | .005 .028 .092 | 2015 | .001 .006 .017 |
| 2515 | .001 .005 .026 | 2017 | .001 .010 .048 | 2017 | .004 .029 .107 | 2017 | .018 .100 .278 | 2016 | * ● .001 .010 |
| 2516 | .083 .284 .509 | 2514 | * * .001 | 2018 | * * .001 | 2018 | .001 .003 .012 | 2514 | * * ● .001 |
| 2517 | .041 .190 .431 | 2515 | .002 .015 .055 | 2515 | .001 .008 .026 | 2019 | * * .001 | 2515 | ● ● .002 .009 |
| 2518 | .002 .015 .062 | 2516 | .092 .338 .625 | 2516 | .057 .204 .390 | 2515 | .004 .018 .044 | 2516 | .021 .092 .217 |
| 3016 | .003 .015 .041 | 2517 | .013 .091 .292 | 2517 | .027 .127 .314 | 2516 | .022 .083 .178 | | |
| 3017 | * .001 .005 | 3015 | .003 .012 .026 | 2518 | .007 .033 .089 | 2517 | .045 .174 .358 | | |
| | | 3016 | .001 .005 .018 | 3015 | * .001 .003 | 2518 | .008 .035 .092 | | |
| | | | | 3016 | .001 .004 .012 | 2519 | * * .001 | | |
| | | | | 3017 | * * .003 | 3014 | ● ● .001 | | |
| | | | | | | 3015 | .002 .009 .025 | | |
| | | | | | | 3016 | .009 .035 .079 | | |
| | | | | | | 3017 | .003 .018 .061 | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= CAPE KENNEDY, FLORIDA LAT=28.48N LON= 80.55W
 INTERVAL = 36 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 1514 | * * .001 | 2014 | * .001 .003 | 1516 | * * .001 | 1517 | * * .001 | 1517 | .004 .017 .040 |
| 1517 | * .001 .003 | 2015 | .004 .026 .096 | 1517 | * * .002 | 1518 | * * .001 | 2015 | .003 .014 .036 |
| 2015 | .003 .029 .126 | 2016 | .077 .335 .667 | 2014 | * * .002 | 2014 | * * .001 | 2016 | .002 .013 .042 |
| 2016 | .003 .037 .188 | 2017 | .011 .046 .114 | 2015 | .002 .017 .069 | 2015 | .015 .058 .122 | 2514 | * .002 .005 |
| 2017 | .034 .131 .275 | 2514 | .002 .008 .021 | 2016 | .012 .073 .220 | 2016 | .016 .068 .157 | 2515 | * .001 .003 |
| 2018 | * .002 .007 | 2515 | .011 .045 .105 | 2017 | .033 .120 .242 | 2017 | .042 .160 .327 | 2516 | .020 .077 .163 |
| 2515 | .006 .025 .062 | 2516 | .040 .159 .343 | 2018 | .001 .003 .011 | 2018 | .009 .037 .084 | | |
| 2516 | .071 .253 .479 | 2517 | .002 .014 .070 | 2019 | * .001 .004 | 2019 | * .001 .006 | | |
| 2517 | .008 .048 .156 | 3014 | * .001 .002 | 2514 | .001 .004 .011 | 2514 | * * .002 | | |
| 2518 | .002 .012 .047 | 3015 | .004 .017 .036 | 2515 | .005 .022 .053 | 2515 | .003 .014 .033 | | |
| 3016 | .003 .011 .026 | 3016 | .001 .004 .014 | 2516 | .028 .104 .214 | 2516 | .012 .046 .101 | | |
| 3017 | .001 .006 .018 | 3017 | * .001 .003 | 2517 | .010 .045 .118 | 2517 | .017 .069 .153 | | |
| | | | | 2518 | .008 .032 .079 | 2518 | .010 .041 .095 | | |
| | | | | 2519 | * .001 .003 | 2519 | .001 .005 .015 | | |
| | | | | 3014 | * .001 .003 | 3013 | * .001 .002 | | |
| | | | | 3015 | * .001 .004 | 3014 | .001 .002 .005 | | |
| | | | | 3016 | .001 .004 .010 | 3015 | .005 .021 .047 | | |
| | | | | 3017 | * .001 .003 | 3016 | .009 .034 .074 | | |
| | | | | 3018 | * * .001 | 3017 | .009 .038 .086 | | |
| | | | | 3514 | * * .002 | | | | |
| | | | | 3515 | * * .001 | | | | |
| | | | | 3516 | * .001 .003 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= CAPE KENNEDY, FLORIDA LAT=28.48N LON= 80.55W
 INTERVAL = 48 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 1514 | .002 .010 .026 | 1514 | * .001 .004 | 1516 | .001 .004 .014 | 1515 | * .001 .003 | 1517 | .009 .035 .078 |
| 1516 | * * .002 | 1515 | * * .002 | 1517 | .002 .009 .025 | 1516 | * .001 .005 | 2015 | .004 .018 .043 |
| 1517 | .004 .016 .043 | 1516 | * * .001 | 1518 | * .001 .003 | 1517 | .001 .005 .018 | 2016 | .005 .024 .061 |
| 2015 | .022 .103 .259 | 2014 | .002 .008 .024 | 2013 | * .001 .003 | 1518 | .003 .014 .033 | 2514 | .001 .004 .010 |
| 2016 | .045 .206 .457 | 2015 | .023 .099 .240 | 2014 | .002 .008 .024 | 2014 | .001 .004 .011 | 2516 | .018 .071 .149 |
| 2017 | .034 .129 .264 | 2016 | .143 .446 .715 | 2015 | .015 .067 .164 | 2015 | .010 .039 .084 | | |
| 2018 | .003 .014 .034 | 2017 | .011 .044 .101 | 2016 | .042 .160 .324 | 2016 | .016 .063 .141 | | |
| 2019 | * * .002 | 2513 | * .001 .002 | 2017 | .031 .114 .230 | 2017 | .033 .124 .251 | | |
| 2515 | .006 .026 .064 | 2514 | .004 .016 .036 | 2018 | .002 .007 .020 | 2018 | .013 .052 .116 | | |
| 2516 | .045 .170 .344 | 2515 | .013 .051 .106 | 2019 | .002 .008 .020 | 2019 | * .002 .006 | | |
| 2517 | .002 .014 .057 | 2516 | .017 .072 .171 | 2512 | * * .001 | 2513 | * * .001 | | |
| 2518 | * .002 .014 | 2517 | .001 .005 .024 | 2513 | * * .001 | 2514 | * .001 .003 | | |
| 3015 | * * .002 | 3014 | .001 .002 .005 | 2514 | .003 .014 .031 | 2515 | .001 .005 .013 | | |
| 3016 | .001 .005 .011 | 3015 | .003 .010 .023 | 2515 | .007 .026 .057 | 2516 | .008 .033 .072 | | |
| 3017 | .003 .012 .027 | 3016 | .001 .004 .012 | 2516 | .015 .060 .128 | 2517 | .008 .034 .077 | | |
| | | 3017 | .001 .005 .015 | 2517 | .005 .023 .058 | 2518 | .009 .036 .083 | | |
| | | | | 2518 | .005 .021 .051 | 2519 | .004 .017 .046 | | |
| | | | | 2519 | * .002 .007 | 3013 | .001 .004 .009 | | |
| | | | | 3014 | .001 .003 .007 | 3014 | .001 .005 .012 | | |
| | | | | 3015 | * .001 .003 | 3015 | .006 .023 .050 | | |
| | | | | 3016 | * * .001 | 3016 | .007 .027 .059 | | |
| | | | | 3017 | * .001 .002 | 3017 | .004 .016 .038 | | |
| | | | | 3018 | * .001 .002 | | | | |
| | | | | 3513 | * * .001 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= CAPE KENNEDY, FLORIDA LAT=28.48N LON= 80.55W
 INTERVAL = 48 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|-----------|--------|--------|--------|-----------|--------|---------|--------|--------------|
| | | | | 3514 | * | | | | |
| | | | | | .002 | | | | |
| | | | | | .004 | | | | |
| | | | | 3515 | * | | | | |
| | | | | | * | | | | |
| | | | | | .001 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= CAPE KENNEDY, FLORIDA LAT=28.48N LON= 80.55W
 INTERVAL = 72 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 1017 | .001 .003 .008 | 1512 | .001 .003 .008 | 1016 | * .001 .004 | 1513 | * .001 .003 | 1017 | * .001 .004 |
| 1513 | .007 .028 .070 | 1513 | .004 .015 .035 | 1513 | * * .002 | 1514 | .003 .011 .028 | 1516 | * * .001 |
| 1514 | .011 .042 .095 | 1514 | .006 .025 .065 | 1514 | .001 .007 .020 | 1515 | .006 .023 .052 | 1517 | .011 .043 .094 |
| 1516 | .009 .035 .078 | 1515 | .002 .011 .030 | 1515 | .001 .004 .013 | 1516 | .006 .024 .057 | 2016 | .006 .024 .055 |
| 1517 | .015 .057 .120 | 1516 | .001 .005 .014 | 1516 | .011 .042 .090 | 1517 | .016 .063 .140 | 2516 | .010 .039 .083 |
| 1518 | * * .001 | 1517 | * * .001 | 1517 | .015 .058 .120 | 1518 | .015 .059 .126 | | |
| 2015 | .041 .145 .276 | 2013 | .001 .003 .008 | 1518 | * .001 .002 | 2013 | .002 .009 .021 | | |
| 2016 | .069 .242 .427 | 2014 | .009 .035 .079 | 2012 | * .001 .002 | 2014 | .002 .009 .020 | | |
| 2017 | .020 .079 .164 | 2015 | .046 .171 .340 | 2013 | .003 .014 .031 | 2015 | .002 .009 .021 | | |
| 2018 | .008 .032 .070 | 2016 | .031 .128 .292 | 2014 | .008 .032 .072 | 2016 | .009 .037 .085 | | |
| 2019 | .001 .005 .015 | 2017 | .003 .014 .036 | 2015 | .019 .073 .154 | 2017 | .015 .058 .123 | | |
| 2515 | .001 .005 .017 | 2018 | * * .001 | 2016 | .026 .098 .204 | 2018 | .009 .038 .084 | | |
| 2516 | .015 .060 .136 | 2513 | .003 .010 .023 | 2017 | .010 .041 .093 | 2019 | .002 .011 .026 | | |
| 2517 | * .003 .012 | 2514 | .004 .016 .036 | 2018 | .003 .013 .032 | 2513 | * .001 .002 | | |
| 2518 | * .001 .005 | 2515 | .007 .027 .060 | 2019 | .003 .012 .028 | 2514 | * * .001 | | |
| 3015 | .001 .003 .007 | 2516 | .003 .015 .040 | 2511 | * * .001 | 2515 | .001 .005 .011 | | |
| | | 2517 | * .002 .009 | 2512 | * * .001 | 2516 | .006 .024 .053 | | |
| | | 2518 | * .001 .003 | 2513 | * .001 .004 | 2517 | .002 .007 .017 | | |
| | | 3014 | * .001 .003 | 2514 | .004 .016 .035 | 2518 | .005 .022 .049 | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= CAPE KENNEDY, FLORIDA LAT=28.48N LON= 80.55W
 INTERVAL = 72 HOURS

| SQUARE | JUNE-JULY | SQUARE 3015 | AUGUST | SQUARE 2519 | SEPTEMBER | SQUARE 2519 | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|-----------|----------------|----------------------|----------------|----------------------|----------------|----------------------|--------|--------------|
| | | | .001 .004 .010 | | .005 .021 .045 | | .002 .009 .028 | | |
| | | 3016 | .001 .005 .012 | 2516 | .007 .029 .065 | 3013 | .002 .008 .018 | | |
| | | | | 2517 | .002 .007 .018 | 3014 | * .001 .002 | | |
| | | | | 2518 | .003 .013 .031 | 3015 | .005 .018 .040 | | |
| | | | | 2519 | .001 .006 .014 | 3016 | .002 .008 .019 | | |
| | | | | 3013 | * * .001 | | | | |
| | | | | 3014 | * .002 .004 | | | | |
| | | | | 3015 | * * .002 | | | | |
| | | | | 3017 | * .001 .002 | | | | |
| | | | | 3513 | * .001 .002 | | | | |
| | | | | 3514 | .001 .005 .011 | | | | |
| | | | | 3515 | * * .001 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= CAPE KENNEDY, FLORIDA LAT=28.48N LON= 80.55W
 INTERVAL = 96 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 1013 | .001 .003 .008 | 1010 | * * .001 | 1010 | * * .001 | 1013 | * * .001 | 1016 | * * .001 |
| 1017 | .005 .021 .049 | 1011 | .001 .006 .015 | 1015 | * * .001 | 1016 | .001 .005 .013 | 1017 | .001 .004 .010 |
| 1513 | .016 .062 .135 | 1012 | * * .001 | 1016 | .005 .021 .047 | 1017 | .001 .004 .015 | 1516 | * .003 .009 |
| 1514 | .016 .062 .133 | 1013 | * .002 .006 | 1511 | * .001 .003 | 1513 | .001 .004 .009 | 1517 | .009 .036 .078 |
| 1517 | .007 .031 .073 | 1014 | * .002 .005 | 1512 | .001 .005 .014 | 1515 | .007 .027 .059 | 2016 | .007 .028 .062 |
| 1518 | .001 .004 .010 | 1510 | * * .002 | 1513 | .005 .019 .047 | 1516 | .010 .040 .089 | | |
| 2015 | .013 .054 .121 | 1511 | * .002 .006 | 1514 | .007 .030 .069 | 1517 | .019 .073 .154 | | |
| 2017 | .010 .040 .089 | 1512 | .004 .017 .039 | 1515 | .006 .025 .059 | 1518 | .012 .048 .105 | | |
| 2018 | .006 .025 .062 | 1513 | .012 .050 .113 | 1516 | .013 .051 .109 | 1519 | * .001 .005 | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= CAPE KENNEDY, FLORIDA LAT=28.48N LON= 80.55W
 INTERVAL = 96 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|--------------|
| 2019 | .002 .007 .020 | 1514 | .015 .060 .130 | 1517 | .011 .045 .098 | 2013 | .002 .006 .014 | | |
| 2515 | .001 .003 .009 | 1515 | .005 .021 .049 | 2011 | * * .002 | 2014 | .001 .002 .006 | | |
| 2516 | .006 .025 .058 | 1516 | .002 .009 .022 | 2012 | .002 .010 .023 | 2015 | .002 .006 .014 | | |
| 2517 | * .003 .009 | 2013 | .003 .012 .028 | 2013 | .005 .018 .040 | 2016 | .008 .030 .066 | | |
| | | 2014 | .012 .047 .100 | 2014 | .008 .032 .068 | 2017 | .007 .028 .061 | | |
| | | 2015 | .020 .076 .161 | 2015 | .011 .044 .094 | 2018 | .005 .021 .046 | | |
| | | 2016 | .005 .025 .073 | 2016 | .006 .025 .058 | 2019 | .003 .013 .034 | | |
| | | 2017 | .001 .004 .012 | 2017 | .005 .021 .047 | 2514 | * .001 .003 | | |
| | | 2513 | .002 .007 .016 | 2018 | .001 .004 .011 | 2515 | .001 .005 .012 | | |
| | | 2514 | .004 .015 .032 | 2019 | .012 .045 .097 | 2516 | .004 .018 .038 | | |
| | | 2515 | .003 .011 .027 | 2511 | * * .001 | 2517 | .001 .005 .012 | | |
| | | 2516 | .002 .007 .018 | 2512 | * .001 .002 | 3015 | .004 .017 .036 | | |
| | | 2517 | * .002 .005 | 2513 | .001 .003 .007 | 3016 | .001 .005 .011 | | |
| | | 2518 | * .001 .005 | 2514 | .003 .010 .022 | | | | |
| | | 3016 | .002 .008 .018 | 2515 | .003 .013 .029 | | | | |
| | | | | 2516 | .004 .018 .040 | | | | |
| | | | | 2517 | * * .001 | | | | |
| | | | | 2518 | .002 .010 .023 | | | | |
| | | | | 2519 | .001 .004 .010 | | | | |
| | | | | 3013 | .001 .003 .007 | | | | |
| | | | | 3014 | * * .002 | | | | |
| | | | | 3513 | .001 .003 .006 | | | | |
| | | | | 3514 | .002 .009 .021 | | | | |
| | | | | 3515 | * .001 .003 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= MISSISSIPPI TEST FACILITY LAT= 30.37N LON= 89.65W
 INTERVAL = 12 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|--------------|
| 2518 | .010 .166 .607 | 2518 | .027 .333 .937 | 2517 | * * .005 | 2518 | .024 .139 .387 | | |
| 2519 | .003 .040 .202 | 2519 | * * .011 | 2518 | .041 .242 .593 | 2519 | .039 .177 .421 | | |
| 3017 | * * .003 | | | 2519 | .021 .130 .383 | 3017 | * .002 .008 | | |
| | | | | 3017 | * .001 .005 | | | | |
| | | | | 3018 | .001 .022 .177 | | | | |
| | | | | 3019 | * .001 .014 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= MISSISSIPPI TEST FACILITY LAT= 30.37N LON= 89.65W
 INTERVAL = 24 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|--------------|
| 2017 | * * .001 | 2017 | * * .003 | 2018 | .002 .012 .052 | 2018 | * * .004 | | |
| 2018 | .001 .007 .032 | 2018 | * .001 .008 | 2019 | * .002 .013 | 2019 | .005 .028 .085 | | |
| 2019 | * * .002 | 2517 | .002 .023 .106 | 2516 | * * .001 | 2516 | * * .002 | | |
| 2517 | .004 .023 .075 | 2518 | .167 .514 .794 | 2517 | .008 .042 .114 | 2517 | .002 .009 .026 | | |
| 2518 | .070 .257 .485 | 2519 | * .002 .024 | 2518 | .067 .238 .448 | 2518 | .031 .121 .256 | | |
| 2519 | .019 .089 .225 | 3017 | .001 .004 .013 | 2519 | .057 .209 .406 | 2519 | .068 .242 .455 | | |
| 3017 | .001 .006 .017 | | | 2520 | * .001 .007 | 3017 | .001 .006 .018 | | |
| | | | | 3016 | * * .001 | | | | |
| | | | | 3017 | .003 .013 .032 | | | | |
| | | | | 3018 | .004 .026 .090 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= MISSISSIPPI TEST FACILITY LAT= 30.37N LON= 89.65W
 INTERVAL = 36 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------|
| 2017 | .002 .009 .030 | 2017 | .006 .031 .090 | 2017 | * .002 .013 | 2015 | * * .001 | 1517 | * * .002 |
| 2018 | .010 .045 .116 | 2018 | .002 .019 .040 | 2018 | .019 .079 .176 | 2017 | * * .001 | | |
| 2019 | .004 .020 .056 | 2516 | * .001 .004 | 2019 | .008 .038 .097 | 2018 | .001 .008 .036 | | |
| 2516 | * .001 .005 | 2517 | .023 .106 .265 | 2516 | .001 .003 .010 | 2019 | .031 .117 .234 | | |
| 2517 | .015 .061 .138 | 2518 | .096 .328 .581 | 2517 | .019 .072 .153 | 2515 | * * .001 | | |
| 2518 | .059 .202 .365 | 2519 | * .005 .033 | 2518 | .038 .141 .286 | 2516 | .001 .003 .007 | | |
| 2519 | .013 .062 .157 | 3015 | * * .001 | 2519 | .034 .131 .272 | 2517 | .003 .012 .029 | | |
| 3016 | * * .001 | 3016 | * .001 .003 | 2520 | * .004 .020 | 2518 | .022 .086 .163 | | |
| 3017 | .002 .009 .022 | 3017 | .003 .011 .025 | 3017 | .004 .017 .039 | 2519 | .043 .162 .326 | | |
| | | | | 3018 | .002 .011 .035 | 3016 | * .001 .003 | | |
| | | | | | | 3017 | .001 .003 .008 | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= MISSISSIPPI TEST FACILITY LAT= 30.37N LON= 89.65W
 INTERVAL = 48 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|------------------------|
| 1517 | * * .002 | 1517 | * * .001 | 1517 | * * .001 | 1518 | * * .002 | 1517 | * * .001 .004 |
| 1518 | * .001 .004 | 2016 | * * .001 | 1518 | .001 .005 .013 | 2015 | .001 .004 .009 | 2516 | * .002 .005 |
| 2017 | .007 .031 .079 | 2017 | .025 .099 .217 | 2015 | * * .002 | 2016 | * * .001 | | |
| 2018 | .018 .074 .165 | 2018 | .007 .030 .081 | 2017 | .006 .028 .081 | 2017 | * .002 .008 | | |
| 2019 | .017 .069 .151 | 2019 | * * .002 | 2018 | .026 .098 .205 | 2018 | .006 .028 .079 | | |
| 2515 | * * .001 | 2516 | .001 .007 .020 | 2019 | .020 .078 .167 | 2019 | .029 .109 .226 | | |
| 2516 | .002 .009 .026 | 2517 | .039 .144 .289 | 2515 | * * .001 | 2515 | * * .001 | | |
| 2517 | .024 .085 .166 | 2518 | .047 .180 .370 | 2516 | .002 .009 .022 | 2516 | .001 .004 .009 | | |
| 2518 | .039 .137 .256 | 2519 | * .004 .024 | 2517 | .015 .056 .119 | 2517 | .003 .012 .026 | | |
| 2519 | .008 .037 .096 | 3015 | * .002 .004 | 2518 | .020 .077 .164 | 2518 | .014 .054 .117 | | |
| 2520 | * * .001 | 3016 | .001 .003 .008 | 2519 | .027 .102 .216 | 2519 | .037 .139 .284 | | |
| 3016 | * * .001 | 3017 | .001 .006 .015 | 3015 | * * .001 | 3013 | * * .001 | | |
| 3017 | .002 .009 .021 | | | 3017 | .004 .016 .035 | 3016 | * .001 .004 | | |
| | | | | 3018 | * * .001 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= MISSISSIPPI TEST FACILITY LAT= 30.37N LON= 89.65W
 INTERVAL = 72 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 1514 | * .001 .004 | 1514 | * .001 | 1516 | .001 .004 .013 | 1515 | * .001 | 1517 | .001 .005 .012 |
| 1516 | .003 .013 .034 | 1515 | .003 .011 .029 | 1517 | .003 .012 .034 | 1516 | * .001 | 2016 | * .001 |
| 1517 | .007 .034 .099 | 1516 | .002 .009 .026 | 1518 | .014 .052 .109 | 1517 | * .001 .003 | 2516 | .001 .005 .012 |
| 1518 | .001 .005 .013 | 1517 | .002 .009 .026 | 2014 | * .002 | 1518 | .003 .015 .043 | | |
| 2015 | * .001 | 2014 | * .001 | 2015 | * .001 .002 | 1519 | .005 .023 .058 | | |
| 2016 | * .001 .010 | 2015 | * .001 .004 | 2016 | .005 .022 .057 | 2014 | * .001 .002 | | |
| 2017 | .014 .055 .120 | 2016 | .010 .045 .115 | 2017 | .015 .059 .128 | 2015 | .001 .002 .005 | | |
| 2018 | .019 .074 .158 | 2017 | .039 .145 .297 | 2018 | .020 .077 .163 | 2017 | .003 .012 .028 | | |
| 2019 | .027 .102 .213 | 2018 | .017 .065 .141 | 2019 | .023 .088 .186 | 2018 | .010 .038 .084 | | |
| 2515 | .004 .016 .034 | 2514 | * .001 | 2514 | * .001 .002 | 2019 | .019 .075 .160 | | |
| 2516 | .012 .046 .100 | 2515 | .001 .003 .007 | 2515 | * .002 .004 | 2515 | * .001 | | |
| 2517 | .017 .062 .125 | 2516 | .005 .020 .044 | 2516 | .004 .017 .038 | 2516 | .001 .005 .011 | | |
| 2518 | .015 .059 .127 | 2517 | .021 .079 .160 | 2517 | .007 .029 .063 | 2517 | * .001 | | |
| 2519 | .002 .010 .032 | 2518 | .018 .071 .159 | 2518 | .011 .043 .094 | 2518 | .009 .035 .075 | | |
| 2520 | .002 .010 .029 | 2519 | .001 .007 .034 | 2519 | .014 .054 .117 | 2519 | .015 .056 .119 | | |
| 3015 | * .002 | 3014 | .001 .003 .006 | 3017 | * .001 | 3013 | * .002 .004 | | |
| | | 3015 | .001 .002 .006 | | | 3015 | * .001 .002 | | |
| | | 3016 | .001 .005 .010 | | | 3016 | * .001 | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= MISSISSIPPI TEST FACILITY LAT= 30.37N LON= 89.65W
 INTERVAL = 96 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 1013 | * .001 | 1013 | * .002 .004 | 1016 | * .001 .003 | 1515 | .001 .006 .014 | 1517 | .001 .003 .008 |
| 1017 | .002 .011 .034 | 1014 | .001 .003 .008 | 1514 | * * .001 | 1516 | * .001 .003 | 2016 | * .001 .003 |
| 1513 | * .001 .003 | 1513 | * .001 .003 | 1515 | .001 .004 .012 | 1517 | .002 .008 .022 | | |
| 1514 | .002 .008 .019 | 1514 | .003 .011 .027 | 1516 | .005 .022 .053 | 1518 | .007 .030 .067 | | |
| 1517 | .024 .093 .193 | 1515 | .008 .034 .078 | 1517 | .012 .048 .106 | 1519 | .041 .152 .310 | | |
| 1518 | .005 .021 .049 | 1516 | .011 .043 .098 | 2013 | .001 .003 .007 | 2013 | * .001 .002 | | |
| 2015 | .002 .011 .030 | 1517 | .005 .021 .053 | 2014 | * .001 .002 | 2014 | * * .001 | | |
| 2017 | .013 .050 .106 | 2014 | * .002 .005 | 2015 | .001 .005 .013 | 2015 | * .001 .003 | | |
| 2018 | .023 .087 .183 | 2015 | .004 .016 .039 | 2016 | .010 .034 .083 | 2016 | * .001 .002 | | |
| 2019 | .023 .089 .185 | 2016 | .018 .069 .148 | 2017 | .008 .032 .069 | 2017 | .004 .015 .033 | | |
| 2515 | .006 .022 .047 | 2017 | .028 .107 .224 | 2018 | .015 .060 .130 | 2018 | .007 .027 .059 | | |
| 2516 | .008 .033 .071 | 2018 | .015 .073 .186 | 2019 | .028 .105 .217 | 2019 | .015 .057 .122 | | |
| 2517 | .012 .046 .095 | 2513 | .001 .003 .007 | 2514 | * .002 .004 | 2515 | * .001 .002 | | |
| | | 2514 | * .001 .003 | 2515 | .001 .004 .010 | 2516 | .001 .005 .011 | | |
| | | 2515 | .001 .006 .014 | 2516 | .004 .017 .037 | 2517 | * * .001 | | |
| | | 2516 | .004 .015 .033 | 2517 | .003 .014 .032 | 3015 | * * .002 | | |
| | | 2517 | .014 .053 .110 | 2518 | .006 .024 .052 | 3016 | * * .001 | | |
| | | 2518 | .007 .028 .066 | 2519 | .008 .036 .077 | | | | |
| | | 2519 | .006 .025 .063 | 3513 | * * .001 | | | | |
| | | 3016 | .001 .003 .007 | 3514 | * * .001 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET = HOUSTON, TEXAS LAT = 29.65N LON = 95.28W
 INTERVAL = 12 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|--------------|
| 2519 | .040 .421 .891 | 2519 | .102 .469 .830 | 2519 | .020 .206 .618 | 2518 | * * .002 | | |
| 2520 | .014 .137 .478 | 2520 | .001 .032 .299 | 2520 | .011 .122 .460 | 2519 | .016 .133 .443 | | |
| | | | | 3019 | .003 .021 .083 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET = HOUSTON, TEXAS LAT = 29.65N LON = 95.28W
 INTERVAL = 24 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|--------------------------------|--------|--------------|
| 2018 | * .001 .006 | 2020 | * * .003 | 2018 | * * .001 | 2019 | * * .002 .009 .027 | | |
| 2019 | .001 .007 .039 | 2518 | .001 .009 .055 | 2019 | * .002 .017 | 2518 | .002 .009 .027 | | |
| 2020 | * * .004 | 2519 | .196 .556 .809 | 2517 | * * .001 | 2519 | .029 .122 .281 | | |
| 2517 | * * .001 | 2520 | .013 .101 .340 | 2516 | .005 .023 .060 | | | | |
| 2518 | .002 .017 .059 | | | 2519 | .064 .237 .461 | | | | |
| 2519 | .117 .380 .635 | | | 2520 | .056 .220 .453 | | | | |
| 2520 | .032 .181 .473 | | | 3017 | * * .001 | | | | |
| | | | | 3018 | .001 .004 .014 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET = HOUSTON, TEXAS LAT = 29.65N LON = 95.28W
 INTERVAL = 36 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|--------------|
| 2018 | .006 .026 .072 | 2017 | * .003 .010 | 2018 | .002 .009 .034 | 2019 | .010 .045 .121 | | |
| 2019 | .019 .082 .196 | 2018 | .005 .026 .083 | 2019 | .005 .028 .090 | 2517 | * * .001 | | |
| 2020 | .005 .031 .109 | 2019 | .002 .013 .048 | 2517 | .001 .006 .016 | 2518 | .004 .018 .043 | | |
| 2517 | * .002 .009 | 2517 | * * .001 | 2518 | .009 .038 .085 | 2519 | .020 .080 .175 | | |
| 2518 | .015 .060 .134 | 2518 | .014 .070 .188 | 2519 | .037 .138 .282 | | | | |
| 2519 | .048 .174 .331 | 2519 | .132 .421 .680 | 2520 | .045 .167 .335 | | | | |
| 2520 | .016 .142 .450 | 2520 | .015 .125 .379 | 3017 | .001 .004 .009 | | | | |
| 3017 | * .001 .003 | | | 3018 | .001 .004 .011 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET = HOUSTON, TEXAS LAT = 29.65N LON = 95.28W
 INTERVAL = 48 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|--------------|
| 1518 | * .002 .007 | 2017 | .005 .023 .058 | 1518 | * .002 .007 | 1519 | * * .002 | | |
| 2017 | * .002 .005 | 2018 | .020 .083 .194 | 2017 | * .001 .006 | 2015 | * * .001 | | |
| 2018 | .014 .056 .128 | 2019 | .013 .053 .125 | 2018 | .010 .041 .099 | 2018 | * .001 .006 | | |
| 2019 | .031 .120 .254 | 2517 | .001 .004 .016 | 2019 | .016 .066 .152 | 2019 | .021 .083 .181 | | |
| 2020 | .024 .165 .360 | 2518 | .031 .122 .258 | 2516 | * * .001 | 2516 | * * .001 | | |
| 2517 | .002 .010 .027 | 2519 | .093 .314 .553 | 2517 | .003 .012 .028 | 2517 | * .001 .003 | | |
| 2518 | .023 .083 .162 | 2520 | .020 .106 .281 | 2518 | .009 .036 .079 | 2518 | .003 .012 .030 | | |
| 2519 | .022 .086 .181 | | | 2519 | .024 .093 .196 | 2519 | .010 .041 .093 | | |
| 2520 | .024 .107 .260 | | | 3017 | .002 .008 .017 | | | | |
| 3017 | .001 .002 .006 | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET = HOUSTON, TEXAS LAT = 29.65N LON = 95.28W
 INTERVAL = 72 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------|
| 1516 | .001 .004 .013 | 1515 | .001 .004 .011 | 1516 | * * .002 | 1518 | * * .002 | 1517 | * * .002 |
| 1517 | * .002 .012 | 1516 | .001 .003 .009 | 1517 | * .001 .005 | 1519 | .009 .038 .094 | 2516 | * * .001 |
| 1518 | .003 .013 .033 | 1517 | .003 .013 .038 | 1518 | .010 .041 .094 | 2015 | * * .001 | | |
| 2017 | .003 .012 .029 | 2016 | * * .002 | 2016 | * .001 .005 | 2017 | * .001 .004 | | |
| 2018 | .012 .047 .105 | 2017 | .017 .066 .147 | 2017 | .005 .019 .044 | 2018 | .002 .011 .027 | | |
| 2019 | .018 .069 .151 | 2018 | .035 .131 .268 | 2018 | .015 .058 .125 | 2019 | .012 .047 .104 | | |
| 2515 | * .002 .004 | 2516 | * .001 .004 | 2019 | .017 .066 .144 | 2516 | * * .002 | | |
| 2516 | .002 .009 .021 | 2517 | .004 .018 .045 | 2516 | .001 .004 .010 | 2518 | .004 .016 .037 | | |
| 2517 | .006 .023 .050 | 2518 | .022 .084 .172 | 2517 | .004 .017 .037 | 2519 | .001 .004 .014 | | |
| 2518 | .017 .063 .124 | 2519 | .070 .244 .443 | 2518 | .007 .026 .058 | 3013 | * * .001 | | |
| 2519 | .004 .017 .043 | 3014 | * .001 .002 | 2519 | .011 .044 .096 | | | | |
| 2520 | .007 .033 .086 | 3015 | * * .001 | | | | | | |
| | | 3016 | * * .001 | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET = HOUSTON, TEXAS LAT = 29.65N LON = 95.28W
 INTERVAL = 96 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|------------------------|--------|------------------------|--------|----------------|
| 1013 | * * .001 | 1013 | * * .002 | 1515 | * * .001 .003 | 1515 | * * .001 .003 | 1517 | * * .001 |
| 1017 | * .001 .003 | 1014 | .001 .004 .009 | 1516 | * .002 .008 | 1517 | * .001 .002 | | |
| 1514 | * .001 .003 | 1514 | * .002 .006 | 1517 | .005 .021 .048 | 1518 | .002 .010 .024 | | |
| 1517 | .010 .040 .094 | 1515 | .005 .021 .050 | 2013 | * * .001 | 1519 | .017 .072 .168 | | |
| 1518 | .006 .026 .061 | 1516 | .004 .019 .049 | 2015 | * * .001 | 2017 | .001 .004 .009 | | |
| 2015 | * * .001 | 1517 | .027 .101 .207 | 2016 | .003 .013 .031 | 2018 | .004 .016 .036 | | |
| 2017 | .006 .023 .050 | 2015 | * .001 .002 | 2017 | .004 .016 .037 | 2019 | .005 .018 .043 | | |
| 2018 | .007 .030 .070 | 2016 | .002 .007 .017 | 2018 | .014 .054 .117 | 2516 | * .001 .002 | | |
| 2019 | .014 .056 .120 | 2017 | .019 .075 .160 | 2019 | .019 .074 .155 | | | | |
| 2515 | .002 .008 .019 | 2018 | .055 .187 .340 | 2515 | * * .001 | | | | |
| 2516 | .003 .010 .023 | 2513 | * * .002 | 2516 | .001 .006 .014 | | | | |
| 2517 | .007 .026 .056 | 2515 | * * .001 | 2517 | .005 .018 .039 | | | | |
| | | 2516 | .001 .005 .012 | 2518 | .004 .016 .036 | | | | |
| | | 2517 | .000 .024 .054 | 2519 | .005 .020 .044 | | | | |
| | | 2518 | .009 .034 .076 | | | | | | |
| | | 2519 | .028 .106 .217 | | | | | | |
| | | 3016 | * * .001 | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= WALLOPS ISLAND, VIRGINIA LAT= 37.85N LON= 75.48W
 INTERVAL = 12 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|---------------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|--------------|
| 3016 | * .003 .039 .187 | 3015 | * .002 .038 | 3015 | * .011 | 3015 | * .006 | | |
| 3017 | * .001 .019 | 3016 | .005 .051 .209 | 3016 | .017 .116 .343 | 3016 | .013 .056 .190 | | |
| 3515 | .007 .056 .210 | 3515 | .001 .007 .040 | 3017 | * .004 .022 | 3017 | * .003 .016 | | |
| | | 3516 | .088 .378 .731 | 3514 | * .001 .006 | 3514 | * * .001 | | |
| | | | | 3515 | .014 .071 .191 | | | | |
| | | | | 3516 | .078 .284 .534 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= WALLOPS ISLAND, VIRGINIA LAT= 37.85N LON= 75.48W
 INTERVAL = 24 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|------------------------|--------|----------------------|
| 2516 | * * .001 | 3014 | * .001 .006 | 2515 | * .001 .004 | 2515 | * * .002 | 2515 | .002 .009 .023 |
| 3015 | .001 .014 .082 | 3015 | .011 .056 .154 | 2516 | * .001 .005 | 2516 | .001 .004 .014 | 2516 | .004 .019 .049 |
| 3016 | .034 .137 .297 | 3016 | .076 .265 .487 | 2517 | * * .001 | 2517 | * * .002 .008 | | |
| 3017 | .027 .106 .231 | 3017 | .022 .088 .192 | 3014 | * .001 .006 | 2518 | .001 .003 .007 | | |
| 3515 | .006 .030 .084 | 3515 | .001 .004 .013 | 3015 | .010 .056 .165 | 3013 | * .001 .002 | | |
| | | 3516 | .011 .064 .196 | 3016 | .054 .196 .380 | 3014 | .001 .005 .016 | | |
| | | | | 3017 | .034 .124 .243 | 3015 | .002 .012 .044 | | |
| | | | | 3018 | .001 .007 .019 | 3016 | .029 .110 .231 | | |
| | | | | 3513 | * * .001 | 3017 | .028 .103 .208 | | |
| | | | | 3514 | .003 .011 .027 | 3513 | * * .001 | | |
| | | | | 3515 | .008 .034 .076 | 3514 | * .001 .005 | | |
| | | | | 3516 | .019 .075 .158 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= WALLOPS ISLAND, VIRGINIA LAT= 37.85N LON= 75.48W
 INTERVAL = 36 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|------------------------|
| 2515 | * .004 .024 | 2014 | * * .001 | 2514 | * * .001 | 2019 | * * .001 | 2514 | * * .001 .005 |
| 2516 | * .001 .003 | 2514 | * .002 .009 | 2515 | .004 .020 .051 | 2513 | * * .001 | 2515 | .003 .012 .030 |
| 2517 | * .002 .013 | 2515 | .001 .008 .031 | 2516 | .005 .023 .056 | 2514 | .001 .003 .008 | 2516 | .010 .038 .087 |
| 2518 | * .001 .005 | 2516 | * .002 .010 | 2517 | .004 .019 .046 | 2515 | .004 .015 .037 | | |
| 2519 | * .001 .003 | 2517 | * * .001 | 2518 | * .002 .006 | 2516 | .007 .078 .065 | | |
| 3015 | .010 .045 .108 | 3014 | .002 .011 .029 | 2519 | * * .001 | 2517 | .006 .027 .067 | | |
| 3016 | .030 .113 .237 | 3015 | .018 .069 .148 | 3012 | * * .001 | 2518 | .003 .011 .026 | | |
| 3017 | .026 .100 .208 | 3016 | .048 .174 .335 | 3014 | .002 .009 .024 | 2519 | * * .001 | | |
| 3515 | .003 .013 .033 | 3017 | .029 .115 .249 | 3015 | .021 .083 .177 | 3013 | .001 .005 .012 | | |
| | | 3515 | * .002 .005 | 3016 | .019 .072 .153 | 3014 | .002 .010 .025 | | |
| | | 3516 | .001 .011 .045 | 3017 | .031 .116 .234 | 3015 | .005 .023 .060 | | |
| | | | | 3018 | .011 .041 .090 | 3016 | .019 .075 .161 | | |
| | | | | 3513 | * * .002 | 3017 | .030 .114 .233 | | |
| | | | | 3514 | .003 .014 .031 | 3513 | .001 .003 .007 | | |
| | | | | 3515 | .004 .016 .037 | 3514 | * .001 .003 | | |
| | | | | 3516 | .009 .034 .071 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= WALLOPS ISLAND, VIRGINIA LAT= 37.85N LON= 75.48W
 INTERVAL = 48 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 2015 | * * .002 | 2013 | * * .001 | 2017 | * * .001 | 2014 | * .001 .004 | 1517 | * * .001 |
| 2017 | * * .001 | 2014 | .001 .003 .009 | 2018 | * * .001 | 2015 | .003 .012 .030 | 2016 | * * .001 |
| 2515 | .007 .037 .107 | 2514 | .002 .010 .026 | 2512 | * .001 .002 | 2016 | * .001 .005 | 2514 | .001 .005 .013 |
| 2516 | .001 .005 .015 | 2515 | .007 .035 .092 | 2513 | * .001 .002 | 2017 | * .001 .005 | 2516 | .008 .033 .074 |
| 2517 | .004 .020 .060 | 2516 | .008 .034 .089 | 2514 | .001 .005 .014 | 2018 | * .002 .006 | | |
| 2518 | .002 .012 .035 | 2517 | .003 .011 .025 | 2515 | .008 .033 .077 | 2019 | * * .001 | | |
| 2519 | .003 .011 .024 | 3014 | .006 .023 .051 | 2516 | .010 .040 .088 | 2513 | * .001 .004 | | |
| 3015 | .007 .029 .066 | 3015 | .012 .047 .100 | 2517 | .013 .050 .107 | 2514 | .001 .005 .013 | | |
| 3016 | .019 .076 .162 | 3016 | .025 .097 .197 | 2518 | .005 .019 .042 | 2515 | .006 .024 .054 | | |
| 3017 | .013 .051 .110 | 3017 | .020 .077 .168 | 2519 | * .001 .003 | 2516 | .008 .033 .073 | | |
| | | 3515 | * .001 .002 | 3012 | * .001 .002 | 2517 | .012 .048 .107 | | |
| | | | | 3014 | .004 .014 .033 | 2518 | .007 .028 .062 | | |
| | | | | 3015 | .015 .058 .123 | 2519 | .001 .004 .010 | | |
| | | | | 3016 | .004 .016 .036 | 3013 | .002 .010 .022 | | |
| | | | | 3017 | .016 .062 .133 | 3014 | .003 .013 .029 | | |
| | | | | 3018 | .010 .043 .101 | 3015 | .005 .022 .053 | | |
| | | | | 3513 | .001 .002 .006 | 3016 | .013 .052 .114 | | |
| | | | | 3514 | .003 .013 .030 | 3017 | .016 .065 .143 | | |
| | | | | 3515 | .001 .005 .013 | 3513 | * .001 .002 | | |
| | | | | | | 3514 | * * .001 | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= WALLOPS ISLAND, VIRGINIA LAT= 37.85N LON= 75.48W
 INTERVAL = 72 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 1513 | * .001 .002 | 2013 | .002 .010 .026 | 1516 | * * .001 | 1513 | * * .002 | 1517 | .001 .006 .014 |
| 1514 | * .001 .003 | 2014 | .003 .013 .033 | 1517 | * * .001 | 1514 | .002 .010 .026 | 2016 | .001 .004 .010 |
| 2015 | .001 .008 .029 | 2015 | .001 .003 .009 | 2012 | * .001 .003 | 1515 | .001 .006 .014 | 2516 | .007 .030 .066 |
| 2017 | .002 .009 .022 | 2016 | * .001 .003 | 2013 | .001 .003 .009 | 1518 | .001 .004 .009 | | |
| 2018 | .001 .004 .009 | 2017 | * * .001 | 2014 | .003 .012 .028 | 2013 | * * .002 | | |
| 2019 | .001 .003 .007 | 2513 | .003 .011 .027 | 2015 | .001 .005 .016 | 2014 | .003 .013 .032 | | |
| 2515 | .021 .083 .176 | 2514 | .006 .023 .052 | 2016 | .001 .006 .017 | 2015 | .007 .028 .063 | | |
| 2516 | .005 .022 .053 | 2515 | .014 .057 .125 | 2017 | .005 .020 .044 | 2016 | .001 .005 .015 | | |
| 2517 | .020 .074 .150 | 2516 | .023 .085 .176 | 2018 | .002 .007 .017 | 2017 | .004 .018 .042 | | |
| 2518 | .011 .044 .093 | 2517 | .008 .031 .071 | 2019 | * * .001 | 2018 | .004 .015 .034 | | |
| 2519 | .020 .074 .147 | 2518 | .003 .010 .023 | 2511 | * .001 .003 | 2019 | .002 .009 .021 | | |
| 3015 | .004 .016 .036 | 3014 | .004 .017 .037 | 2512 | * .002 .005 | 2513 | .001 .003 .007 | | |
| 3016 | .008 .031 .069 | 3015 | .006 .022 .049 | 2513 | .001 .005 .013 | 2514 | .001 .002 .006 | | |
| | | 3016 | .009 .037 .079 | 2514 | .006 .023 .053 | 2515 | .005 .020 .044 | | |
| | | | | 2515 | .007 .030 .066 | 2516 | .007 .027 .059 | | |
| | | | | 2516 | .010 .038 .082 | 2517 | .006 .025 .057 | | |
| | | | | 2517 | .010 .038 .082 | 2518 | .008 .030 .064 | | |
| | | | | 2518 | .008 .033 .072 | 2519 | .016 .061 .128 | | |
| | | | | 2519 | .003 .011 .025 | 3013 | .003 .011 .025 | | |
| | | | | 3012 | * * .001 | 3014 | .001 .004 .009 | | |
| | | | | 3013 | * .001 .003 | 3015 | .004 .018 .040 | | |
| | | | | 3014 | .002 .009 .020 | 3016 | .005 .019 .042 | | |
| | | | | 3015 | .005 .018 .039 | | | | |
| | | | | 3017 | .010 .036 .069 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= WALLOWPS ISLAND, VIRGINIA LAT= 37.85N LON= 75.48W
 INTERVAL = 72 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE 3513 | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|-----------|--------|--------|----------------|----------------------|--------|---------|--------|--------------|
| | | | | | .002 .007 .017 | | | | |
| | | | | 3514 | .003 .011 .025 | | | | |
| | | | | 3515 | .001 .004 .008 | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= WALLOWPS ISLAND, VIRGINIA LAT= 37.85N LON= 75.48W
 INTERVAL = 96 HOURS

| SQUARE | JUNE-JULY | SQUARE | AUGUST | SQUARE | SEPTEMBER | SQUARE | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|--------|----------------------|
| 1513 | .002 .010 .024 | 1011 | * * .002 | 1511 | * * .001 | 1016 | * * .001 | 1516 | * * .001 |
| 1514 | .001 .006 .015 | 1510 | * * .001 | 1512 | * * .001 | 1513 | * .002 .005 | 1517 | .003 .013 .030 |
| 1517 | .001 .005 .014 | 1511 | * * .001 | 1513 | * * .001 | 1515 | .005 .018 .040 | 2016 | .001 .004 .009 |
| 2015 | .005 .024 .064 | 1512 | .001 .003 .009 | 1514 | * * .002 | 1516 | * .002 .004 | | |
| 2017 | .006 .023 .052 | 1513 | * * .001 | 1516 | .002 .010 .023 | 1517 | .001 .006 .014 | | |
| 2018 | .004 .017 .037 | 1514 | * * .001 | 1517 | .002 .009 .020 | 1518 | .003 .013 .029 | | |
| 2019 | .005 .018 .039 | 2012 | * * .001 | 2011 | * .001 .003 | 2013 | .002 .009 .019 | | |
| 2515 | .014 .054 .113 | 2013 | .003 .013 .031 | 2012 | .003 .013 .029 | 2014 | .004 .015 .033 | | |
| 2516 | .012 .047 .102 | 2014 | .006 .024 .055 | 2013 | .005 .019 .043 | 2015 | .004 .016 .036 | | |
| 2517 | .016 .061 .127 | 2015 | .008 .031 .069 | 2014 | .004 .017 .041 | 2016 | .004 .015 .035 | | |
| 3016 | .002 .008 .019 | 2016 | .004 .017 .043 | 2015 | .005 .022 .050 | 2017 | .007 .028 .062 | | |
| | | 2017 | .001 .003 .008 | 2016 | .009 .036 .079 | 2018 | .006 .022 .049 | | |
| | | 2018 | * .002 .005 | 2017 | .008 .030 .067 | 2019 | .009 .036 .078 | | |
| | | 2513 | .005 .018 .040 | 2018 | .003 .010 .024 | 2513 | * * .002 | | |
| | | 2514 | .009 .029 .064 | 2019 | * * .002 | 2514 | .001 .004 .010 | | |
| | | 2515 | .014 .054 .112 | 2511 | .001 .002 .005 | 2515 | .005 .018 .040 | | |
| | | 2516 | .010 .040 .085 | 2512 | .001 .003 .007 | 2516 | .005 .018 .041 | | |
| | | 2517 | .004 .016 .040 | 2513 | .002 .009 .021 | 2517 | .004 .015 .033 | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR OFFSET CIRCLES WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 TARGET= WALLOPS ISLAND, VIRGINIA LAT= 37.85N LON= 75.48W
 INTERVAL = 96 HOURS

| SQUARE | JUNE-JULY | SQUARE 2518 | AUGUST | SQUARE 2514 | SEPTEMBER | SQUARE 3014 | OCTOBER | SQUARE | NOVEMBER-MAY |
|--------|-----------|----------------|----------------------|----------------|----------------------|----------------|----------------------|--------|--------------|
| | | | .010 .037 .079 | | .006 .022 .049 | | * .001 .002 | | |
| | | 3016 | .006 .024 .052 | 2515 | .007 .029 .063 | 3015 | .003 .014 .032 | | |
| | | | | 2516 | .008 .031 .067 | 3016 | .002 .009 .020 | | |
| | | | | 2517 | .006 .024 .055 | | | | |
| | | | | 2518 | .008 .032 .071 | | | | |
| | | | | 2519 | .004 .017 .040 | | | | |
| | | | | 3012 | * * .001 | | | | |
| | | | | 3013 | .001 .004 .010 | | | | |
| | | | | 3014 | .002 .007 .017 | | | | |
| | | | | 3015 | * .002 .004 | | | | |
| | | | | 3513 | .002 .007 .016 | | | | |
| | | | | 3514 | .003 .013 .029 | | | | |
| | | | | 3515 | .001 .005 .011 | | | | |

APPENDIX II

Probabilities for Five-Degree Latitude-Longitude Squares (24- and 48-Hour
Time Intervals for September).

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1006 INITIAL POSITION • 12.5 N 027.5 W NUMBER OF OBS = 15

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|------|------|------|------|
| * | * | * | |
| * | .003 | * | |
| .013 | .038 | | |
| * | .164 | .015 | * |
| .002 | .461 | .130 | * |
| .014 | .711 | .386 | .001 |

SDEG ID = 1007 INITIAL POSITION • 12.5 N 032.5 W NUMBER OF OBS = 13

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

| | |
|------|------|
| .011 | * |
| .063 | * |
| .197 | .001 |
| .177 | * |
| .610 | .002 |
| .890 | .050 |
| * | |
| .001 | |
| .012 | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1008 INITIAL POSITION = 12.5 N 037.5 W NUMBER OF OBS = 18

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

| | | |
|------|------|------|
| * | .004 | .001 |
| * | .038 | .007 |
| .002 | .174 | .038 |
| .001 | .124 | .006 |
| .006 | .436 | .042 |
| .032 | .750 | .160 |
| * | | |
| * | | |
| .001 | | |

SDEG ID = 1009 INITIAL POSITION = 12.5 N 042.5 W NUMBER OF OBS = 19

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

| | | |
|------|------|------|
| * | .003 | * |
| * | .043 | .001 |
| .005 | .229 | .018 |
| * | .075 | .005 |
| .002 | .375 | .038 |
| .020 | .757 | .148 |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1010 INITIAL POSITION = 12.5 N 047.5 W NUMBER OF OBS = 22

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | .004 | .017 | * | | | | | | |
| | | | | | | | | | | | | | .019 | .131 | .001 | | | | | | |
| | | | | | | | | | | | | | .098 | .401 | .013 | | | | | | |
| 12.5 | | | | | | | | | | | | | * | .023 | .016 | | | | | | |
| | | | | | | | | | | | | | * | .192 | .069 | | | | | | |
| | | | | | | | | | | | | | .009 | .555 | .174 | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1011 INITIAL POSITION = 12.5 N 052.5 W NUMBER OF OBS = 15

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | * | .010 | * | | | | | | |
| | | | | | | | | | | | | | .003 | .073 | .003 | | | | | | |
| | | | | | | | | | | | | | .019 | .264 | .022 | | | | | | |
| 12.5 | | | | | | | | | | | | | .001 | .089 | .005 | | | | | | |
| | | | | | | | | | | | | | .008 | .365 | .034 | | | | | | |
| | | | | | | | | | | | | | .044 | .704 | .120 | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1012 INITIAL POSITION = 12.5 N 057.5 W NUMBER OF OBS = 22

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | .002 | * | | | | | | | | | | |
| | | | | | | | | | | .022 | * | | | | | | | | | | |
| | | | | | | | | | | .121 | .003 | | | | | | | | | | |
| 12.5 | | | | | | | | | * | .245 | * | | | | | | | | | | |
| | | | | | | | | | * | .681 | .006 | | | | | | | | | | |
| | | | | | | | | | .008 | .928 | .062 | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1013 INITIAL POSITION = 12.5 N 062.5 W NUMBER OF OBS = 27

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | * | | | | | | | | | | | |
| | | | | | | | | | | .011 | | | | | | | | | | | |
| 12.5 | | | | | | | | | * | .210 | .007 | | | | | | | | | | |
| | | | | | | | | | .005 | .684 | .048 | | | | | | | | | | |
| | | | | | | | | | .033 | .919 | .176 | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1014 INITIAL POSITION = 12.5 N 067.5 W NUMBER OF OBS = 17

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

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|------|------|------|
| | | * |
| | | * |
| | | .007 |
| * | .303 | .001 |
| * | .821 | .019 |
| .006 | .978 | .127 |

SDEG ID = 1015 INITIAL POSITION = 12.5 N 072.5 W NUMBER OF OBS = 15

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

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|--|--|------|------|
| | | .285 | .004 |
| | | .735 | .052 |
| | | .948 | .262 |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1016 INITIAL POSITION = 12.5 N 077.5 W NUMBER OF OBS = 17

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

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|------|------|------|------|
| | | * | * |
| | | .005 | .006 |
| | | .051 | .040 |
| * | .143 | | .012 |
| * | .454 | | .093 |
| .005 | .744 | | .319 |
| | * | | |
| | * | | |
| | .004 | | |

SDEG ID = 1017 INITIAL POSITION = 12.5 N 082.5 W NUMBER OF OBS = 11

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

| | | | | |
|------|------|------|------|------|
| | | * | .010 | * |
| | | .015 | .069 | * |
| | | .140 | .217 | .001 |
| * | .058 | | .002 | |
| .001 | .242 | | .039 | |
| .005 | .500 | | .245 | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1506 INITIAL POSITION = 17.5 N 027.5 W NUMBER OF OBS = 10

| LATITUDE | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
|----------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

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|------|------|------|------|
| | * | * | * |
| | * | * | * |
| | .001 | .014 | .001 |
| .005 | .084 | .010 | * |
| .019 | .370 | .226 | .004 |
| .050 | .591 | .486 | .020 |

SDEG ID = 1507 INITIAL POSITION = 17.5 N 032.5 W NUMBER OF OBS = 15

| LATITUDE | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
|----------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|------|------|------|------|
| | .003 | .034 | .001 |
| | .036 | .126 | .006 |
| | .180 | .252 | .018 |
| .004 | .082 | .001 | |
| .026 | .291 | .019 | |
| .081 | .521 | .121 | |
| * | * | * | |
| .001 | * | * | |
| .006 | .002 | * | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1508 INITIAL POSITION = 17.5 N 037.5 W NUMBER OF OBS = 21

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|--|------|------|------|
| | | .002 | * |
| | | .041 | .004 |
| | | .246 | .028 |
| | * | .117 | * |
| | .006 | .484 | .002 |
| | .044 | .828 | .037 |

SDEG ID = 1509 INITIAL POSITION = 17.5 N 042.5 W NUMBER OF OBS = 30

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

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|--|--|------|------|------|
| | | * | .006 | .001 |
| | | .001 | .054 | .007 |
| | | .009 | .233 | .037 |
| | | .003 | .101 | .002 |
| | | .022 | .398 | .020 |
| | | .083 | .736 | .094 |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1510 INITIAL POSITION = 17.5 N 047.5 W NUMBER OF OBS = 47

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

| | | |
|------|------|------|
| * | .019 | .004 |
| * | .111 | .029 |
| .004 | .323 | .106 |
| * | .078 | .004 |
| .003 | .303 | .033 |
| .018 | .596 | .144 |
| * | | |
| * | | |
| | .001 | |

SDEG ID = 1511 INITIAL POSITION = 17.5 N 052.5 W NUMBER OF OBS = 57

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

| | | |
|------|------|------|
| * | .012 | .004 |
| * | .075 | .027 |
| .004 | .239 | .098 |
| * | .091 | .010 |
| .004 | .332 | .062 |
| .021 | .620 | .207 |
| * | | |
| * | | |
| | .003 | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1512 INITIAL POSITION = 17.5 N 057.5 W NUMBER OF OBS = 68

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

* .001 .002
 * .027 .022
 .001 .178 .106

.001 .068 .006
 .005 .311 .059
 .025 .628 .237

SDEG ID = 1513 INITIAL POSITION = 17.5 N 062.5 W NUMBER OF OBS = 61

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

* .004 .001
 * .050 .011
 .001 .246 .096

* .112 .001
 .003 .422 .013
 .021 .749 .099

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1514 INITIAL POSITION = 17.5 N 067.5 W NUMBER OF OBS = 54

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

| | | |
|--|------|------|
| | * | .003 |
| | .011 | .027 |
| | .126 | .102 |
| | * | .131 |
| | .003 | .438 |
| | .023 | .717 |
| | | .001 |
| | | .019 |
| | | .197 |

SDEG ID = 1515 INITIAL POSITION = 17.5 N 072.5 W NUMBER OF OBS = 36

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

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|--|------|------|------|
| | * | .001 | * |
| | .002 | .018 | .001 |
| | .002 | .116 | .012 |
| | * | .170 | .005 |
| | .005 | .550 | .042 |
| | .033 | .852 | .164 |
| | * | | |
| | * | | |
| | .001 | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1516 INITIAL POSITION = 17.5 N 077.5 W NUMBER OF OBS = 45

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1517 INITIAL POSITION = 17.5 N 082.5 W NUMBER OF OBS = 56

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 1518 INITIAL POSITION = 17.5 N 087.5 W NUMBER OF OBS = 31

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1519 INITIAL POSITION = 17.5 N 092.5 W NUMBER OF OBS = 10

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 2010 INITIAL POSITION = 22.5 N 047.5 W NUMBER OF OBS = 16

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2011 INITIAL POSITION = 22.5 N 052.5 W NUMBER OF OBS = 34

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 2012 INITIAL POSITION = 22.5 N 057.5 W NUMBER OF OBS = 47

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | * | * | | | | | | | | | | |
| | | | | | | | | | | .001 | .002 | | | | | | | | | | |
| 27.5 | | | | | | | | | | * | .021 | .033 | .001 | | | | | | | | |
| | | | | | | | | | | .001 | .106 | .133 | .004 | | | | | | | | |
| | | | | | | | | | | .008 | .287 | .294 | .014 | | | | | | | | |
| 22.5 | | | | | | | | | | .001 | .046 | .012 | * | | | | | | | | |
| | | | | | | | | | | .007 | .182 | .072 | * | | | | | | | | |
| | | | | | | | | | | .026 | .386 | .224 | .003 | | | | | | | | |
| 17.5 | | | | | | | | | | * | | | | | | | | | | | |
| | | | | | | | | | | * | | | | | | | | | | | |
| | | | | | | | | | | .002 | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2013 INITIAL POSITION = 22.5 N 062.5 W NUMBER OF OBS = 73

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | * | | | | | | | | | | | |
| | | | | | | | | | | .001 | | | | | | | | | | | |
| 27.5 | | | | | | | | | | * | .019 | .036 | * | | | | | | | | |
| | | | | | | | | | | .001 | .110 | .151 | .003 | | | | | | | | |
| | | | | | | | | | | .005 | .318 | .344 | .012 | | | | | | | | |
| 22.5 | | | | | | | | | | * | .029 | .008 | * | | | | | | | | |
| | | | | | | | | | | .003 | .135 | .058 | * | | | | | | | | |
| | | | | | | | | | | .013 | .335 | .216 | .002 | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 2014 INITIAL POSITION = 22.5 N 067.5 W NUMBER OF OBS = 80

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

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|------|------|------|------|
| * | .013 | .024 | * |
| * | .081 | .114 | .001 |
| .002 | .261 | .292 | .005 |
| * | .037 | .014 | * |
| .001 | .163 | .091 | * |
| .007 | .383 | .290 | .002 |

SDEG ID = 2015 INITIAL POSITION = 22.5 N 072.5 W NUMBER OF OBS = 68

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

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|------|------|------|
| .005 | .030 | * |
| .046 | .136 | .001 |
| .208 | .327 | .006 |
| * | .042 | .008 |
| * | .175 | .073 |
| .004 | .392 | .292 |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 2016 INITIAL POSITION = 22.5 N 077.5 W NUMBER OF OBS = 39

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

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|--|--|------|------|------|
| | | * | .004 | * |
| | | .006 | .046 | .003 |
| | | .068 | .197 | .013 |
| | | .001 | .072 | .015 |
| | | .006 | .264 | .135 |
| | | .022 | .490 | .430 |

SDEG ID = 2017 INITIAL POSITION = 22.5 N 082.5 W NUMBER OF OBS = 52

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

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|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

5DEG ID = 2018 INITIAL POSITION = 22.5 N 087.5 W NUMBER OF OBS = 54

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

5DEG ID = 2019 INITIAL POSITION = 22.5 N 092.5 W NUMBER OF OBS = 45

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 2020 INITIAL POSITION = 22.5 N 097.5 W NUMBER OF OBS = 14

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | .011 * | | | |
| | | | | | | | | | | | | | | | | | .043 .002 | | | | |
| | | | | | | | | | | | | | | | | | .111 .029 | | | | |
| 22.5 | | | | | | | | | | | | | | | | | .004 .088 | | | | |
| | | | | | | | | | | | | | | | | | .070 .388 | | | | |
| | | | | | | | | | | | | | | | | | .355 .699 | | | | |
| 17.5 | | | | | | | | | | | | | | | | | .003 * | | | | |
| | | | | | | | | | | | | | | | | | .024 * | | | | |
| | | | | | | | | | | | | | | | | | .084 .001 | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2507 INITIAL POSITION = 27.5 N 032.5 W NUMBER OF OBS = 10

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
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| 27.5 | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 2509 INITIAL POSITION = 27.5 N 042.5 W NUMBER OF OBS = 14

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | * | * | .002 | .001 | * | | | |
| | | | | | | | | | | | | | | .001 | .002 | .008 | .007 | .002 | | | |
| | | | | | | | | | | | | | | | .010 | .025 | .017 | .004 | | | |
| 32.5 | | | | | | | | | | | | | | * | .005 | .031 | .028 | .005 | * | | |
| | | | | | | | | | | | | | | .001 | .026 | .121 | .101 | .021 | .002 | | |
| | | | | | | | | | | | | | | .003 | .078 | .256 | .200 | .050 | .003 | | |
| 27.5 | | | | | | | | | | | | | | * | .004 | .034 | .027 | .003 | * | | |
| | | | | | | | | | | | | | | .001 | .017 | .124 | .109 | .017 | .001 | | |
| | | | | | | | | | | | | | | | .045 | .242 | .245 | .056 | .003 | | |
| 22.5 | | | | | | | | | | | | | | * | .003 | .002 | * | | | | |
| | | | | | | | | | | | | | | .001 | .010 | .011 | .001 | | | | |
| | | | | | | | | | | | | | | .002 | .024 | .035 | .006 | | | | |
| 17.5 | | | | | | | | | | | | | | * | | | | | | | |
| | | | | | | | | | | | | | | .001 | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2510 INITIAL POSITION = 27.5 N 047.5 W NUMBER OF OBS = 15

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | * | * | * | | | | | |
| | | | | | | | | | | | | | | .001 | .003 | .001 | | | | | |
| | | | | | | | | | | | | | | .004 | .011 | .003 | | | | | |
| 32.5 | | | | | | | | | | | | | | * | .010 | .046 | .010 | * | | | |
| | | | | | | | | | | | | | | .001 | .046 | .175 | .047 | .001 | | | |
| | | | | | | | | | | | | | | .004 | .117 | .361 | .125 | .004 | | | |
| 27.5 | | | | | | | | | | | | | | * | .007 | .051 | .015 | * | | | |
| | | | | | | | | | | | | | | .002 | .035 | .195 | .064 | .001 | | | |
| | | | | | | | | | | | | | | | .099 | .399 | .156 | .005 | | | |
| 22.5 | | | | | | | | | | | | | | * | * | * | | | | | |
| | | | | | | | | | | | | | | .002 | .003 | .001 | | | | | |
| | | | | | | | | | | | | | | | .012 | .005 | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 2511 INITIAL POSITION = 27.5 N 052.5 W NUMBER OF OBS = 32

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2512 INITIAL POSITION = 27.5 N 057.5 W NUMBER OF OBS = 30

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

5DEG ID = 2513 INITIAL POSITION = 27.5 N 062.5 W NUMBER OF OBS = 39

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | * | * | | | | | | | | | | |
| | | | | | | | | | | .004 | .004 | | | | | | | | | | |
| 32.5 | | | | | | | | | * | .007 | .055 | .020 | .001 | | | | | | | | |
| | | | | | | | | | * .003 | .043 | .214 | .078 | .003 | | | | | | | | |
| | | | | | | | | | | .136 | .438 | .171 | .009 | | | | | | | | |
| 27.5 | | | | | | | | | .001 | .022 | .022 | .001 | * | | | | | | | | |
| | | | | | | | | | .004 | .088 | .110 | .009 | * | | | | | | | | |
| | | | | | | | | | .012 | .195 | .294 | .044 | .001 | | | | | | | | |
| 22.5 | | | | | | | | | * | | | | | | | | | | | | |
| | | | | | | | | | * | | | | | | | | | | | | |
| | | | | | | | | | .001 | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

5DEG ID = 2514 INITIAL POSITION = 27.5 N 067.5 W NUMBER OF OBS = 75

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | * | * | | | | | | | | | | |
| | | | | | | | | | | .002 | .003 | | | | | | | | | | |
| 32.5 | | | | | | | | | * | .004 | .052 | .023 | .001 | | | | | | | | |
| | | | | | | | | | * .001 | .028 | .211 | .088 | .003 | | | | | | | | |
| | | | | | | | | | | .109 | .446 | .187 | .010 | | | | | | | | |
| 27.5 | | | | | | | | | * | .022 | .020 | .001 | | | | | | | | | |
| | | | | | | | | | .003 | .088 | .110 | .007 | | | | | | | | | |
| | | | | | | | | | .010 | .193 | .309 | .041 | | | | | | | | | |
| 22.5 | | | | | | | | | * | | | | | | | | | | | | |
| | | | | | | | | | * | | | | | | | | | | | | |
| | | | | | | | | | .001 | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 2515 INITIAL POSITION = 27.5 N 072.5 W NUMBER OF OBS = 73

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | * | .001 | .001 | * | | | | | | | | | |
| | | | | | | | | * | .005 | .005 | * | | | | | | | | | |
| | | | | | | | | .002 | .019 | .017 | .002 | | | | | | | | | |
| 32.5 | | | | | | | | * | .007 | .061 | .021 | * | | | | | | | | |
| | | | | | | | | * | .035 | .226 | .085 | .002 | | | | | | | | |
| | | | | | | | | .001 | .106 | .443 | .189 | .008 | | | | | | | | |
| 27.5 | | | | | | | | * | .014 | .035 | .002 | * | | | | | | | | |
| | | | | | | | | .001 | .059 | .143 | .016 | * | | | | | | | | |
| | | | | | | | | .004 | .140 | .318 | .058 | .001 | | | | | | | | |
| 22.5 | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | .001 | .001 | | | | | | | | | | | |
| | | | | | | | | .005 | .004 | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2516 INITIAL POSITION = 27.5 N 077.5 W NUMBER OF OBS = 71

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | * | * | * | * | | | | | | | | | |
| | | | | | | | | .001 | .001 | .002 | .001 | | | | | | | | | |
| | | | | | | | | .001 | .006 | .008 | .002 | | | | | | | | | |
| 32.5 | | | | | | | | * | .004 | .032 | .019 | .001 | | | | | | | | |
| | | | | | | | | * | .024 | .129 | .074 | .006 | | | | | | | | |
| | | | | | | | | .002 | .077 | .283 | .139 | .017 | | | | | | | | |
| 27.5 | | | | | | | | .001 | .029 | .047 | .006 | * | | | | | | | | |
| | | | | | | | | .005 | .111 | .181 | .030 | .001 | | | | | | | | |
| | | | | | | | | .017 | .229 | .375 | .090 | .003 | | | | | | | | |
| 22.5 | | | | | | | | * | .001 | * | * | | | | | | | | | |
| | | | | | | | | .001 | .006 | .002 | * | | | | | | | | | |
| | | | | | | | | .003 | .021 | .011 | .001 | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 2517 INITIAL POSITION = 27.5 N 082.5 W NUMBER OF OBS = 50

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2518 INITIAL POSITION = 27.5 N 087.5 W NUMBER OF OBS = 73

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

5 DEG ID = 2519 INITIAL POSITION = 27.5 N 092.5 W NUMBER OF OBS = 66

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | * | * | | | | | | | | | | | | | | | | |
| | | | | .003 | .003 | | | | | | | | | | | | | | | | |
| 32.5 | | | .002 | .037 | .015 | * | | | | | | | | | | | | | | | |
| | | | .016 | .150 | .060 | .001 | | | | | | | | | | | | | | | |
| | | | .063 | .334 | .139 | .005 | | | | | | | | | | | | | | | |
| 27.5 | * | .022 | .058 | .003 | * | | | | | | | | | | | | | | | | |
| | .001 | .088 | .224 | .021 | * | | | | | | | | | | | | | | | | |
| | .004 | .198 | .457 | .078 | .001 | | | | | | | | | | | | | | | | |
| 22.5 | | * | * | | | | | | | | | | | | | | | | | | |
| | | .002 | .001 | | | | | | | | | | | | | | | | | | |
| | | .010 | .007 | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

5 DEG ID = 2520 INITIAL POSITION = 27.5 N 097.5 W NUMBER OF OBS = 14

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | * | * | | | | | | | | | | | | | | | | | |
| | | | .002 | .002 | | | | | | | | | | | | | | | | | |
| | | | .008 | .008 | | | | | | | | | | | | | | | | | |
| 32.5 | .001 | .046 | .008 | * | | | | | | | | | | | | | | | | | |
| | .007 | .177 | .040 | * | | | | | | | | | | | | | | | | | |
| | .039 | .362 | .108 | .001 | | | | | | | | | | | | | | | | | |
| 27.5 | .010 | .077 | .001 | | | | | | | | | | | | | | | | | | |
| | .056 | .279 | .008 | | | | | | | | | | | | | | | | | | |
| | .163 | .523 | .043 | | | | | | | | | | | | | | | | | | |
| 22.5 | .001 | .001 | | | | | | | | | | | | | | | | | | | |
| | .006 | .005 | | | | | | | | | | | | | | | | | | | |
| | .019 | .024 | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 3009 INITIAL POSITION = 32.5 N 042.5 W NUMBER OF OBS = 21

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | * | .008 | .015 | .002 | * | | | | |
| | | | | | | | | | | | | | | .002 | .051 | .069 | .009 | * | | | | |
| | | | | | | | | | | | | | | .015 | .170 | .182 | .027 | .001 | | | | |
| 32.5 | | | | | | | | | | | | | * | .013 | .078 | .025 | .001 | | | | | |
| | | | | | | | | | | | | | .001 | .053 | .278 | .117 | .005 | | | | | |
| | | | | | | | | | | | | | .003 | .126 | .517 | .294 | .020 | | | | | |
| 27.5 | | | | | | | | | | | | | | * | * | * | | | | | | |
| | | | | | | | | | | | | | | .001 | .001 | * | | | | | | |
| | | | | | | | | | | | | | | .004 | .007 | .001 | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3010 INITIAL POSITION = 32.5 N 047.5 W NUMBER OF OBS = 12

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | * | .006 | .014 | .003 | * | | | | |
| | | | | | | | | | | | | | | .003 | .051 | .077 | .017 | .001 | | | | |
| | | | | | | | | | | | | | | .024 | .194 | .209 | .047 | .003 | | | | |
| 32.5 | | | | | | | | | | | | | .001 | .028 | .047 | .010 | * | * | | | | |
| | | | | | | | | | | | | | .005 | .097 | .206 | .067 | .004 | * | | | | |
| | | | | | | | | | | | | | .015 | .190 | .442 | .218 | .023 | .001 | | | | |
| 27.5 | | | | | | | | | | | | | | * | * | | | | | | | |
| | | | | | | | | | | | | | | * | * | | | | | | | |
| | | | | | | | | | | | | | | .001 | .001 | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 3011 INITIAL POSITION = 32.5 N 052.5 W NUMBER OF OBS = 13

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | * | * | .003 | .005 | .003 | .001 | * | | | | |
| | | | | | | | | | | | .001 | .007 | .030 | .048 | .029 | .007 | .001 | | | | |
| 37.5 | | | | | | | | | | | * | .004 | .020 | .029 | .012 | .002 | * | | | | |
| | | | | | | | | | | | .001 | .017 | .080 | .111 | .048 | .007 | * | | | | |
| | | | | | | | | | | | .003 | .043 | .174 | .232 | .108 | .018 | .001 | | | | |
| 32.5 | | | | | | | | | | | * | .006 | .025 | .027 | .008 | .001 | | | | | |
| | | | | | | | | | | | .001 | .023 | .097 | .106 | .032 | .003 | | | | | |
| | | | | | | | | | | | .004 | .056 | .205 | .225 | .077 | .008 | | | | | |
| 27.5 | | | | | | | | | | | * | .001 | .004 | .003 | .001 | * | | | | | |
| | | | | | | | | | | | .001 | .005 | .017 | .014 | .003 | * | | | | | |
| | | | | | | | | | | | .001 | .013 | .043 | .037 | .009 | .001 | | | | | |
| 22.5 | | | | | | | | | | | * | * | * | * | * | * | | | | | |
| | | | | | | | | | | | .001 | .001 | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3012 INITIAL POSITION = 32.5 N 057.5 W NUMBER OF OBS = 30

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | * | .001 | .002 | .001 | * | | | | | | |
| | | | | | | | | | | | .001 | .007 | .010 | .003 | * | | | | | | |
| | | | | | | | | | | | .006 | .025 | .030 | .011 | .001 | | | | | | |
| 37.5 | | | | | | | | | | | .001 | .013 | .047 | .043 | .010 | .001 | | | | | |
| | | | | | | | | | | | .004 | .053 | .177 | .159 | .041 | .003 | | | | | |
| | | | | | | | | | | | .012 | .124 | .356 | .318 | .094 | .009 | | | | | |
| 32.5 | | | | | | | | | | | .001 | .008 | .017 | .009 | .001 | * | | | | | |
| | | | | | | | | | | | .004 | .035 | .073 | .042 | .007 | * | | | | | |
| | | | | | | | | | | | .011 | .084 | .178 | .115 | .024 | .002 | | | | | |
| 27.5 | | | | | | | | | | | * | * | * | * | * | * | | | | | |
| | | | | | | | | | | | .001 | .002 | .001 | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER
 TIME INTERVAL - 24 HOURS

5DEG ID = 3013 INITIAL POSITION = 32.5 N 062.5 W NUMBER OF OBS = 48

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | * | .004 | .005 | .001 | * | | | | | | |
| | | | | | | | | | | .002 | .018 | .022 | .006 | * | | | | | | |
| | | | | | | | | | | .010 | .053 | .050 | .013 | .001 | | | | | | |
| 37.5 | | | | | | | | | .001 | .026 | .050 | .009 | * | | | | | | | |
| | | | | | | | | | .006 | .109 | .178 | .041 | .002 | * | | | | | | |
| | | | | | | | | | .025 | .250 | .337 | .101 | .007 | | | | | | | |
| 32.5 | | | | | | | | | * | .011 | .038 | .006 | * | | | | | | | |
| | | | | | | | | | .001 | .046 | .141 | .034 | .001 | | | | | | | |
| | | | | | | | | | .003 | .106 | .281 | .108 | .005 | | | | | | | |
| 27.5 | | | | | | | | | * | .002 | * | * | | | | | | | | |
| | | | | | | | | | .001 | .010 | .004 | * | | | | | | | | |
| | | | | | | | | | .003 | .025 | .016 | .001 | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

5DEG ID = 3014 INITIAL POSITION = 32.5 N 067.5 W NUMBER OF OBS = 72

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | * | .001 | .002 | .002 | .001 | * | | | | | | |
| | | | | | | | | | * | .003 | .013 | .011 | .002 | * | | | | | | |
| | | | | | | | | | .001 | .014 | .040 | .030 | .007 | .001 | | | | | | |
| 37.5 | | | | | | | | | * | .003 | .034 | .051 | .014 | .001 | | | | | | |
| | | | | | | | | | * | .017 | .135 | .186 | .057 | .005 | | | | | | |
| | | | | | | | | | .001 | .052 | .290 | .359 | .126 | .014 | | | | | | |
| 32.5 | | | | | | | | | * | .010 | .026 | .008 | * | * | | | | | | |
| | | | | | | | | | .002 | .040 | .102 | .042 | .004 | * | | | | | | |
| | | | | | | | | | .006 | .090 | .223 | .121 | .015 | .001 | | | | | | |
| 27.5 | | | | | | | | | * | * | * | * | | | | | | | | |
| | | | | | | | | | * | .002 | .001 | * | | | | | | | | |
| | | | | | | | | | .001 | .006 | .005 | .001 | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 3015 INITIAL POSITION = 32.5 N 072.5 W NUMBER OF OBS = 94

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | * | * | * | * | | | | | | | | | | |
| | | | | | | | | .001 | .004 | .002 | * | | | | | | | | | | |
| | | | | | | | | .006 | .018 | .009 | .001 | | | | | | | | | | |
| 37.5 | | | | | | * | .003 | .050 | .056 | .007 | * | | | | | | | | | | |
| | | | | | | * | .022 | .196 | .195 | .031 | .001 | | | | | | | | | | |
| | | | | | | .001 | .077 | .409 | .364 | .074 | .003 | | | | | | | | | | |
| 32.5 | | | | | | * | .014 | .019 | .002 | * | | | | | | | | | | | |
| | | | | | | .002 | .054 | .091 | .016 | * | | | | | | | | | | | |
| | | | | | | .008 | .119 | .235 | .071 | .003 | | | | | | | | | | | |
| 27.5 | | | | | | * | | | | | | | | | | | | | | | |
| | | | | | | * | | | | | | | | | | | | | | | |
| | | | | | | .002 | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3016 INITIAL POSITION = 32.5 N 077.5 W NUMBER OF OBS = 99

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | * | .002 | .011 | .010 | .002 | * | | | | | | | | | | |
| | | | | | | .001 | .013 | .048 | .040 | .009 | .001 | | | | | | | | | | |
| | | | | | | .003 | .042 | .117 | .088 | .023 | .002 | | | | | | | | | | |
| 37.5 | | | | | | * | .004 | .041 | .050 | .011 | .001 | | | | | | | | | | |
| | | | | | | * | .021 | .154 | .183 | .047 | .003 | | | | | | | | | | |
| | | | | | | .002 | .060 | .312 | .359 | .115 | .011 | | | | | | | | | | |
| 32.5 | | | | | | * | .007 | .015 | .003 | * | | | | | | | | | | | |
| | | | | | | .001 | .030 | .062 | .018 | .001 | | | | | | | | | | | |
| | | | | | | .005 | .067 | .143 | .060 | .005 | | | | | | | | | | | |
| 27.5 | | | | | | * | * | * | | | | | | | | | | | | | |
| | | | | | | * | .001 | .001 | | | | | | | | | | | | | |
| | | | | | | .001 | .005 | .003 | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 3017 INITIAL POSITION = 32.5 N 082.5 W NUMBER OF OBS = 22

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | * | * | * | * | | | | | | | | | | | | |
| | | | | | | .003 | .002 | .002 | .001 | | | | | | | | | | | | |
| 37.5 | | | | * | .003 | .032 | .050 | .015 | .001 | * | | | | | | | | | | | |
| | | | | * | .017 | .134 | .180 | .058 | .006 | * | | | | | | | | | | | |
| | | | | .002 | .060 | .302 | .343 | .120 | .014 | .001 | | | | | | | | | | | |
| 32.5 | | | | .001 | .017 | .024 | .005 | * | | | | | | | | | | | | | |
| | | | | .005 | .065 | .105 | .032 | .002 | | | | | | | | | | | | | |
| | | | | .015 | .135 | .247 | .109 | .013 | | | | | | | | | | | | | |
| 27.5 | | | | * | * | * | | | | | | | | | | | | | | | |
| | | | | * | .001 | * | | | | | | | | | | | | | | | |
| | | | | .002 | .004 | .001 | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3018 INITIAL POSITION = 32.5 N 087.5 W NUMBER OF OBS = 24

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | * | * | * | | | | | | | | | | | | | |
| | | | | | | .001 | .002 | .001 | | | | | | | | | | | | | |
| 37.5 | | | | * | .002 | .024 | .030 | .006 | * | | | | | | | | | | | | |
| | | | | * | .015 | .114 | .119 | .023 | .001 | | | | | | | | | | | | |
| | | | | .001 | .059 | .284 | .258 | .056 | .003 | | | | | | | | | | | | |
| 32.5 | | | | .001 | .020 | .037 | .010 | * | | | | | | | | | | | | | |
| | | | | .004 | .075 | .157 | .055 | .004 | | | | | | | | | | | | | |
| | | | | .013 | .159 | .352 | .167 | .017 | | | | | | | | | | | | | |
| 27.5 | | | | * | * | * | | | | | | | | | | | | | | | |
| | | | | * | * | * | | | | | | | | | | | | | | | |
| | | | | .001 | .002 | .001 | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER
 TIME INTERVAL - 24 HOURS

SDEG ID = 3509 INITIAL POSITION = 37.5 N 042.5 W NUMBER OF OBS = 11

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|------|--|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|------|------|------|------|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42.5 | | | | | | | | | | | | | * | .001 | .008 | .006 | .001 | | | | | | | | | | | | | | | | | | * | .011 | .046 | .029 | .004 | | | | | | | | | | | | | | | | | | .002 | .052 | .141 | .077 | .011 | | | | | 37.5 | | | | | | | | | | | | | * | .007 | .072 | .062 | .008 | * | | | | | | | | | | | | | | | | | * | .035 | .244 | .233 | .040 | .002 | | | | | | | | | | | | | | | | .002 | .090 | .438 | .437 | .114 | .007 | | | | | 32.5 | | | | | | | | | | | | | * | .001 | .001 | * | | | | | | | | | | | | | | | | | | | * | .005 | .006 | .001 | | | | | | | | | | | | | | | | | | .001 | .017 | .029 | .007 | | | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | * | .011 | .046 | .029 | .004 | | | | | | | | | | | | | | | | | | .002 | .052 | .141 | .077 | .011 | | | | | 37.5 | | | | | | | | | | | | | * | .007 | .072 | .062 | .008 | * | | | | | | | | | | | | | | | | | * | .035 | .244 | .233 | .040 | .002 | | | | | | | | | | | | | | | | .002 | .090 | .438 | .437 | .114 | .007 | | | | | 32.5 | | | | | | | | | | | | | * | .001 | .001 | * | | | | | | | | | | | | | | | | | | | * | .005 | .006 | .001 | | | | | | | | | | | | | | | | | | .001 | .017 | .029 | .007 | | | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | .002 | .052 | .141 | .077 | .011 | | | | | 37.5 | | | | | | | | | | | | | * | .007 | .072 | .062 | .008 | * | | | | | | | | | | | | | | | | | * | .035 | .244 | .233 | .040 | .002 | | | | | | | | | | | | | | | | .002 | .090 | .438 | .437 | .114 | .007 | | | | | 32.5 | | | | | | | | | | | | | * | .001 | .001 | * | | | | | | | | | | | | | | | | | | | * | .005 | .006 | .001 | | | | | | | | | | | | | | | | | | .001 | .017 | .029 | .007 | | | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | * | .007 | .072 | .062 | .008 | * | | | | | | | | | | | | | | | | | * | .035 | .244 | .233 | .040 | .002 | | | | | | | | | | | | | | | | .002 | .090 | .438 | .437 | .114 | .007 | | | | | 32.5 | | | | | | | | | | | | | * | .001 | .001 | * | | | | | | | | | | | | | | | | | | | * | .005 | .006 | .001 | | | | | | | | | | | | | | | | | | .001 | .017 | .029 | .007 | | | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | * | .035 | .244 | .233 | .040 | .002 | | | | | | | | | | | | | | | | .002 | .090 | .438 | .437 | .114 | .007 | | | | | 32.5 | | | | | | | | | | | | | * | .001 | .001 | * | | | | | | | | | | | | | | | | | | | * | .005 | .006 | .001 | | | | | | | | | | | | | | | | | | .001 | .017 | .029 | .007 | | | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | .002 | .090 | .438 | .437 | .114 | .007 | | | | | 32.5 | | | | | | | | | | | | | * | .001 | .001 | * | | | | | | | | | | | | | | | | | | | * | .005 | .006 | .001 | | | | | | | | | | | | | | | | | | .001 | .017 | .029 | .007 | | | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | * | .001 | .001 | * | | | | | | | | | | | | | | | | | | | * | .005 | .006 | .001 | | | | | | | | | | | | | | | | | | .001 | .017 | .029 | .007 | | | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | * | .005 | .006 | .001 | | | | | | | | | | | | | | | | | | .001 | .017 | .029 | .007 | | | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | .001 | .017 | .029 | .007 | | | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3510 INITIAL POSITION = 37.5 N 047.5 W NUMBER OF OBS = 10

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|------|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|------|------|------|---|------|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|------|------|------|---|------|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|------|------|------|---|------|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|------|------|------|--|------|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|------|------|--|--|------|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|---|--|--|--|------|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|---|--|--|--|------|--|--|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42.5 | | | | | | | | | | | | | * | .003 | .010 | .016 | .012 | .004 | .001 | * | | | | | | | | | | | | | | | .002 | .013 | .044 | .069 | .031 | .019 | .003 | * | | | | | | | | | | | | | | | .005 | .037 | .110 | .160 | .119 | .046 | .009 | .001 | | 37.5 | | | | | | | | | | | | | * | .003 | .014 | .032 | .034 | .020 | .007 | .001 | * | | | | | | | | | | | | | .001 | .011 | .055 | .119 | .130 | .078 | .027 | .005 | .001 | | | | | | | | | | | | | .002 | .026 | .115 | .242 | .271 | .170 | .061 | .013 | .001 | | | 32.5 | | | | | | | | | | | | | * | * | .001 | .001 | * | * | | | | | | | | | | | | | | | | * | .002 | .004 | .005 | .003 | .002 | * | | | | | | | | | | | | | | | .001 | .005 | .014 | .018 | .014 | .007 | .002 | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | .002 | .013 | .044 | .069 | .031 | .019 | .003 | * | | | | | | | | | | | | | | | .005 | .037 | .110 | .160 | .119 | .046 | .009 | .001 | | 37.5 | | | | | | | | | | | | | * | .003 | .014 | .032 | .034 | .020 | .007 | .001 | * | | | | | | | | | | | | | .001 | .011 | .055 | .119 | .130 | .078 | .027 | .005 | .001 | | | | | | | | | | | | | .002 | .026 | .115 | .242 | .271 | .170 | .061 | .013 | .001 | | | 32.5 | | | | | | | | | | | | | * | * | .001 | .001 | * | * | | | | | | | | | | | | | | | | * | .002 | .004 | .005 | .003 | .002 | * | | | | | | | | | | | | | | | .001 | .005 | .014 | .018 | .014 | .007 | .002 | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | .005 | .037 | .110 | .160 | .119 | .046 | .009 | .001 | | 37.5 | | | | | | | | | | | | | * | .003 | .014 | .032 | .034 | .020 | .007 | .001 | * | | | | | | | | | | | | | .001 | .011 | .055 | .119 | .130 | .078 | .027 | .005 | .001 | | | | | | | | | | | | | .002 | .026 | .115 | .242 | .271 | .170 | .061 | .013 | .001 | | | 32.5 | | | | | | | | | | | | | * | * | .001 | .001 | * | * | | | | | | | | | | | | | | | | * | .002 | .004 | .005 | .003 | .002 | * | | | | | | | | | | | | | | | .001 | .005 | .014 | .018 | .014 | .007 | .002 | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | * | .003 | .014 | .032 | .034 | .020 | .007 | .001 | * | | | | | | | | | | | | | .001 | .011 | .055 | .119 | .130 | .078 | .027 | .005 | .001 | | | | | | | | | | | | | .002 | .026 | .115 | .242 | .271 | .170 | .061 | .013 | .001 | | | 32.5 | | | | | | | | | | | | | * | * | .001 | .001 | * | * | | | | | | | | | | | | | | | | * | .002 | .004 | .005 | .003 | .002 | * | | | | | | | | | | | | | | | .001 | .005 | .014 | .018 | .014 | .007 | .002 | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | .001 | .011 | .055 | .119 | .130 | .078 | .027 | .005 | .001 | | | | | | | | | | | | | .002 | .026 | .115 | .242 | .271 | .170 | .061 | .013 | .001 | | | 32.5 | | | | | | | | | | | | | * | * | .001 | .001 | * | * | | | | | | | | | | | | | | | | * | .002 | .004 | .005 | .003 | .002 | * | | | | | | | | | | | | | | | .001 | .005 | .014 | .018 | .014 | .007 | .002 | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | .002 | .026 | .115 | .242 | .271 | .170 | .061 | .013 | .001 | | | 32.5 | | | | | | | | | | | | | * | * | .001 | .001 | * | * | | | | | | | | | | | | | | | | * | .002 | .004 | .005 | .003 | .002 | * | | | | | | | | | | | | | | | .001 | .005 | .014 | .018 | .014 | .007 | .002 | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | * | * | .001 | .001 | * | * | | | | | | | | | | | | | | | | * | .002 | .004 | .005 | .003 | .002 | * | | | | | | | | | | | | | | | .001 | .005 | .014 | .018 | .014 | .007 | .002 | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | * | .002 | .004 | .005 | .003 | .002 | * | | | | | | | | | | | | | | | .001 | .005 | .014 | .018 | .014 | .007 | .002 | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | .001 | .005 | .014 | .018 | .014 | .007 | .002 | | | | | 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | | 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | | 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | | 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | | 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | | 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

5DEG ID = 3511 INITIAL POSITION = 37.5 N 052.5 W NUMBER OF OBS = 18

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | * | .002 | .017 | .036 | .026 | .007 | .001 | * | | | |
| | | | | | | | | | | * | .011 | .068 | .135 | .098 | .030 | .004 | * | | | |
| | | | | | | | | | | .002 | .031 | .155 | .275 | .203 | .069 | .012 | .001 | | | |
| 37.5 | | | | | | | | | | * | .007 | .023 | .020 | .005 | .001 | * | | | | |
| | | | | | | | | | | .002 | .028 | .087 | .079 | .024 | .003 | * | | | | |
| | | | | | | | | | | .006 | .064 | .182 | .176 | .066 | .010 | .001 | | | | |
| 32.5 | | | | | | | | | | * | .002 | .002 | * | * | | | | | | |
| | | | | | | | | | | .001 | .007 | .009 | .003 | * | | | | | | |
| | | | | | | | | | | .003 | .017 | .025 | .010 | .001 | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

5DEG ID = 3512 INITIAL POSITION = 37.5 N 057.5 W NUMBER OF OBS = 34

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | * | .001 | .016 | .042 | .028 | .005 | * | | | | |
| | | | | | | | | | | * | .007 | .065 | .156 | .106 | .023 | .002 | | | | |
| | | | | | | | | | | .001 | .020 | .149 | .315 | .223 | .058 | .006 | | | | |
| 37.5 | | | | | | | | | | * | .003 | .017 | .021 | .005 | * | | | | | |
| | | | | | | | | | | * | .011 | .067 | .082 | .024 | .002 | | | | | |
| | | | | | | | | | | .001 | .030 | .144 | .181 | .066 | .007 | | | | | |
| 32.5 | | | | | | | | | | .001 | .002 | .001 | * | | | | | | | |
| | | | | | | | | | | .002 | .008 | .004 | * | | | | | | | |
| | | | | | | | | | | .007 | .020 | .012 | .002 | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 3513 INITIAL POSITION = 37.5 N 062.5 W NUMBER OF OBS = 38

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | * | .001 | .014 | .037 | .026 | .006 | .001 | * | | | | | |
| | | | | | | | | | * | .006 | .060 | .137 | .097 | .026 | .003 | * | | | | | |
| | | | | | | | | | .001 | .021 | .145 | .277 | .197 | .061 | .009 | .001 | | | | | |
| 37.5 | | | | | | | | | * | .010 | .032 | .019 | .003 | * | | | | | | | |
| | | | | | | | | | .002 | .039 | .117 | .079 | .015 | .001 | | | | | | | |
| | | | | | | | | | .007 | .089 | .234 | .183 | .048 | .005 | | | | | | | |
| 32.5 | | | | | | | | | .001 | .003 | .002 | * | | | | | | | | | |
| | | | | | | | | | .003 | .014 | .010 | .001 | | | | | | | | | |
| | | | | | | | | | .007 | .032 | .030 | .006 | | | | | | | | | |
| 27.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .001 | .001 | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3514 INITIAL POSITION = 37.5 N 067.5 W NUMBER OF OBS = 34

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | * | .004 | .019 | .035 | .025 | .008 | .002 | * | | | | | |
| | | | | | | | | | .001 | .016 | .077 | .132 | .096 | .034 | .007 | .001 | | | | | |
| | | | | | | | | | .004 | .043 | .168 | .268 | .201 | .079 | .018 | .002 | | | | | |
| 37.5 | | | | | | | | | .001 | .008 | .018 | .013 | .003 | * | * | | | | | | |
| | | | | | | | | | .004 | .032 | .070 | .033 | .017 | .003 | * | | | | | | |
| | | | | | | | | | .011 | .070 | .149 | .126 | .047 | .009 | .001 | | | | | | |
| 32.5 | | | | | | | | | * | .001 | .001 | * | * | | | | | | | | |
| | | | | | | | | | .002 | .006 | .005 | .001 | * | | | | | | | | |
| | | | | | | | | | .005 | .015 | .015 | .005 | .001 | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 3515 INITIAL POSITION = 37.5 N 072.5 W NUMBER OF OBS = 34

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | * .003 | .020 | .036 | .021 | .005 | * | | | | | | | | | | |
| | | | | | | .001 | .015 | .079 | .134 | .082 | .020 | .002 | | | | | | | | | |
| | | | | | | .003 | .039 | .172 | .275 | .177 | .050 | .006 | | | | | | | | | |
| 37.5 | | | | | | * .004 | .015 | .014 | .004 | * | | | | | | | | | | | |
| | | | | | | .001 | .016 | .057 | .095 | .017 | .002 | | | | | | | | | | |
| | | | | | | .004 | .039 | .122 | .125 | .046 | .006 | | | | | | | | | | |
| 32.5 | | | | | | * .001 | .001 | .001 | * | | | | | | | | | | | | |
| | | | | | | * .003 | .007 | .003 | * | | | | | | | | | | | | |
| | | | | | | .001 | .008 | .017 | .010 | .002 | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3516 INITIAL POSITION = 37.5 N 077.5 W NUMBER OF OBS = 12

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | * .001 | .011 | .033 | .036 | .017 | .004 | * | * | | | | | | | | |
| | | | | | | * .005 | .046 | .126 | .135 | .065 | .016 | .002 | * | | | | | | | | |
| | | | | | | .001 | .016 | .108 | .260 | .273 | .140 | .039 | .006 | .001 | | | | | | | |
| 37.5 | | | | | | * .003 | .014 | .017 | .007 | .001 | * | | | | | | | | | | |
| | | | | | | .001 | .014 | .055 | .067 | .031 | .006 | .001 | | | | | | | | | |
| | | | | | | .003 | .033 | .117 | .151 | .082 | .021 | .003 | | | | | | | | | |
| 32.5 | | | | | | * .001 | .001 | * | * | | | | | | | | | | | | |
| | | | | | | * .003 | .004 | .002 | * | | | | | | | | | | | | |
| | | | | | | .001 | .007 | .012 | .006 | .001 | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 24 HOURS

SDEG ID = 4011 INITIAL POSITION = 42.5 N 052.5 W NUMBER OF OBS = 11

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|------|------|------|------|--|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | |
| 42.5 | | | | | | | | | | | | * .001 | .006 | .012 | .009 | .003 | .001 | * | | | | |
| | | | | | | | | | | | | .005 | .024 | .046 | .037 | .013 | .003 | * | | | | |
| | | | | | | | | | | | | .001 | .013 | .055 | .100 | .085 | .035 | .008 | .001 | | | |
| 37.5 | | | | | | | | | | | | * | .001 | .001 | .001 | * | | | | | | |
| | | | | | | | | | | | | .001 | .005 | .006 | .003 | * | | | | | | |
| | | | | | | | | | | | | .004 | .012 | .015 | .008 | .002 | | | | | | |
| 32.5 | | | | | | | | | | | | * | | | | | | | | | | |
| | | | | | | | | | | | | * | | | | | | | | | | |
| | | | | | | | | | | | | .001 | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 1006 INITIAL POSITION = 12.5 N 027.5 W NUMBER OF OBS = 15

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1007 INITIAL POSITION = 12.5 N 032.5 W NUMBER OF OBS = 13

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 1008 INITIAL POSITION = 12.5 N 037.5 W NUMBER OF OBS = 18

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | * | * | * | * | | | | | |
| | | | | | | | | | | | | | | .001 | .002 | .003 | .001 | | | | | |
| | | | | | | | | | | | | | | .009 | .012 | .003 | | | | | | |
| 17.5 | | | | | | | | | | | | | | * | .004 | .034 | .034 | .005 | * | | | |
| | | | | | | | | | | | | | | * | .020 | .135 | .130 | .020 | .001 | | | |
| | | | | | | | | | | | | | | .001 | .054 | .289 | .270 | .048 | .002 | | | |
| 12.5 | | | | | | | | | | | | | | * | .006 | .025 | .013 | .001 | | | | |
| | | | | | | | | | | | | | | .001 | .027 | .104 | .062 | .006 | | | | |
| | | | | | | | | | | | | | | .003 | .065 | .238 | .158 | .020 | | | | |
| 07.5 | | | | | | | | | | | | | | * | * | * | | | | | | |
| | | | | | | | | | | | | | | * | * | * | | | | | | |
| | | | | | | | | | | | | | | .001 | .003 | .001 | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1009 INITIAL POSITION = 12.5 N 042.5 W NUMBER OF OBS = 19

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | * | .003 | .003 | * | | | | | |
| | | | | | | | | | | | | | | .002 | .015 | .013 | .001 | | | | | |
| | | | | | | | | | | | | | | .007 | .044 | .039 | .005 | | | | | |
| 17.5 | | | | | | | | | | | | | | * | .005 | .047 | .043 | .004 | * | | | |
| | | | | | | | | | | | | | | * | .021 | .174 | .161 | .016 | * | | | |
| | | | | | | | | | | | | | | .001 | .033 | .348 | .327 | .043 | .001 | | | |
| 12.5 | | | | | | | | | | | | | | | .001 | .012 | .013 | .001 | | | | |
| | | | | | | | | | | | | | | | .005 | .055 | .055 | .006 | | | | |
| | | | | | | | | | | | | | | | .018 | .139 | .138 | .017 | | | | |
| 07.5 | | | | | | | | | | | | | | * | * | * | | | | | | |
| | | | | | | | | | | | | | | * | * | * | | | | | | |
| | | | | | | | | | | | | | | .001 | .002 | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 1010 INITIAL POSITION = 12.5 N 047.5 W NUMBER OF OBS = 22

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .001 | .001 | | | | | | | | | | | |
| 22.5 | | | | | | | | | * | .004 | .008 | .002 | * | | | | | | | | |
| | | | | | | | | | .001 | .016 | .034 | .012 | .001 | | | | | | | | |
| | | | | | | | | | .004 | .040 | .087 | .036 | .002 | | | | | | | | |
| 17.5 | | | | | | | | | * | .010 | .052 | .034 | .002 | | | | | | | | |
| | | | | | | | | | .002 | .043 | .190 | .130 | .011 | | | | | | | | |
| | | | | | | | | | .005 | .100 | .373 | .270 | .031 | | | | | | | | |
| 12.5 | | | | | | | | | * | .006 | .011 | .002 | * | | | | | | | | |
| | | | | | | | | | .003 | .030 | .047 | .009 | * | | | | | | | | |
| | | | | | | | | | .011 | .086 | .113 | .023 | .001 | | | | | | | | |
| 07.5 | | | | | | | | | | | * | * | | | | | | | | | |
| | | | | | | | | | | | .002 | .001 | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1011 INITIAL POSITION = 12.5 N 052.5 W NUMBER OF OBS = 14

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | * | .001 | * | | | | | | | | | | |
| | | | | | | | | | .001 | .005 | .002 | | | | | | | | | | |
| | | | | | | | | | .004 | .020 | .011 | | | | | | | | | | |
| 17.5 | | | | | | | | | * | .006 | .058 | .033 | .001 | | | | | | | | |
| | | | | | | | | | .001 | .027 | .211 | .131 | .006 | | | | | | | | |
| | | | | | | | | | .001 | .068 | .413 | .281 | .019 | | | | | | | | |
| 12.5 | | | | | | | | | | .001 | .014 | .012 | .001 | | | | | | | | |
| | | | | | | | | | | .006 | .067 | .057 | .003 | | | | | | | | |
| | | | | | | | | | | .021 | .180 | .149 | .012 | | | | | | | | |
| 07.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .001 | .001 | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 1012 INITIAL POSITION = 12.5 N 057.5 W NUMBER OF OBS = 19

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .001 | * | | | | | | | | | | | |
| | | | | | | | | | .004 | .001 | | | | | | | | | | | |
| 17.5 | | | | | | | | | .001 | .038 | .008 | * | | | | | | | | | |
| | | | | | | | | | .005 | .151 | .041 | * | | | | | | | | | |
| | | | | | | | | | .022 | .332 | .120 | .001 | | | | | | | | | |
| 12.5 | | | | | | | | | .001 | .063 | .013 | * | | | | | | | | | |
| | | | | | | | | | .006 | .238 | .064 | * | | | | | | | | | |
| | | | | | | | | | .028 | .475 | .175 | .001 | | | | | | | | | |
| 07.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .002 | * | | | | | | | | | | | |
| | | | | | | | | | .010 | .003 | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1013 INITIAL POSITION = 12.5 N 062.5 W NUMBER OF OBS = 26

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | * | .010 | .010 | * | | | | | | | | | |
| | | | | | | | | | .002 | .060 | .054 | .002 | | | | | | | | | |
| | | | | | | | | | .012 | .196 | .161 | .008 | | | | | | | | | |
| 12.5 | | | | | | | | | .004 | .052 | .023 | * | | | | | | | | | |
| | | | | | | | | | .018 | .211 | .112 | .003 | | | | | | | | | |
| | | | | | | | | | .051 | .443 | .282 | .012 | | | | | | | | | |
| 07.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .001 | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 1014 INITIAL POSITION = 12.5 N 067.5 W NUMBER OF OBS = 17

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1015 INITIAL POSITION = 12.5 N 072.5 W NUMBER OF OBS = 14

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 1016 INITIAL POSITION = 12.5 N 077.5 W NUMBER OF OBS = 17

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | * | * | * | * | | | | | | | | | | | |
| | | | | | | .001 | .002 | .002 | .002 | .002 | .006 | .001 | | | | | | | | |
| 17.5 | | | | | | * | .011 | .039 | .010 | * | | | | | | | | | | |
| | | | | | | .001 | .050 | .150 | .041 | .001 | | | | | | | | | | |
| | | | | | | .005 | .137 | .310 | .091 | .004 | | | | | | | | | | |
| 12.5 | | | | | | .002 | .036 | .025 | .001 | | | | | | | | | | | |
| | | | | | | .010 | .133 | .111 | .008 | | | | | | | | | | | |
| | | | | | | .029 | .268 | .263 | .030 | | | | | | | | | | | |
| 07.5 | | | | | | * | * | * | | | | | | | | | | | | |
| | | | | | | .001 | .003 | .003 | | | | | | | | | | | | |
| | | | | | | .003 | .012 | .003 | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1017 INITIAL POSITION = 12.5 N 082.5 W NUMBER OF OBS = 10

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | * | * | * | | | | | | | | | | | |
| | | | | | | | .001 | .004 | .001 | | | | | | | | | | | |
| | | | | | | | .009 | .018 | .003 | | | | | | | | | | | |
| 17.5 | | | | | | * | .009 | .084 | .024 | .001 | | | | | | | | | | |
| | | | | | | * | .054 | .284 | .092 | .003 | | | | | | | | | | |
| | | | | | | .002 | .166 | .503 | .188 | .010 | | | | | | | | | | |
| 12.5 | | | | | | .001 | .014 | .002 | * | | | | | | | | | | | |
| | | | | | | .006 | .065 | .022 | * | | | | | | | | | | | |
| | | | | | | .017 | .153 | .106 | .004 | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 1507 INITIAL POSITION = 17.5 N 032.5 W NUMBER OF OBS = 14

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | * | * | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1508 INITIAL POSITION = 17.5 N 037.5 W NUMBER OF OBS = 21

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | * | * | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 1509 INITIAL POSITION = 17.5 N 042.5 W NUMBER OF OBS = 29

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | * | * | | | | | | | | |
| | | | | | | | | | | | | | .001 | .001 | | | | | | | | |
| 27.5 | | | | | | | | | | | | * | .001 | .005 | .005 | .001 | | | | | | |
| | | | | | | | | | | | | * | .005 | .024 | .021 | .003 | | | | | | |
| | | | | | | | | | | | | .001 | .014 | .062 | .052 | .009 | | | | | | |
| 22.5 | | | | | | | | | | | | * | .011 | .048 | .027 | .002 | * | | | | | |
| | | | | | | | | | | | | .002 | .047 | .178 | .103 | .010 | * | | | | | |
| | | | | | | | | | | | | .005 | .110 | .337 | .217 | .026 | .001 | | | | | |
| 17.5 | | | | | | | | | | | | * | .008 | .020 | .006 | * | | | | | | |
| | | | | | | | | | | | | .001 | .032 | .083 | .029 | .002 | * | | | | | |
| | | | | | | | | | | | | .005 | .076 | .187 | .078 | .006 | .002 | | | | | |
| 12.5 | | | | | | | | | | | | * | * | * | * | * | | | | | | |
| | | | | | | | | | | | | .001 | .002 | * | * | * | | | | | | |
| | | | | | | | | | | | | .004 | .006 | .001 | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1510 INITIAL POSITION = 17.5 N 047.5 W NUMBER OF OBS = 46

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | * | * | * | | | | | | | |
| | | | | | | | | | | | | .001 | .002 | .001 | | | | | | | | |
| 27.5 | | | | | | | | | | | | * | .004 | .010 | .002 | * | | | | | | |
| | | | | | | | | | | | | .001 | .018 | .042 | .009 | * | | | | | | |
| | | | | | | | | | | | | .002 | .050 | .099 | .024 | .001 | | | | | | |
| 22.5 | | | | | | | | | | | | .001 | .037 | .050 | .004 | * | | | | | | |
| | | | | | | | | | | | | .007 | .142 | .187 | .018 | * | | | | | | |
| | | | | | | | | | | | | .022 | .299 | .372 | .051 | .001 | | | | | | |
| 17.5 | | | | | | | | | | | | .001 | .017 | .009 | * | | | | | | | |
| | | | | | | | | | | | | .005 | .067 | .044 | .002 | * | | | | | | |
| | | | | | | | | | | | | .016 | .153 | .116 | .007 | .002 | | | | | | |
| 12.5 | | | | | | | | | | | | * | * | * | * | * | | | | | | |
| | | | | | | | | | | | | .001 | .005 | .002 | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

BDEG ID = 1511 INITIAL POSITION = 17.5 N 052.5 W NUMBER OF OBS = 55

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

BDEG ID = 1512 INITIAL POSITION = 17.5 N 057.5 W NUMBER OF OBS = 66

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 1513 INITIAL POSITION = 17.5 N 062.5 W NUMBER OF OBS = 60

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | * | .002 | .001 | | | | | | | | | | |
| | | | | | | | | | .002 | .012 | .003 | | | | | | | | | | |
| | | | | | | | | | .011 | .038 | .010 | | | | | | | | | | |
| 22.5 | | | | | | | | | * | .037 | .052 | .002 | | | | | | | | | |
| | | | | | | | | | .004 | .152 | .188 | .011 | | | | | | | | | |
| | | | | | | | | | .017 | .336 | .364 | .035 | | | | | | | | | |
| 17.5 | | | | | | | | | .003 | .030 | .005 | * | | | | | | | | | |
| | | | | | | | | | .013 | .120 | .029 | * | | | | | | | | | |
| | | | | | | | | | .039 | .258 | .101 | .002 | | | | | | | | | |
| 12.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .002 | .001 | | | | | | | | | | | |
| .002 | | | | | | | | | .002 | .004 | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 1514 INITIAL POSITION = 17.5 N 067.5 W NUMBER OF OBS = 49

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | * | .001 | .002 | * | | | | | | | | | |
| | | | | | | | | | .003 | .008 | .009 | .001 | | | | | | | | | |
| | | | | | | | | | .003 | .029 | .024 | .002 | | | | | | | | | |
| 22.5 | | | | | | | | | * | .016 | .061 | .008 | * | | | | | | | | |
| | | | | | | | | | .001 | .077 | .216 | .037 | .001 | | | | | | | | |
| | | | | | | | | | .005 | .201 | .403 | .091 | .002 | | | | | | | | |
| 17.5 | | | | | | | | | .002 | .034 | .008 | * | | | | | | | | | |
| | | | | | | | | | .011 | .127 | .046 | .001 | | | | | | | | | |
| | | | | | | | | | .033 | .255 | .146 | .005 | | | | | | | | | |
| 12.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .001 | .001 | | | | | | | | | | | |
| | | | | | | | | | .004 | .007 | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

50EG ID = 1515 INITIAL POSITION = 17.5 N 072.5 W NUMBER OF OBS = 33

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .001 | .001 | | | | | | | | | | | |
| 22.5 | | | | | | | | | .001 | .022 | .015 | * | | | | | | | | | |
| | | | | | | | | | .009 | .100 | .070 | .003 | | | | | | | | | |
| | | | | | | | | | .030 | .248 | .181 | .011 | | | | | | | | | |
| 17.5 | | | | | | | | | .004 | .045 | .028 | .001 | | | | | | | | | |
| | | | | | | | | | .017 | .179 | .118 | .005 | | | | | | | | | |
| | | | | | | | | | .051 | .383 | .272 | .017 | | | | | | | | | |
| 12.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | .003 | .002 | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

50EG ID = 1516 INITIAL POSITION = 17.5 N 077.5 W NUMBER OF OBS = 45

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | * | .002 | .001 | * | | | | | | | | | |
| | | | | | | | | | .002 | .009 | .007 | .001 | | | | | | | | | |
| | | | | | | | | | .008 | .030 | .020 | .003 | | | | | | | | | |
| 22.5 | | | | | | | | | .001 | .022 | .048 | .013 | .001 | | | | | | | | |
| | | | | | | | | | .005 | .091 | .177 | .050 | .003 | | | | | | | | |
| | | | | | | | | | .018 | .210 | .347 | .111 | .008 | | | | | | | | |
| 17.5 | | | | | | | | | * | .004 | .027 | .014 | .001 | | | | | | | | |
| | | | | | | | | | * | .018 | .103 | .063 | .005 | | | | | | | | |
| | | | | | | | | | .001 | .044 | .217 | .164 | .021 | | | | | | | | |
| 12.5 | | | | | | | | | * | * | * | | | | | | | | | | |
| | | | | | | | | | .001 | .002 | * | | | | | | | | | | |
| | | | | | | | | | .004 | .007 | .001 | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

5DEG ID = 1517 INITIAL POSITION = 17.5 N 082.5 W NUMBER OF OBS = 50

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | * | | | | | | | | | | | |
| | | | | | | | | | | • | | | | | | | | | | | |
| | | | | | | | | | | .001 | | | | | | | | | | | |
| 27.5 | | | | | | | | | | * | .003 | .005 | .002 | * | | | | | | | |
| | | | | | | | | | | .001 | .015 | .024 | .007 | * | | | | | | | |
| | | | | | | | | | | .006 | .045 | .060 | .018 | .001 | | | | | | | |
| 22.5 | | | | | | | | | | * | .011 | .053 | .029 | .003 | * | | | | | | |
| | | | | | | | | | | .001 | .048 | .194 | .112 | .012 | * | | | | | | |
| | | | | | | | | | | .005 | .118 | .379 | .230 | .031 | .001 | | | | | | |
| 17.5 | | | | | | | | | | .001 | .013 | .014 | .002 | * | | | | | | | |
| | | | | | | | | | | .004 | .051 | .063 | .010 | * | | | | | | | |
| | | | | | | | | | | .011 | .111 | .157 | .037 | .002 | | | | | | | |
| 12.5 | | | | | | | | | | * | * | * | | | | | | | | | |
| | | | | | | | | | | .001 | .004 | .002 | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

5DEG ID = 1518 INITIAL POSITION = 17.5 N 087.5 W NUMBER OF OBS = 24

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | * | * | * | | | | | | | | | |
| | | | | | | | | | | .001 | .001 | .001 | | | | | | | | | |
| | | | | | | | | | | .001 | .006 | .006 | .001 | * | | | | | | | |
| 27.5 | | | | | | | | | | .004 | .026 | .025 | .005 | * | | | | | | | |
| | | | | | | | | | | .014 | .066 | .058 | .012 | .001 | | | | | | | |
| 22.5 | | | | | | | | | | • | .014 | .046 | .018 | .001 | | | | | | | |
| | | | | | | | | | | .002 | .058 | .170 | .072 | .005 | | | | | | | |
| | | | | | | | | | | .008 | .137 | .339 | .158 | .015 | | | | | | | |
| 17.5 | | | | | | | | | | .001 | .017 | .020 | .002 | * | | | | | | | |
| | | | | | | | | | | .005 | .066 | .081 | .012 | * | | | | | | | |
| | | | | | | | | | | .015 | .142 | .185 | .039 | .001 | | | | | | | |
| 12.5 | | | | | | | | | | • | .001 | * | | | | | | | | | |
| | | | | | | | | | | .001 | .004 | .002 | | | | | | | | | |
| | | | | | | | | | | .003 | .013 | .007 | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

5DEG ID = 2010 INITIAL POSITION = 22.5 N 047.5 W NUMBER OF OBS = 14

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | * | * | .001 | .001 | * | * | | | | |
| | | | | | | | | | | | .001 | .002 | .003 | .003 | .001 | .001 | | | | |
| | | | | | | | | | | | .002 | .005 | .007 | .007 | .004 | .001 | | | | |
| 37.5 | | | | | | | | | * | .001 | .003 | .006 | .008 | .005 | .002 | .001 | * | | | |
| | | | | | | | | | * | .002 | .011 | .025 | .030 | .022 | .010 | .003 | .001 | | | |
| | | | | | | | | | .001 | .007 | .027 | .058 | .068 | .049 | .022 | .007 | .001 | | | |
| 32.5 | | | | | | | | | .001 | .004 | .013 | .022 | .018 | .009 | .003 | .001 | * | | | |
| | | | | | | | | | .002 | .017 | .053 | .083 | .070 | .035 | .011 | .002 | * | | | |
| | | | | | | | | | .006 | .040 | .116 | .175 | .149 | .077 | .026 | .006 | .001 | | | |
| 27.5 | | | | | | | | * | .001 | .007 | .014 | .013 | .007 | .002 | * | * | | | | |
| | | | | | | | | * | .006 | .027 | .053 | .052 | .027 | .009 | .002 | * | | | | |
| | | | | | | | | .001 | .013 | .058 | .115 | .115 | .065 | .023 | .005 | .001 | | | | |
| 22.5 | | | | | | | | * | .001 | .002 | .002 | .001 | * | * | * | | | | | |
| | | | | | | | | * | .003 | .008 | .009 | .005 | .001 | * | * | | | | | |
| | | | | | | | | .001 | .007 | .019 | .023 | .013 | .005 | .001 | .001 | | | | | |
| 17.5 | | | | | | | | * | * | * | * | * | * | * | * | | | | | |
| | | | | | | | | .001 | .001 | .001 | .001 | .001 | .001 | .001 | .001 | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

5DEG ID = 2011 INITIAL POSITION = 22.5 N 052.5 W NUMBER OF OBS = 34

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | * | * | * | * | | | | | | |
| | | | | | | | | | | | .001 | .001 | .001 | .001 | | | | | | |
| | | | | | | | | | | | .001 | .003 | .003 | .002 | | | | | | |
| 37.5 | | | | | | | | | | * | .002 | .004 | .003 | .001 | * | | | | | |
| | | | | | | | | | | .002 | .010 | .018 | .013 | .004 | .001 | | | | | |
| | | | | | | | | | | .005 | .025 | .043 | .029 | .009 | .001 | | | | | |
| 32.5 | | | | | | | | | * | .005 | .019 | .020 | .007 | .001 | * | | | | | |
| | | | | | | | | | .002 | .021 | .073 | .076 | .027 | .004 | * | | | | | |
| | | | | | | | | | .005 | .053 | .159 | .159 | .061 | .010 | .001 | | | | | |
| 27.5 | | | | | | | | * | .002 | .016 | .029 | .013 | .002 | * | | | | | | |
| | | | | | | | | * | .008 | .062 | .112 | .054 | .008 | * | | | | | | |
| | | | | | | | | .001 | .020 | .135 | .232 | .123 | .023 | .002 | | | | | | |
| 22.5 | | | | | | | | * | .002 | .009 | .006 | .001 | * | * | | | | | | |
| | | | | | | | | * | .008 | .035 | .028 | .005 | * | * | | | | | | |
| | | | | | | | | .001 | .021 | .077 | .068 | .016 | .001 | .001 | | | | | | |
| 17.5 | | | | | | | | * | .001 | * | * | * | * | * | | | | | | |
| | | | | | | | | .002 | .003 | .001 | .001 | .001 | .001 | .001 | | | | | | |
| | | | | | | | | .004 | .008 | .003 | .003 | .003 | .003 | .003 | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

5DEG ID = 2012 INITIAL POSITION = 22.5 N 057.5 W NUMBER OF OBS = 46

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

5DEG ID = 2013 INITIAL POSITION = 22.5 N 062.5 W NUMBER OF OBS = 71

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | | | | | | | | | | | | | | | | |
| 27.5 | | | | | | | | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 2014 INITIAL POSITION = 22.5 N 067.5 W NUMBER OF OBS = 79

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | * | * | * | * | | | | | | | | | | |
| | | | | | | | | * | .001 | .001 | * | | | | | | | | | | |
| | | | | | | | | .002 | .005 | .003 | .001 | | | | | | | | | | |
| 32.5 | | | | | | * | .001 | .008 | .014 | .005 | .001 | | | | | | | | | | |
| | | | | | | * | .005 | .036 | .055 | .021 | .002 | | | | | | | | | | |
| | | | | | | .001 | .017 | .093 | .123 | .047 | .006 | | | | | | | | | | |
| 27.5 | | | | | | * | .014 | .048 | .029 | .004 | * | | | | | | | | | | |
| | | | | | | .003 | .056 | .176 | .110 | .017 | .001 | | | | | | | | | | |
| | | | | | | .009 | .128 | .347 | .234 | .044 | .003 | | | | | | | | | | |
| 22.5 | | | | | | .001 | .008 | .009 | .001 | * | | | | | | | | | | | |
| | | | | | | .004 | .033 | .039 | .008 | * | | | | | | | | | | | |
| | | | | | | .011 | .076 | .099 | .028 | .002 | | | | | | | | | | | |
| 17.5 | | | | | | * | * | * | | | | | | | | | | | | | |
| | | | | | | * | .001 | * | | | | | | | | | | | | | |
| | | | | | | .001 | .003 | .001 | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2015 INITIAL POSITION = 22.5 N 072.5 W NUMBER OF OBS = 66

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | * | * | * | | | | | | | | | | | |
| | | | | | | | | * | * | * | | | | | | | | | | | |
| | | | | | | | | .001 | .002 | .001 | | | | | | | | | | | |
| 32.5 | | | | | | * | .003 | .010 | .006 | .001 | | | | | | | | | | | |
| | | | | | | .001 | .015 | .041 | .022 | .003 | | | | | | | | | | | |
| | | | | | | .004 | .048 | .099 | .049 | .008 | | | | | | | | | | | |
| 27.5 | | | | | | * | .009 | .053 | .033 | .003 | * | | | | | | | | | | |
| | | | | | | .001 | .042 | .191 | .124 | .016 | .001 | | | | | | | | | | |
| | | | | | | .004 | .108 | .368 | .258 | .046 | .002 | | | | | | | | | | |
| 22.5 | | | | | | .001 | .014 | .009 | .001 | * | | | | | | | | | | | |
| | | | | | | .006 | .053 | .045 | .005 | * | | | | | | | | | | | |
| | | | | | | .015 | .112 | .121 | .021 | .001 | | | | | | | | | | | |
| 17.5 | | | | | | * | * | * | | | | | | | | | | | | | |
| | | | | | | .001 | .001 | * | | | | | | | | | | | | | |
| | | | | | | .002 | .005 | .001 | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

5DEC ID = 2016 INITIAL POSITION = 22.5 N 077.5 W NUMBER OF OBS = 39

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| 32.5 | | | | | | * | * | .002 | .002 | * | | | | | | | | | | | |
| | | | | | | * | .002 | .011 | .008 | .001 | | | | | | | | | | | |
| | | | | | | .001 | .012 | .037 | .022 | .004 | | | | | | | | | | | |
| 27.5 | | | | | * | .006 | .049 | .043 | .006 | * | | | | | | | | | | | |
| | | | | | * | .030 | .184 | .153 | .026 | .001 | | | | | | | | | | | |
| | | | | | .002 | .092 | .365 | .291 | .063 | .004 | | | | | | | | | | | |
| 22.5 | | | | | .002 | .019 | .012 | .001 | * | | | | | | | | | | | | |
| | | | | | .007 | .070 | .060 | .007 | * | | | | | | | | | | | | |
| | | | | | .020 | .144 | .167 | .033 | .001 | | | | | | | | | | | | |
| 17.5 | | | | | * | * | | | | | | | | | | | | | | | |
| | | | | | .001 | .001 | | | | | | | | | | | | | | | |
| | | | | | .003 | .004 | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

5DEC ID = 2017 INITIAL POSITION = 22.5 N 082.5 W NUMBER OF OBS = 52

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | * | * | * | | | | | | | | | | | | |
| | | | | | | | .001 | .001 | .001 | | | | | | | | | | | | |
| 32.5 | | | | | * | .002 | .008 | .007 | .001 | * | | | | | | | | | | | |
| | | | | | .001 | .012 | .037 | .027 | .006 | * | | | | | | | | | | | |
| | | | | | .003 | .040 | .095 | .061 | .014 | .001 | | | | | | | | | | | |
| 27.5 | | | | | * | .008 | .046 | .041 | .008 | * | | | | | | | | | | | |
| | | | | | .001 | .036 | .169 | .151 | .035 | .003 | | | | | | | | | | | |
| | | | | | .004 | .091 | .332 | .302 | .085 | .008 | | | | | | | | | | | |
| 22.5 | | | | | .001 | .010 | .008 | .001 | * | | | | | | | | | | | | |
| | | | | | .005 | .037 | .040 | .008 | * | | | | | | | | | | | | |
| | | | | | .012 | .082 | .108 | .031 | .002 | | | | | | | | | | | | |
| 17.5 | | | | | * | * | * | | | | | | | | | | | | | | |
| | | | | | .001 | .001 | * | | | | | | | | | | | | | | |
| | | | | | .001 | .003 | .001 | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 2018 INITIAL POSITION = 22.5 N 087.5 W NUMBER OF OBS = 51

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | * | .001 | .001 | * | | | | | | | | | | | | | | |
| | | | | .001 | .004 | .004 | .001 | | | | | | | | | | | | | | |
| | | | | .004 | .012 | .009 | .002 | | | | | | | | | | | | | | |
| 32.5 | | | | .001 | .007 | .013 | .005 | .001 | | | | | | | | | | | | | |
| | | | | .004 | .032 | .053 | .021 | .002 | | | | | | | | | | | | | |
| | | | | .012 | .077 | .115 | .048 | .006 | | | | | | | | | | | | | |
| 27.5 | | * | .007 | .035 | .026 | .004 | * | | | | | | | | | | | | | | |
| | | .001 | .029 | .131 | .102 | .016 | .001 | | | | | | | | | | | | | | |
| | | .003 | .073 | .269 | .215 | .043 | .002 | | | | | | | | | | | | | | |
| 22.5 | | * | .010 | .021 | .005 | * | | | | | | | | | | | | | | | |
| | | .002 | .039 | .082 | .025 | .001 | | | | | | | | | | | | | | | |
| | | .007 | .088 | .176 | .066 | .005 | | | | | | | | | | | | | | | |
| 17.5 | | * | .002 | .001 | * | | | | | | | | | | | | | | | | |
| | | .001 | .007 | .006 | .001 | | | | | | | | | | | | | | | | |
| | | .002 | .018 | .017 | .002 | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2019 INITIAL POSITION = 22.5 N 092.5 W NUMBER OF OBS = 36

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | | | | | | | | | |
| 37.5 | | | | * | * | * | | | | | | | | | | | | | | | |
| | | | | .001 | .001 | .001 | | | | | | | | | | | | | | | |
| | | | | .001 | .002 | .002 | | | | | | | | | | | | | | | |
| 32.5 | | * | .001 | .006 | .007 | .003 | * | | | | | | | | | | | | | | |
| | | .001 | .006 | .025 | .029 | .012 | .002 | | | | | | | | | | | | | | |
| | | .001 | .019 | .063 | .069 | .028 | .005 | | | | | | | | | | | | | | |
| 27.5 | | * | .002 | .020 | .040 | .021 | .004 | * | | | | | | | | | | | | | |
| | | .001 | .010 | .080 | .147 | .079 | .015 | .001 | | | | | | | | | | | | | |
| | | .001 | .029 | .176 | .296 | .168 | .037 | .004 | | | | | | | | | | | | | |
| 22.5 | | * | .006 | .017 | .011 | .002 | * | | | | | | | | | | | | | | |
| | | .001 | .022 | .068 | .047 | .009 | .001 | | | | | | | | | | | | | | |
| | | .004 | .050 | .146 | .117 | .030 | .003 | | | | | | | | | | | | | | |
| 17.5 | | * | .001 | * | * | | | | | | | | | | | | | | | | |
| | | .001 | .003 | .003 | * | | | | | | | | | | | | | | | | |
| | | .001 | .008 | .009 | .002 | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 2509 INITIAL POSITION = 27.5 N 042.5 W NUMBER OF OBS = 14

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | * | * | .001 | .002 | .003 | .002 | .001 | .001 |
| | | | | | | | | | | | | | * | .002 | .006 | .010 | .011 | .008 | .005 | .002 |
| | | | | | | | | | | | | | .001 | .006 | .015 | .024 | .025 | .019 | .011 | .005 |
| 37.5 | | | | | | | | | | | | * | .002 | .006 | .010 | .010 | .007 | .003 | .001 | * |
| | | | | | | | | | | | | .001 | .007 | .024 | .040 | .040 | .027 | .013 | .005 | .002 |
| | | | | | | | | | | | | .003 | .019 | .055 | .088 | .086 | .057 | .029 | .012 | .004 |
| 32.5 | | | | | | | | | | | * | .002 | .010 | .017 | .014 | .007 | .002 | .001 | * | * |
| | | | | | | | | | | | .001 | .010 | .038 | .064 | .055 | .028 | .010 | .003 | .001 | * |
| | | | | | | | | | | | .003 | .024 | .085 | .136 | .117 | .063 | .024 | .007 | .002 | .001 |
| 27.5 | | | | | | | | | | * | .001 | .007 | .013 | .008 | .003 | .001 | * | * | * | * |
| | | | | | | | | | | * | .005 | .027 | .048 | .034 | .012 | .003 | * | * | * | * |
| | | | | | | | | | | .001 | .013 | .060 | .102 | .078 | .031 | .008 | .001 | | | |
| 22.5 | | | | | | | | | | * | .002 | .005 | .003 | .001 | * | * | * | * | * | * |
| | | | | | | | | | | .001 | .009 | .019 | .012 | .003 | * | * | * | * | * | * |
| | | | | | | | | | | .002 | .019 | .040 | .029 | .009 | .001 | | | | | |
| 17.5 | | | | | | | | | | * | .001 | .001 | * | * | * | * | * | * | * | * |
| | | | | | | | | | | .001 | .004 | .002 | * | * | * | * | * | * | * | * |
| | | | | | | | | | | .003 | .008 | .007 | .002 | | | | | | | |
| 12.5 | | | | | | | | | | * | * | * | * | * | * | * | * | * | * | * |
| | | | | | | | | | | .001 | .001 | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2510 INITIAL POSITION = 27.5 N 047.5 W NUMBER OF OBS = 12

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | * | * | * | * | * | * | * | * | * |
| | | | | | | | | | | | | .001 | .002 | .002 | .001 | * | * | * | * | * |
| | | | | | | | | | | | | .002 | .005 | .006 | .003 | .001 | | | | |
| 37.5 | | | | | | | | | | * | .001 | .004 | .008 | .009 | .004 | .001 | * | * | * | * |
| | | | | | | | | | | * | .003 | .016 | .035 | .036 | .018 | .004 | .001 | * | * | * |
| | | | | | | | | | | .001 | .009 | .039 | .081 | .083 | .042 | .011 | .001 | | | |
| 32.5 | | | | | | | | | | * | .003 | .015 | .029 | .026 | .011 | .002 | * | * | * | * |
| | | | | | | | | | | .001 | .013 | .058 | .112 | .100 | .042 | .009 | .001 | * | * | * |
| | | | | | | | | | | .003 | .031 | .126 | .234 | .209 | .093 | .021 | .002 | | | |
| 27.5 | | | | | | | | | | * | .002 | .007 | .012 | .008 | .003 | * | * | * | * | * |
| | | | | | | | | | | .001 | .008 | .029 | .047 | .035 | .012 | .002 | * | * | * | * |
| | | | | | | | | | | .002 | .019 | .068 | .109 | .083 | .031 | .006 | .001 | | | |
| 22.5 | | | | | | | | | | * | * | * | * | * | * | * | * | * | * | * |
| | | | | | | | | | | .001 | .002 | .002 | .001 | * | * | * | * | * | * | * |
| | | | | | | | | | | .002 | .005 | .006 | .004 | .001 | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

50EG ID = 2511 INITIAL POSITION = 27.5 N 052.5 W NUMBER OF OBS = 29

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | * | .002 | .005 | .007 | .004 | .002 | * | * | | | | |
| | | | | | | | | | | .001 | .008 | .021 | .026 | .018 | .007 | .002 | * | | | | |
| | | | | | | | | | | .004 | .021 | .049 | .059 | .039 | .016 | .004 | .001 | | | | |
| 37.5 | | | | | | | | | | * | .003 | .014 | .023 | .017 | .006 | .001 | * | | | | |
| | | | | | | | | | | .001 | .014 | .056 | .088 | .064 | .024 | .005 | .001 | | | | |
| | | | | | | | | | | .004 | .036 | .124 | .186 | .136 | .055 | .013 | .002 | | | | |
| 32.5 | | | | | | | | | | * | .001 | .010 | .021 | .017 | .005 | .001 | * | | | | |
| | | | | | | | | | | .006 | .038 | .081 | .066 | .023 | .004 | * | | | | | |
| | | | | | | | | | | .001 | .015 | .084 | .171 | .144 | .058 | .012 | .002 | | | | |
| 27.5 | | | | | | | | | | * | .001 | .005 | .005 | .001 | * | | | | | | |
| | | | | | | | | | | .006 | .020 | .020 | .007 | .001 | | | | | | | |
| | | | | | | | | | | .001 | .014 | .044 | .048 | .019 | .004 | | | | | | |
| 22.5 | | | | | | | | | | * | * | * | | | | | | | | | |
| | | | | | | | | | | .001 | .002 | .001 | | | | | | | | | |
| | | | | | | | | | | .003 | .005 | .002 | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

50EG ID = 2512 INITIAL POSITION = 27.5 N 057.5 W NUMBER OF OBS = 28

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | * | .001 | .003 | .005 | .006 | .005 | .002 | .001 | * | * | | |
| | | | | | | | | | | .001 | .004 | .012 | .022 | .025 | .019 | .010 | .004 | .001 | * | | |
| | | | | | | | | | | .002 | .009 | .028 | .050 | .057 | .042 | .022 | .008 | .002 | .001 | | |
| 37.5 | | | | | | | | | | * | .001 | .004 | .010 | .015 | .013 | .007 | .002 | .001 | * | | |
| | | | | | | | | | | .003 | .016 | .041 | .059 | .050 | .027 | .010 | .003 | .001 | * | | |
| | | | | | | | | | | .001 | .008 | .038 | .092 | .128 | .108 | .060 | .023 | .006 | .001 | | |
| 32.5 | | | | | | | | | | * | .002 | .007 | .015 | .014 | .008 | .003 | .001 | * | | | |
| | | | | | | | | | | .001 | .007 | .030 | .057 | .056 | .032 | .012 | .003 | * | | | |
| | | | | | | | | | | .002 | .018 | .066 | .122 | .123 | .073 | .028 | .007 | .001 | | | |
| 27.5 | | | | | | | | | | * | .002 | .005 | .007 | .004 | .001 | * | * | | | | |
| | | | | | | | | | | .001 | .007 | .021 | .026 | .017 | .006 | .001 | * | | | | |
| | | | | | | | | | | .003 | .017 | .046 | .059 | .040 | .015 | .004 | .001 | | | | |
| 22.5 | | | | | | | | | | * | .001 | .001 | .001 | * | * | | | | | | |
| | | | | | | | | | | .003 | .005 | .004 | .001 | * | * | | | | | | |
| | | | | | | | | | | .001 | .006 | .011 | .009 | .004 | .001 | | | | | | |
| 17.5 | | | | | | | | | | * | * | * | | | | | | | | | |
| | | | | | | | | | | .001 | .001 | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER
 TIME INTERVAL - 48 HOURS

SDEG ID = 2513 INITIAL POSITION = 27.5 N 062.5 W NUMBER OF OBS = 95

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | * | * | .001 | .002 | .002 | .001 | * | | | | | | | |
| | | | | | | | | * | .001 | .006 | .009 | .007 | .003 | .001 | | | | | | | |
| | | | | | | | | .001 | .005 | .016 | .024 | .018 | .008 | .002 | | | | | | | |
| 37.5 | | | | | | | * | .001 | .007 | .017 | .017 | .008 | .002 | * | | | | | | | |
| | | | | | | | * | .004 | .028 | .066 | .065 | .031 | .008 | .001 | | | | | | | |
| | | | | | | | .001 | .013 | .068 | .144 | .138 | .067 | .018 | .003 | | | | | | | |
| 32.5 | | | | | | | * | .006 | .022 | .028 | .014 | .003 | * | | | | | | | | |
| | | | | | | | .002 | .023 | .085 | .108 | .056 | .014 | .002 | | | | | | | | |
| | | | | | | | .006 | .055 | .178 | .224 | .126 | .035 | .005 | | | | | | | | |
| 27.5 | | | | | | | .001 | .005 | .009 | .005 | .001 | * | | | | | | | | | |
| | | | | | | | .003 | .019 | .035 | .020 | .005 | .001 | | | | | | | | | |
| | | | | | | | .008 | .043 | .079 | .052 | .015 | .002 | | | | | | | | | |
| 22.5 | | | | | | | * | * | * | * | | | | | | | | | | | |
| | | | | | | | .001 | .002 | .001 | * | | | | | | | | | | | |
| | | | | | | | .002 | .006 | .005 | .001 | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2514 INITIAL POSITION = 27.5 N 067.5 W NUMBER OF OBS = 70

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | * | * | .001 | .001 | .001 | * | * | | | | | | | |
| | | | | | | | | * | .002 | .005 | .006 | .004 | .002 | * | | | | | | | |
| | | | | | | | | .001 | .007 | .014 | .016 | .010 | .004 | .001 | | | | | | | |
| 37.5 | | | | | | | * | .004 | .012 | .017 | .011 | .004 | .001 | * | | | | | | | |
| | | | | | | | .002 | .017 | .051 | .066 | .044 | .018 | .005 | .001 | | | | | | | |
| | | | | | | | .007 | .046 | .116 | .140 | .093 | .038 | .010 | .002 | | | | | | | |
| 32.5 | | | | | | | * | .006 | .022 | .027 | .015 | .004 | .001 | * | | | | | | | |
| | | | | | | | .002 | .024 | .082 | .104 | .060 | .019 | .004 | .001 | | | | | | | |
| | | | | | | | .007 | .058 | .171 | .214 | .134 | .048 | .011 | .002 | | | | | | | |
| 27.5 | | | | | | | * | .002 | .007 | .007 | .003 | * | * | | | | | | | | |
| | | | | | | | * | .006 | .026 | .031 | .014 | .003 | * | | | | | | | | |
| | | | | | | | .001 | .015 | .057 | .073 | .039 | .010 | .002 | | | | | | | | |
| 22.5 | | | | | | | * | * | * | * | | | | | | | | | | | |
| | | | | | | | .001 | .002 | .002 | .001 | | | | | | | | | | | |
| | | | | | | | .001 | .005 | .006 | .003 | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 2515 INITIAL POSITION = 27.5 N 072.5 W NUMBER OF OBS = 69

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | * | .001 | .002 | .004 | .004 | .002 | .001 | * | | | | | | | | |
| | | | | | | * | .003 | .010 | .018 | .017 | .009 | .003 | .001 | | | | | | | | |
| | | | | | | .001 | .008 | .026 | .042 | .038 | .020 | .007 | .002 | | | | | | | | |
| 37.5 | | | | | * | .001 | .006 | .015 | .017 | .010 | .003 | .001 | * | | | | | | | | |
| | | | | | * | .004 | .023 | .057 | .066 | .039 | .013 | .003 | * | | | | | | | | |
| | | | | | .001 | .011 | .055 | .125 | .140 | .084 | .030 | .007 | .001 | | | | | | | | |
| 32.5 | | | | | * | .003 | .014 | .022 | .015 | .005 | .001 | * | | | | | | | | | |
| | | | | | .001 | .014 | .055 | .085 | .058 | .019 | .004 | * | | | | | | | | | |
| | | | | | .003 | .033 | .119 | .180 | .127 | .047 | .010 | .001 | | | | | | | | | |
| 27.5 | | | | | * | .003 | .009 | .007 | .002 | * | * | | | | | | | | | | |
| | | | | | .002 | .014 | .034 | .029 | .010 | .002 | * | | | | | | | | | | |
| | | | | | .005 | .032 | .075 | .068 | .027 | .005 | .001 | | | | | | | | | | |
| 22.5 | | | | | * | .001 | .001 | * | * | | | | | | | | | | | | |
| | | | | | .001 | .004 | .005 | .002 | * | | | | | | | | | | | | |
| | | | | | .002 | .009 | .012 | .006 | .001 | | | | | | | | | | | | |
| 17.5 | | | | | * | | | | | | | | | | | | | | | | |
| | | | | | * | | | | | | | | | | | | | | | | |
| | | | | | .001 | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2516 INITIAL POSITION = 27.5 N 077.5 W NUMBER OF OBS = 67

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | * | * | .001 | .003 | .003 | .002 | .001 | * | * | | | | | | | | |
| | | | | | * | .001 | .005 | .011 | .012 | .008 | .004 | .001 | * | | | | | | | | |
| | | | | | .001 | .004 | .014 | .025 | .027 | .019 | .009 | .003 | .001 | | | | | | | | |
| 37.5 | | | | | * | .001 | .003 | .009 | .012 | .009 | .004 | .001 | * | | | | | | | | |
| | | | | | * | .002 | .014 | .036 | .047 | .023 | .015 | .004 | .001 | | | | | | | | |
| | | | | | .001 | .007 | .034 | .081 | .101 | .072 | .033 | .010 | .002 | | | | | | | | |
| 32.5 | | | | | * | .003 | .012 | .019 | .014 | .005 | .001 | * | | | | | | | | | |
| | | | | | .001 | .013 | .048 | .075 | .055 | .022 | .005 | .001 | | | | | | | | | |
| | | | | | .004 | .032 | .106 | .159 | .120 | .051 | .014 | .003 | | | | | | | | | |
| 27.5 | | | | | * | .001 | .006 | .013 | .010 | .003 | .001 | * | | | | | | | | | |
| | | | | | * | .004 | .024 | .051 | .041 | .015 | .003 | * | | | | | | | | | |
| | | | | | .001 | .009 | .053 | .108 | .092 | .037 | .008 | .001 | | | | | | | | | |
| 22.5 | | | | | * | .001 | .003 | .003 | .001 | * | | | | | | | | | | | |
| | | | | | * | .004 | .013 | .014 | .005 | .001 | | | | | | | | | | | |
| | | | | | .001 | .009 | .030 | .032 | .013 | .002 | | | | | | | | | | | |
| 17.5 | | | | | * | * | * | | | | | | | | | | | | | | |
| | | | | | .001 | .002 | .001 | | | | | | | | | | | | | | |
| | | | | | .003 | .005 | .002 | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 2517 INITIAL POSITION = 27.5 N 082.5 W NUMBER OF OBS = 48

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | * | * | .001 | .002 | .002 | .001 | * | * | | | | | | | | | | |
| | | | | • | .002 | .006 | .011 | .010 | .005 | .002 | * | | | | | | | | | | |
| | | | | .001 | .005 | .016 | .026 | .023 | .012 | .004 | .001 | | | | | | | | | | |
| 37.5 | | | * | .001 | .006 | .015 | .016 | .009 | .003 | .001 | * | | | | | | | | | | |
| | | | * | .004 | .025 | .058 | .062 | .034 | .011 | .002 | * | | | | | | | | | | |
| | | | .001 | .012 | .060 | .127 | .131 | .074 | .025 | .006 | .001 | | | | | | | | | | |
| 32.5 | | | .001 | .006 | .020 | .025 | .013 | .004 | .001 | • | | | | | | | | | | | |
| | | | .002 | .024 | .076 | .095 | .053 | .015 | .003 | * | | | | | | | | | | | |
| | | | .007 | .055 | .161 | .198 | .118 | .038 | .008 | .001 | | | | | | | | | | | |
| 27.5 | | • | .001 | .006 | .010 | .005 | .001 | • | | | | | | | | | | | | | |
| | | * | .005 | .025 | .038 | .021 | .005 | .001 | | | | | | | | | | | | | |
| | | .001 | .012 | .054 | .085 | .054 | .016 | .002 | | | | | | | | | | | | | |
| 22.5 | | * | .001 | * | * | | | | | | | | | | | | | | | | |
| | | .002 | .004 | .002 | * | | | | | | | | | | | | | | | | |
| | | .004 | .010 | .007 | .002 | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 2518 INITIAL POSITION = 27.5 N 087.5 W NUMBER OF OBS = 55

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | * | * | .001 | .001 | .001 | • | • | | | | | | | | | | | |
| | | | | • | .001 | .004 | .005 | .004 | .002 | .001 | | | | | | | | | | | |
| | | | | .001 | .004 | .010 | .014 | .011 | .005 | .001 | | | | | | | | | | | |
| 37.5 | | • | .001 | .005 | .010 | .012 | .007 | .003 | .001 | • | | | | | | | | | | | |
| | | * | .005 | .020 | .042 | .046 | .028 | .010 | .002 | * | | | | | | | | | | | |
| | | .001 | .012 | .047 | .094 | .101 | .063 | .024 | .006 | .001 | | | | | | | | | | | |
| 32.5 | | .001 | .005 | .016 | .025 | .020 | .009 | .002 | • | | | | | | | | | | | | |
| | | .003 | .019 | .061 | .095 | .076 | .034 | .009 | .002 | * | | | | | | | | | | | |
| | | .007 | .044 | .132 | .199 | .162 | .076 | .022 | .004 | | | | | | | | | | | | |
| 27.5 | | * | .001 | .004 | .009 | .009 | .005 | .001 | • | | | | | | | | | | | | |
| | | * | .003 | .016 | .036 | .037 | .020 | .006 | .001 | | | | | | | | | | | | |
| | | .001 | .008 | .037 | .080 | .086 | .049 | .017 | .003 | | | | | | | | | | | | |
| 22.5 | | • | .001 | .001 | * | * | | | | | | | | | | | | | | | |
| | | .001 | .002 | .003 | .002 | .001 | | | | | | | | | | | | | | | |
| | | .002 | .006 | .009 | .006 | .002 | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER
 TIME INTERVAL - 48 HOURS

5DEG ID = 2519 INITIAL POSITION = 27.5 N 092.5 W NUMBER OF OBS = 43

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | * | .001 | .001 | .001 | * | | | | | | | | | | | | | |
| | | | * | .002 | .005 | .003 | .001 | | | | | | | | | | | | | |
| | | | .002 | .007 | .012 | .008 | .003 | | | | | | | | | | | | | |
| 37.5 | | * | .002 | .008 | .010 | .005 | .001 | * | | | | | | | | | | | | |
| | | .001 | .009 | .033 | .041 | .018 | .003 | * | | | | | | | | | | | | |
| | | .002 | .024 | .077 | .091 | .042 | .008 | .001 | | | | | | | | | | | | |
| 32.5 | | .001 | .011 | .030 | .022 | .005 | * | | | | | | | | | | | | | |
| | | .004 | .044 | .113 | .084 | .021 | .002 | | | | | | | | | | | | | |
| | | .013 | .101 | .235 | .180 | .050 | .005 | | | | | | | | | | | | | |
| 27.5 | * | .002 | .013 | .021 | .008 | .001 | * | | | | | | | | | | | | | |
| | * | .007 | .052 | .081 | .033 | .004 | * | | | | | | | | | | | | | |
| | .001 | .019 | .113 | .175 | .079 | .012 | .001 | | | | | | | | | | | | | |
| 22.5 | | .001 | .003 | .002 | * | | | | | | | | | | | | | | | |
| | | .003 | .012 | .010 | .002 | | | | | | | | | | | | | | | |
| | | .007 | .029 | .027 | .006 | | | | | | | | | | | | | | | |
| 17.5 | | * | * | * | | | | | | | | | | | | | | | | |
| | | .001 | .001 | .001 | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

5DEG ID = 3009 INITIAL POSITION = 32.5 N 042.5 W NUMBER OF OBS = 21

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | | | | | | * | .001 | .005 | .006 | .003 | .001 | * |
| | | | | | | | | | | | | | | .001 | .008 | .022 | .023 | .012 | .003 | .001 |
| | | | | | | | | | | | | | | .004 | .027 | .058 | .053 | .026 | .007 | .001 |
| 37.5 | | | | | | | | | | | | | | .001 | .013 | .036 | .028 | .009 | .001 | * |
| | | | | | | | | | | | | | | .005 | .054 | .132 | .105 | .035 | .007 | .001 |
| | | | | | | | | | | | | | | .018 | .132 | .263 | .209 | .081 | .018 | .003 |
| 32.5 | | | | | | | | | | | | | | .001 | .011 | .025 | .010 | .001 | * | |
| | | | | | | | | | | | | | | .003 | .043 | .093 | .047 | .008 | .001 | |
| | | | | | | | | | | | | | | .010 | .092 | .188 | .122 | .029 | .003 | |
| 27.5 | | | | | | | | | | | | * | .001 | .003 | .001 | * | | | | |
| | | | | | | | | | | | | .001 | .005 | .011 | .003 | * | | | | |
| | | | | | | | | | | | | .001 | .012 | .028 | .013 | .001 | | | | |
| 22.5 | | | | | | | | | | | | * | | | | | | | | |
| | | | | | | | | | | | | * | | | | | | | | |
| | | | | | | | | | | | | .001 | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 3010 INITIAL POSITION = 32.5 N 047.5 W NUMBER OF OBS = 11

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|--------|--------|------|------|------|------|------|------|------|------|------|------|---|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | * | * | .001 | .003 | .003 | .002 | .001 | * | | |
| | | | | | | | | | | | | * | .002 | .007 | .013 | .012 | .008 | .003 | .001 | * | |
| | | | | | | | | | | | | .001 | .008 | .024 | .037 | .033 | .019 | .008 | .002 | | |
| 37.5 | | | | | | | | | | * | .001 | .006 | .021 | .030 | .023 | .012 | .005 | .002 | .001 | * | |
| | | | | | | | | | | * | .003 | .028 | .081 | .109 | .084 | .045 | .019 | .007 | .002 | .001 | * |
| | | | | | | | | | | .001 | .012 | .072 | .173 | .214 | .168 | .094 | .042 | .015 | .005 | .001 | * |
| 32.5 | | | | | | | | | * | .001 | .009 | .018 | .011 | .004 | .001 | * | * | * | | | |
| | | | | | | | | | * | .005 | .035 | .066 | .048 | .019 | .005 | .001 | * | * | * | | |
| | | | | | | | | | .001 | .014 | .073 | .134 | .116 | .057 | .019 | .006 | .002 | .001 | | | |
| 27.5 | | | | | | | | | * | .002 | .002 | * | * | | | | | | | | |
| | | | | | | | | | .001 | .007 | .008 | .002 | * | | | | | | | | |
| | | | | | | | | | .003 | .016 | .021 | .009 | .002 | | | | | | | | |
| 22.5 | | | | | | | | | * | * | | | | | | | | | | | |
| | | | | | | | | | * .001 | * .001 | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3011 INITIAL POSITION = 32.5 N 052.5 W NUMBER OF OBS = 10

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|--------|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | | |
| 42.5 | | | | | | | | | | | | * | * | .002 | .005 | .008 | .009 | .008 | .004 | .002 | .001 | * |
| | | | | | | | | | | | | * | .002 | .007 | .018 | .032 | .037 | .031 | .018 | .008 | .002 | .001 |
| | | | | | | | | | | | | .001 | .005 | .017 | .042 | .071 | .082 | .068 | .040 | .017 | .006 | .001 |
| 37.5 | | | | | | | | | | * | .001 | .003 | .008 | .014 | .014 | .010 | .005 | .002 | * | * | | |
| | | | | | | | | | | * .003 | .014 | .034 | .053 | .056 | .039 | .020 | .007 | .002 | * | * | | |
| | | | | | | | | | | .001 | .008 | .031 | .074 | .116 | .121 | .087 | .044 | .016 | .004 | .001 | | |
| 32.5 | | | | | | | | | * | .001 | .003 | .007 | .010 | .009 | .005 | .002 | .001 | * | * | | | |
| | | | | | | | | | * .003 | .012 | .028 | .039 | .035 | .021 | .008 | .002 | .002 | .001 | * | * | | |
| | | | | | | | | | .001 | .008 | .028 | .062 | .086 | .078 | .047 | .020 | .006 | .001 | | | | |
| 27.5 | | | | | | | | | * | * | .001 | .002 | .003 | .002 | .001 | * | * | | | | | |
| | | | | | | | | | * .001 | .005 | .009 | .011 | .008 | .004 | .001 | * | * | | | | | |
| | | | | | | | | | .001 | .003 | .011 | .022 | .026 | .020 | .010 | .003 | .001 | | | | | |
| 22.5 | | | | | | | | | * | * | * | * | * | * | * | | | | | | | |
| | | | | | | | | | * .001 | .001 | .001 | .001 | .001 | * | * | | | | | | | |
| | | | | | | | | | .001 | .002 | .003 | .003 | .002 | .001 | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 3012 INITIAL POSITION = 32.5 N 057.5 W NUMBER OF OBS = 28

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | * | * | .002 | .006 | .012 | .014 | .012 | .007 | .002 | .001 | * | | | |
| | | | | | | | | * | .002 | .009 | .025 | .046 | .057 | .047 | .026 | .010 | .002 | * | | | |
| | | | | | | | | .001 | .005 | .021 | .056 | .101 | .123 | .102 | .058 | .023 | .006 | .001 | | | |
| 37.5 | | | | | | | | * | .001 | .003 | .008 | .015 | .017 | .014 | .007 | .052 | .001 | * | | | |
| | | | | | | | | * | .003 | .011 | .031 | .057 | .068 | .053 | .028 | .010 | .002 | * | | | |
| | | | | | | | | .001 | .006 | .026 | .070 | .123 | .146 | .116 | .063 | .023 | .006 | .001 | | | |
| 32.5 | | | | | | | | * | .001 | .003 | .005 | .006 | .004 | .002 | .001 | * | | | | | |
| | | | | | | | | .001 | .004 | .012 | .020 | .023 | .017 | .008 | .003 | .001 | | | | | |
| | | | | | | | | .003 | .010 | .027 | .047 | .053 | .040 | .021 | .007 | .002 | | | | | |
| 27.5 | | | | | | | | * | * | * | * | * | * | * | * | * | | | | | |
| | | | | | | | | * | .001 | .002 | .002 | .001 | .001 | * | * | | | | | | |
| | | | | | | | | .001 | .003 | .005 | .005 | .004 | .002 | .001 | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3013 INITIAL POSITION = 32.5 N 062.5 W NUMBER OF OBS = 44

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | * | .001 | .004 | .011 | .014 | .009 | .003 | .001 | * | | | | | |
| | | | | | | | | * | .003 | .017 | .045 | .054 | .035 | .014 | .004 | .001 | | | | | |
| | | | | | | | | .001 | .008 | .042 | .098 | .115 | .076 | .032 | .010 | .002 | | | | | |
| 37.5 | | | | | | | | * | .003 | .014 | .018 | .009 | .002 | * | * | | | | | | |
| | | | | | | | | .001 | .015 | .054 | .069 | .037 | .010 | .002 | * | | | | | | |
| | | | | | | | | .004 | .037 | .116 | .145 | .084 | .026 | .005 | .001 | | | | | | |
| 32.5 | | | | | | | | * | .001 | .008 | .014 | .006 | .001 | * | * | | | | | | |
| | | | | | | | | * | .005 | .032 | .052 | .026 | .005 | * | * | | | | | | |
| | | | | | | | | .001 | .013 | .070 | .111 | .063 | .015 | .002 | | | | | | | |
| 27.5 | | | | | | | | * | .002 | .006 | .003 | * | * | | | | | | | | |
| | | | | | | | | * | .008 | .023 | .014 | .002 | | | | | | | | | |
| | | | | | | | | .001 | .018 | .048 | .033 | .007 | | | | | | | | | |
| 22.5 | | | | | | | | * | .001 | .001 | * | * | | | | | | | | | |
| | | | | | | | | .001 | .005 | .005 | .001 | | | | | | | | | | |
| | | | | | | | | .002 | .010 | .011 | .003 | | | | | | | | | | |
| 17.5 | | | | | | | | * | * | * | * | | | | | | | | | | |
| | | | | | | | | * | .001 | * | * | | | | | | | | | | |
| | | | | | | | | .001 | .002 | .001 | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 3014 INITIAL POSITION = 32.5 N 067.5 W NUMBER OF OBS = 59

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | * | * | .003 | .008 | .014 | .015 | .010 | .005 | .002 | .001 | * | * | | | |
| | | | | | | * | .002 | .012 | .033 | .055 | .057 | .040 | .021 | .008 | .003 | .001 | * | | | |
| | | | | | | .001 | .006 | .028 | .075 | .119 | .121 | .086 | .045 | .019 | .007 | .002 | .001 | | | |
| 37.5 | | | | | | * | .002 | .008 | .015 | .015 | .009 | .004 | .001 | * | * | | | | | |
| | | | | | | .001 | .008 | .030 | .057 | .058 | .037 | .016 | .005 | .001 | * | | | | | |
| | | | | | | .003 | .019 | .067 | .121 | .126 | .083 | .039 | .014 | .004 | .001 | | | | | |
| 32.5 | | | | | | * | .003 | .006 | .007 | .004 | .001 | * | * | | | | | | | |
| | | | | | | .002 | .011 | .025 | .026 | .015 | .005 | .001 | * | | | | | | | |
| | | | | | | .005 | .024 | .054 | .060 | .036 | .014 | .004 | .001 | | | | | | | |
| 27.5 | | | | | | * | .001 | .001 | .001 | * | | | | | | | | | | |
| | | | | | | .001 | .005 | .006 | .003 | .001 | | | | | | | | | | |
| | | | | | | .003 | .011 | .013 | .008 | .002 | | | | | | | | | | |
| 22.5 | | | | | | * | * | * | | | | | | | | | | | | |
| | | | | | | * | .001 | * | | | | | | | | | | | | |
| | | | | | | .001 | .001 | .001 | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3015 INITIAL POSITION = 32.5 N 072.5 W NUMBER OF OBS = 51

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | * | .003 | .012 | .021 | .021 | .012 | .005 | .001 | * | | | | | | |
| | | | | | | .002 | .015 | .049 | .083 | .079 | .047 | .018 | .005 | .001 | * | | | | | |
| | | | | | | .006 | .037 | .110 | .176 | .166 | .099 | .040 | .012 | .002 | | | | | | |
| 37.5 | | | | | | * | .002 | .010 | .020 | .019 | .011 | .004 | .001 | * | | | | | | |
| | | | | | | .001 | .009 | .040 | .077 | .076 | .043 | .016 | .004 | .001 | * | | | | | |
| | | | | | | .002 | .022 | .087 | .161 | .164 | .100 | .040 | .012 | .003 | | | | | | |
| 32.5 | | | | | | * | .002 | .003 | .003 | .001 | * | * | | | | | | | | |
| | | | | | | .001 | .006 | .013 | .012 | .006 | .002 | * | | | | | | | | |
| | | | | | | .003 | .014 | .031 | .032 | .018 | .006 | .001 | | | | | | | | |
| 27.5 | | | | | | * | * | * | | | | | | | | | | | | |
| | | | | | | * | * | * | | | | | | | | | | | | |
| | | | | | | .001 | .001 | .001 | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 3016 INITIAL POSITION = 32.5 N 077.5 W NUMBER OF OBS = 24

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | * | .002 | .008 | .016 | .016 | .008 | .002 | * | * | | | | | | |
| | | | | | | .001 | .008 | .032 | .062 | .062 | .033 | .010 | .002 | * | | | | | | |
| | | | | | | .003 | .020 | .072 | .134 | .133 | .074 | .025 | .005 | .001 | | | | | | |
| 37.5 | | | | | | * | .002 | .007 | .011 | .007 | .002 | * | * | | | | | | | |
| | | | | | | .001 | .008 | .029 | .044 | .030 | .010 | .002 | * | | | | | | | |
| | | | | | | .003 | .020 | .064 | .095 | .067 | .025 | .005 | .001 | | | | | | | |
| 32.5 | | | | | | * | .001 | .003 | .003 | .001 | * | | | | | | | | | |
| | | | | | | .001 | .004 | .013 | .013 | .006 | .001 | | | | | | | | | |
| | | | | | | .001 | .010 | .028 | .031 | .014 | .003 | | | | | | | | | |
| 27.5 | | | | | | * | .001 | * | * | | | | | | | | | | | |
| | | | | | | .001 | .002 | .002 | * | | | | | | | | | | | |
| | | | | | | .003 | .006 | .004 | .001 | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3017 INITIAL POSITION = 32.5 N 082.5 W NUMBER OF OBS = 20

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | * | .001 | .005 | .011 | .016 | .015 | .010 | .005 | .003 | .001 | * | * | | | | |
| | | | | | * | .005 | .020 | .046 | .061 | .056 | .038 | .021 | .010 | .004 | .002 | .001 | | | | |
| | | | | | .002 | .013 | .050 | .102 | .130 | .116 | .080 | .045 | .022 | .010 | .004 | .001 | | | | |
| 37.5 | | | | | * | .002 | .008 | .017 | .017 | .010 | .005 | .002 | .001 | * | * | * | | | | |
| | | | | | .001 | .007 | .033 | .065 | .066 | .042 | .020 | .008 | .003 | .001 | * | * | * | | | |
| | | | | | .002 | .019 | .073 | .134 | .139 | .096 | .049 | .022 | .009 | .004 | .001 | .001 | | | | |
| 32.5 | | | | | * | .001 | .005 | .007 | .005 | .001 | * | * | | | | | | | | |
| | | | | | * | .003 | .018 | .029 | .020 | .007 | .002 | * | | | | | | | | |
| | | | | | .001 | .009 | .037 | .062 | .048 | .021 | .006 | .002 | | | | | | | | |
| 27.5 | | | | | * | .001 | .001 | * | * | | | | | | | | | | | |
| | | | | | .001 | .004 | .005 | .002 | * | | | | | | | | | | | |
| | | | | | .001 | .008 | .013 | .007 | .002 | | | | | | | | | | | |
| 22.5 | | | | | * | * | * | | | | | | | | | | | | | |
| | | | | | * | .001 | * | | | | | | | | | | | | | |
| | | | | | .001 | .001 | .001 | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 3018 INITIAL POSITION = 32.5 N 087.5 W NUMBER OF OBS = 11

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | * | .005 | .020 | .023 | .007 | * | | | | | | | | | | | | | |
| | | | .002 | .020 | .077 | .092 | .031 | .003 | | | | | | | | | | | | | |
| | | | .005 | .048 | .166 | .202 | .079 | .009 | | | | | | | | | | | | | |
| 37.5 | | | * | .003 | .022 | .046 | .022 | .002 | * | | | | | | | | | | | | |
| | | | .001 | .012 | .086 | .172 | .086 | .010 | * | | | | | | | | | | | | |
| | | | .002 | .034 | .193 | .345 | .186 | .027 | .001 | | | | | | | | | | | | |
| 32.5 | | | * | .001 | .004 | .004 | .001 | | | | | | | | | | | | | | |
| | | | * | .005 | .020 | .017 | .003 | | | | | | | | | | | | | | |
| | | | .002 | .018 | .055 | .044 | .008 | | | | | | | | | | | | | | |
| 27.5 | | | | | | | * | | | | | | | | | | | | | | |
| | | | | | | | * | | | | | | | | | | | | | | |
| | | | | | | | .001 | | | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3511 INITIAL POSITION = 37.5 N 052.5 W NUMBER OF OBS = 11

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | | | | | | | * | .002 | .016 | .022 | .006 | * | | | |
| | | | | | | | | | | | | | * | .010 | .064 | .085 | .026 | .002 | | | |
| | | | | | | | | | | | | | .001 | .028 | .139 | .178 | .066 | .007 | | | |
| 37.5 | | | | | | | | | | | | | * | .002 | .012 | .007 | .001 | | | | |
| | | | | | | | | | | | | | * | .010 | .046 | .030 | .003 | | | | |
| | | | | | | | | | | | | | .001 | .027 | .096 | .071 | .011 | | | | |
| 32.5 | | | | | | | | | | | | | * | .001 | .003 | .001 | * | | | | |
| | | | | | | | | | | | | | * | .005 | .014 | .004 | * | | | | |
| | | | | | | | | | | | | | .001 | .013 | .030 | .011 | .001 | | | | |
| 27.5 | | | | | | | | | | | | | * | * | * | | | | | | |
| | | | | | | | | | | | | | .001 | .002 | * | | | | | | |
| | | | | | | | | | | | | | .003 | .004 | .001 | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 3512 INITIAL POSITION = 37.5 N 057.5 W NUMBER OF OBS = 25

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | * | .001 | .003 | .009 | .014 | .013 | .007 | .002 | .001 | * | | |
| | | | | | | | | | * | .002 | .012 | .035 | .055 | .050 | .028 | .010 | .003 | .001 | | |
| | | | | | | | | | .001 | .006 | .029 | .078 | .118 | .108 | .063 | .025 | .007 | .002 | | |
| 37.5 | | | | | | | | | * | .001 | .003 | .008 | .009 | .005 | .002 | * | * | | | |
| | | | | | | | | | * | .003 | .013 | .031 | .036 | .022 | .008 | .002 | * | | | |
| | | | | | | | | | .001 | .007 | .030 | .067 | .078 | .051 | .020 | .005 | .001 | | | |
| 32.5 | | | | | | | | | * | .002 | .003 | .003 | .001 | * | * | | | | | |
| | | | | | | | | | .002 | .007 | .013 | .011 | .004 | .001 | | | | | | |
| | | | | | | | | | .004 | .017 | .030 | .025 | .010 | .002 | | | | | | |
| 27.5 | | | | | | | | | * | * | .001 | * | * | | | | | | | |
| | | | | | | | | | .001 | .002 | .003 | .001 | * | | | | | | | |
| | | | | | | | | | .001 | .005 | .006 | .003 | .001 | | | | | | | |
| 22.5 | | | | | | | | | * | * | | | | | | | | | | |
| | | | | | | | | | * | * | | | | | | | | | | |
| | | | | | | | | | .001 | .001 | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3513 INITIAL POSITION = 37.5 N 062.5 W NUMBER OF OBS = 32

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 |
| 42.5 | | | | | | | | | * | .001 | .004 | .009 | .013 | .012 | .008 | .004 | .002 | .001 | * | * |
| | | | | | | | | | * | .003 | .015 | .035 | .051 | .047 | .031 | .015 | .006 | .002 | .001 | * |
| | | | | | | | | | .001 | .008 | .034 | .078 | .109 | .102 | .069 | .036 | .015 | .006 | .002 | .001 |
| 37.5 | | | | | | | | | * | .002 | .006 | .009 | .008 | .004 | .002 | * | * | | | |
| | | | | | | | | | .001 | .007 | .022 | .036 | .033 | .018 | .007 | .002 | .001 | | | |
| | | | | | | | | | .003 | .016 | .049 | .078 | .072 | .043 | .018 | .006 | .002 | | | |
| 32.5 | | | | | | | | | * | .002 | .004 | .003 | .002 | * | * | | | | | |
| | | | | | | | | | .001 | .007 | .015 | .014 | .007 | .002 | * | | | | | |
| | | | | | | | | | .003 | .016 | .032 | .032 | .017 | .006 | .001 | | | | | |
| 27.5 | | | | | | | | | * | .001 | .001 | * | * | | | | | | | |
| | | | | | | | | | .001 | .003 | .004 | .002 | * | | | | | | | |
| | | | | | | | | | .002 | .007 | .009 | .005 | .001 | | | | | | | |
| 22.5 | | | | | | | | | * | * | * | | | | | | | | | |
| | | | | | | | | | * | .001 | * | | | | | | | | | |
| | | | | | | | | | .001 | .001 | .001 | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | |

TROPICAL CYCLONE STRIKE PROBABILITIES FOR CIRCULAR AREAS WITH RADII OF ONE, TWO, AND THREE DEGREES LATITUDE
 SEASON - SEPTEMBER TIME INTERVAL - 48 HOURS

SDEG ID = 3514 INITIAL POSITION = 37.5 N 067.5 W NUMBER OF OBS = 29

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | * | .001 | .004 | .010 | .013 | .011 | .006 | .003 | .001 | * | * | * | | | | |
| | | | | | | • | .004 | .018 | .040 | .051 | .042 | .025 | .011 | .004 | .002 | .001 | * | | | | |
| | | | | | | .001 | .010 | .041 | .086 | .110 | .093 | .057 | .027 | .011 | .004 | .002 | .001 | | | | |
| 37.5 | | | | | | * | .002 | .006 | .007 | .005 | .002 | .001 | * | * | * | * | * | | | | |
| | | | | | | .001 | .008 | .022 | .028 | .019 | .008 | .003 | .001 | * | * | * | * | | | | |
| | | | | | | .003 | .019 | .047 | .061 | .045 | .021 | .007 | .002 | .001 | | | | | | | |
| 32.5 | | | | | | * | .002 | .002 | .001 | • | • | | | | | | | | | | |
| | | | | | | .002 | .006 | .009 | .005 | .002 | • | | | | | | | | | | |
| | | | | | | .004 | .014 | .020 | .014 | .005 | .001 | | | | | | | | | | |
| 27.5 | | | | | | * | * | * | • | • | | | | | | | | | | | |
| | | | | | | .001 | .002 | .001 | * | * | | | | | | | | | | | |
| | | | | | | .002 | .004 | .003 | .001 | | | | | | | | | | | | |
| 22.5 | | | | | | | | | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |

SDEG ID = 3515 INITIAL POSITION = 37.5 N 072.5 W NUMBER OF OBS = 23

| LATITUDE | LONGITUDE | | | | | | | | | | | | | | | | | | | | |
|----------|-----------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | 107.5 | 102.5 | 97.5 | 92.5 | 87.5 | 82.5 | 77.5 | 72.5 | 67.5 | 62.5 | 57.5 | 52.5 | 47.5 | 42.5 | 37.5 | 32.5 | 27.5 | 22.5 | 17.5 | 12.5 | |
| 42.5 | | | | | | | * | .003 | .009 | .014 | .012 | .006 | .002 | * | * | * | | | | | |
| | | | | | | | .002 | .012 | .035 | .055 | .047 | .024 | .008 | .002 | * | * | | | | | |
| | | | | | | | .005 | .028 | .078 | .118 | .103 | .055 | .019 | .005 | .001 | | | | | | |
| 37.5 | | | | | | * | .001 | .003 | .008 | .009 | .004 | .001 | * | * | * | * | * | | | | |
| | | | | | | • | .002 | .013 | .031 | .034 | .018 | .005 | .001 | * | * | * | * | | | | |
| | | | | | | .001 | .006 | .031 | .068 | .074 | .042 | .014 | .003 | | | | | | | | |
| 32.5 | | | | | | * | .002 | .003 | .002 | .001 | • | | | | | | | | | | |
| | | | | | | .002 | .008 | .014 | .009 | .003 | * | | | | | | | | | | |
| | | | | | | .004 | .018 | .030 | .021 | .007 | .001 | | | | | | | | | | |
| 27.5 | | | | | | * | .001 | .001 | * | * | | | | | | | | | | | |
| | | | | | | .001 | .002 | .003 | .001 | | | | | | | | | | | | |
| | | | | | | .002 | .006 | .006 | .003 | | | | | | | | | | | | |
| 22.5 | | | | | | | * | • | | | | | | | | | | | | | |
| | | | | | | | * | • | | | | | | | | | | | | | |
| | | | | | | | .001 | .001 | | | | | | | | | | | | | |
| 17.5 | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | |
| 07.5 | | | | | | | | | | | | | | | | | | | | | |
| 02.5 | | | | | | | | | | | | | | | | | | | | | |