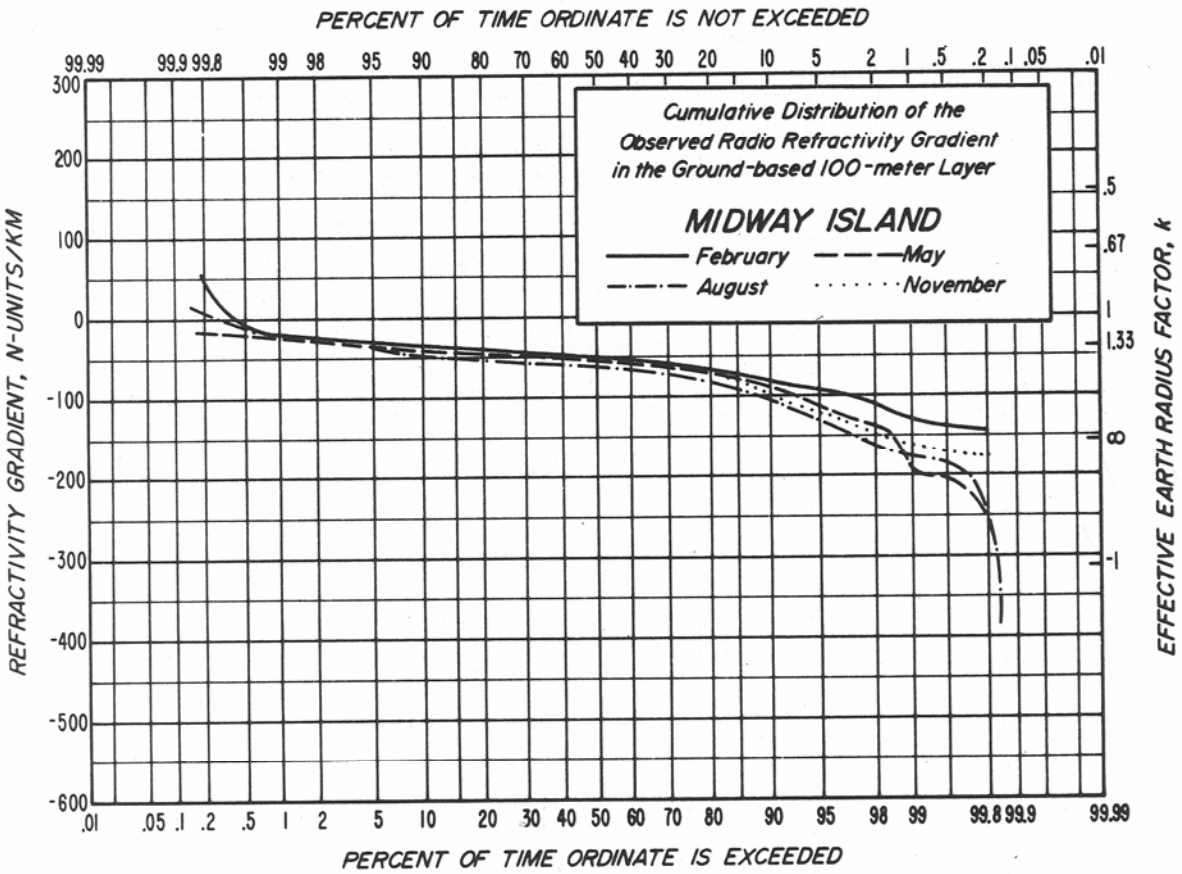


Midway Island, Pacific

28-13 N, 177-22 W. 6 meters MSL

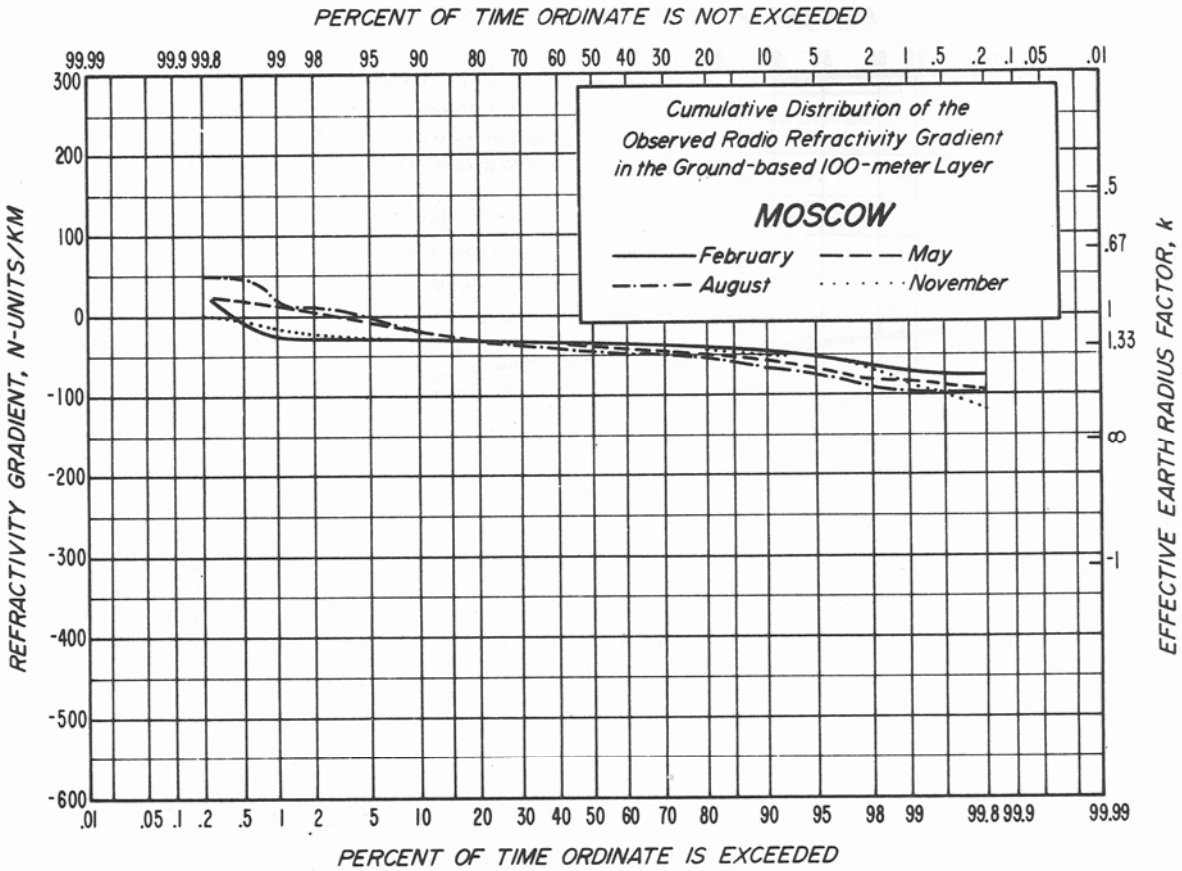
Data: Radiosonde. 0300 and 1500Z (1500 and 0300 LST)
8/50 - 5/53
0000 and 1200Z (1200 and 0000 LST)
8/57 - 11/59

Temperature (°F): January 72/60; July 84/71

Mean Dewpoint (°F): January 57; July 70

Precipitation (inches): Annual 46.3; October 5.2; November 1.7

Station is located on a small island in the central Pacific; part of a low coral atoll. Sub-tropical maritime climate.



Moscow, U.S.S.R.

55-49 N, 37-37 E. 156 meters MSL

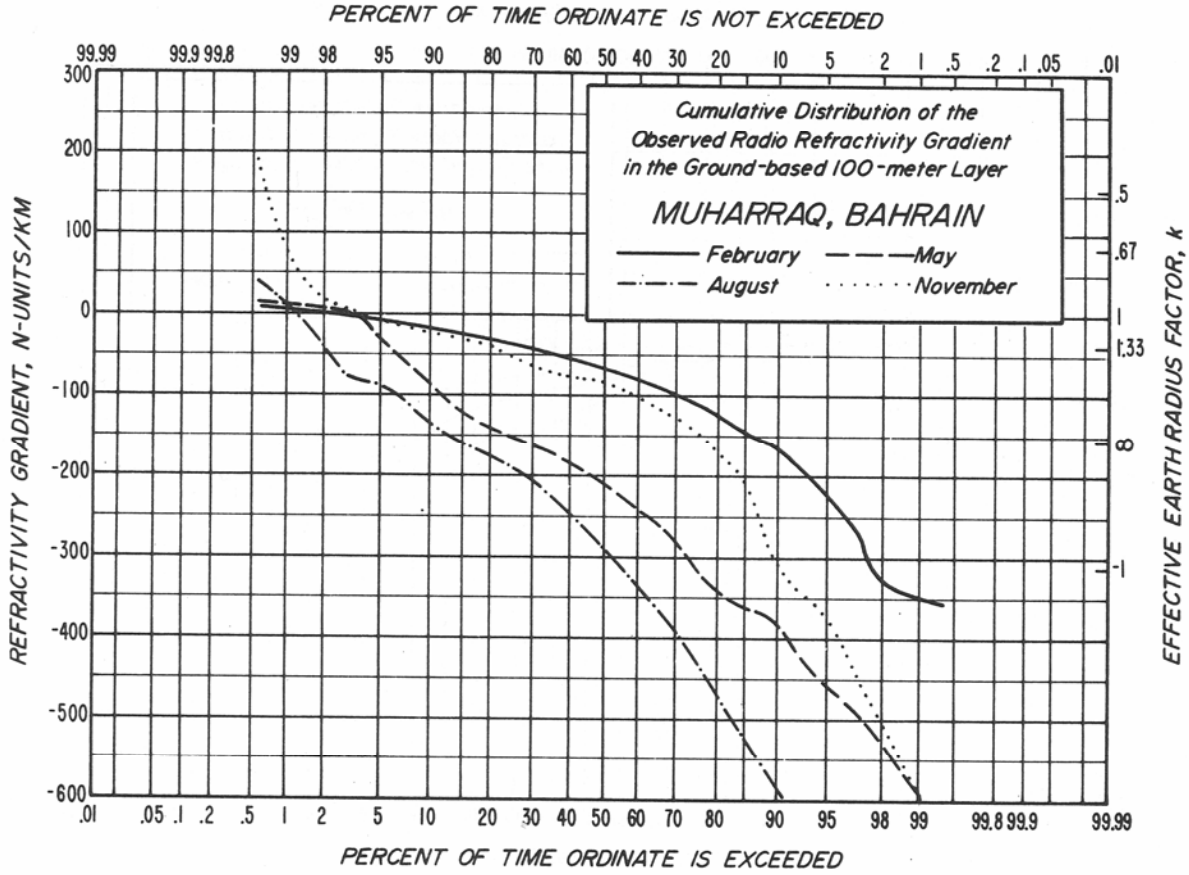
Data: Radiosonde.

0200Z (0500 LST)
8/55 - 2/57
0000Z (0300 LST)
5/57 and 2/60 - 11/60
0000 and 1200Z (0300 and 1500 LST)
8/57 - 11/59

Temperature (°F): January 21/9; July 76/55

Precipitation (inches): Annual 24.8; July 3.0; March 1.1

Located on the Moskva River. Rather severe continental temperate climate. Deep snow in area much of the winter.



Muharraq, Bahrain (Persian Gulf)

26-16 N, 50-37 E. 2 meters MSL

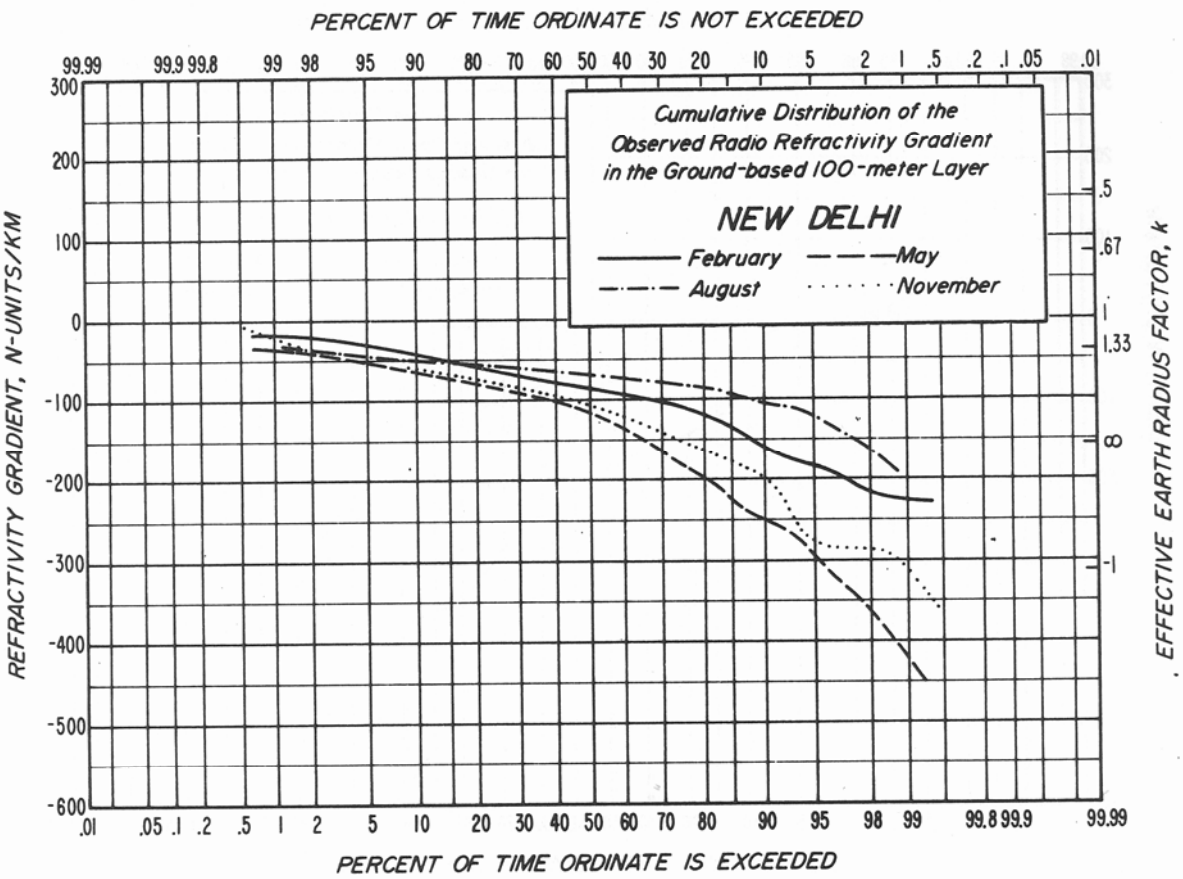
Data: Radiosonde. 0000Z (0300 LST)
2/58 - 11/60

Temperature (°F): January 68/57, July 99/85

Mean Dewpoint (°F): January 56; July 77

Precipitation (inches): Annual 3.2; Feb., Nov., Dec. 0.70; May, June, July, Aug., Sept., Oct. 0.00

On an island in the western Persian Gulf about 25 miles off the coast of the Arabian peninsula. Semi-tropical arid climate with hot, humid summers and relatively cool winters with scanty winds.



New Delhi, India

28-35 N, 77-12 E. 216 meters MSL

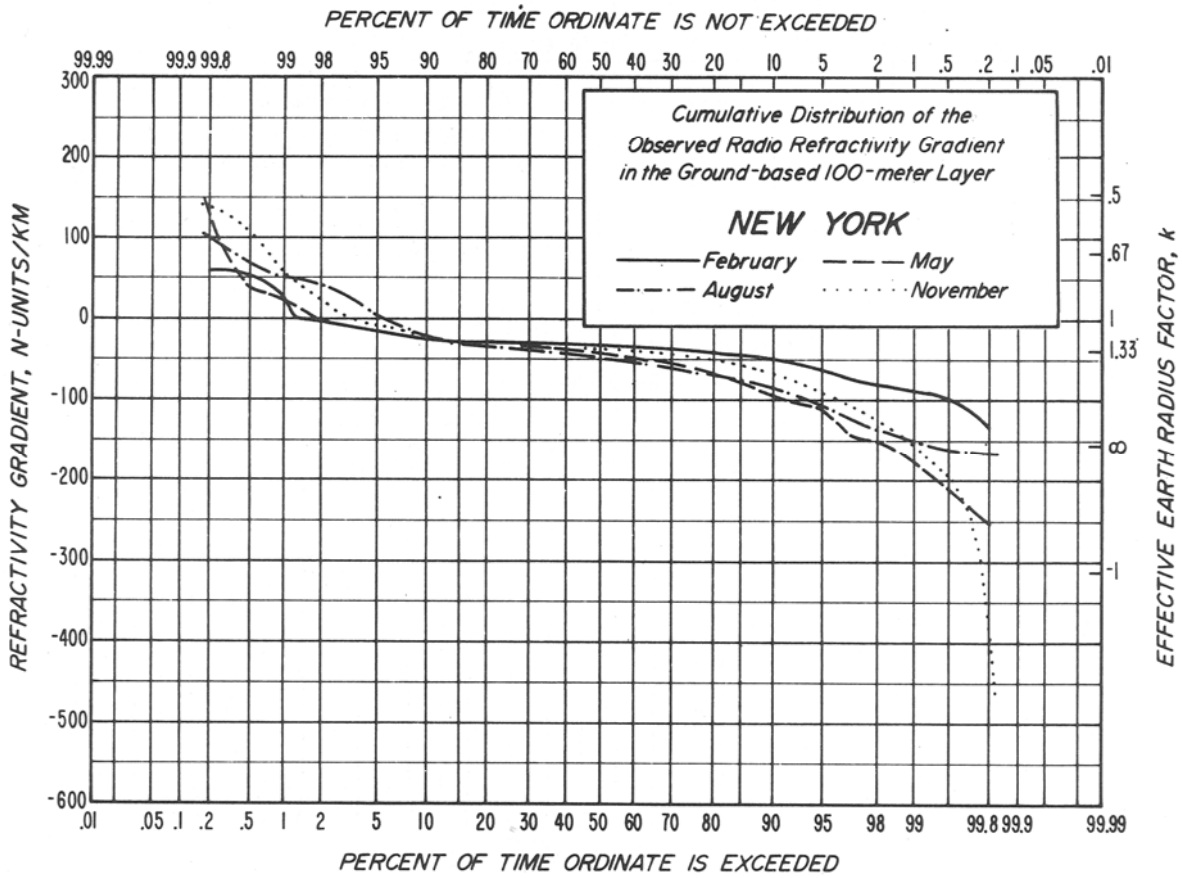
Data: Radiosonde. 0300Z (0800 LST)
2/57
0000Z (0500 LST)
5/57 - 8/61

Temperature (°F): January 70/44; July 96/81

Mean Dewpoint (°F): January 44; July 76

Precipitation (inches): Annual 25.2; July 7.1; November 0.1

Located on the Jumna River in northern India; near the center of the Indian subcontinent. A monsoon-type climate, with cool, dry winters and warm, wet summers.



New York, New York

40-46 N, 73-52 W. 16 meters MSL

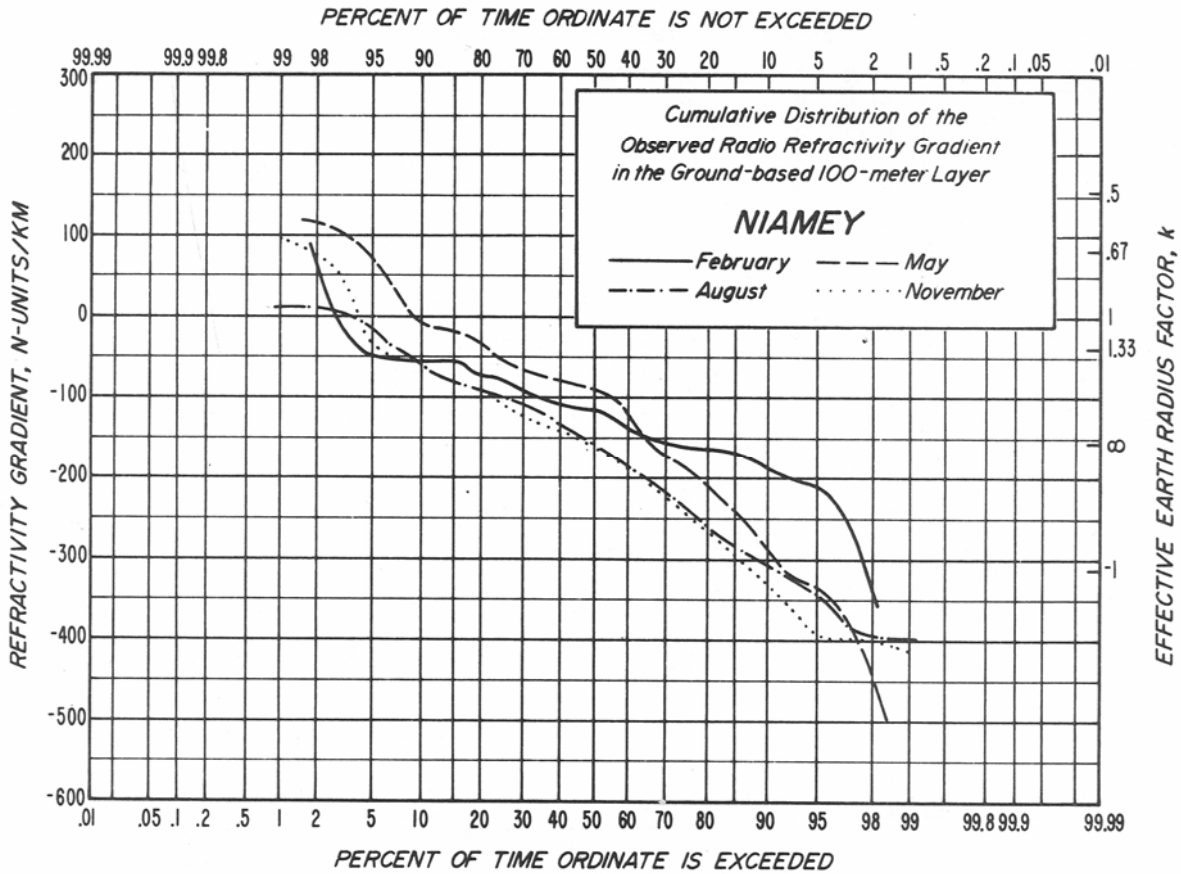
Data: Radiosonde. 0300 and 1500Z (2200 and 1000 LST)
8/52 - 5/57

Temperature (°F): January 40/28; July 85/69

Mean Dewpoint (°F): January 22; July 63

Precipitation (inches): Annual 44.2; August 5.08; February 3.09

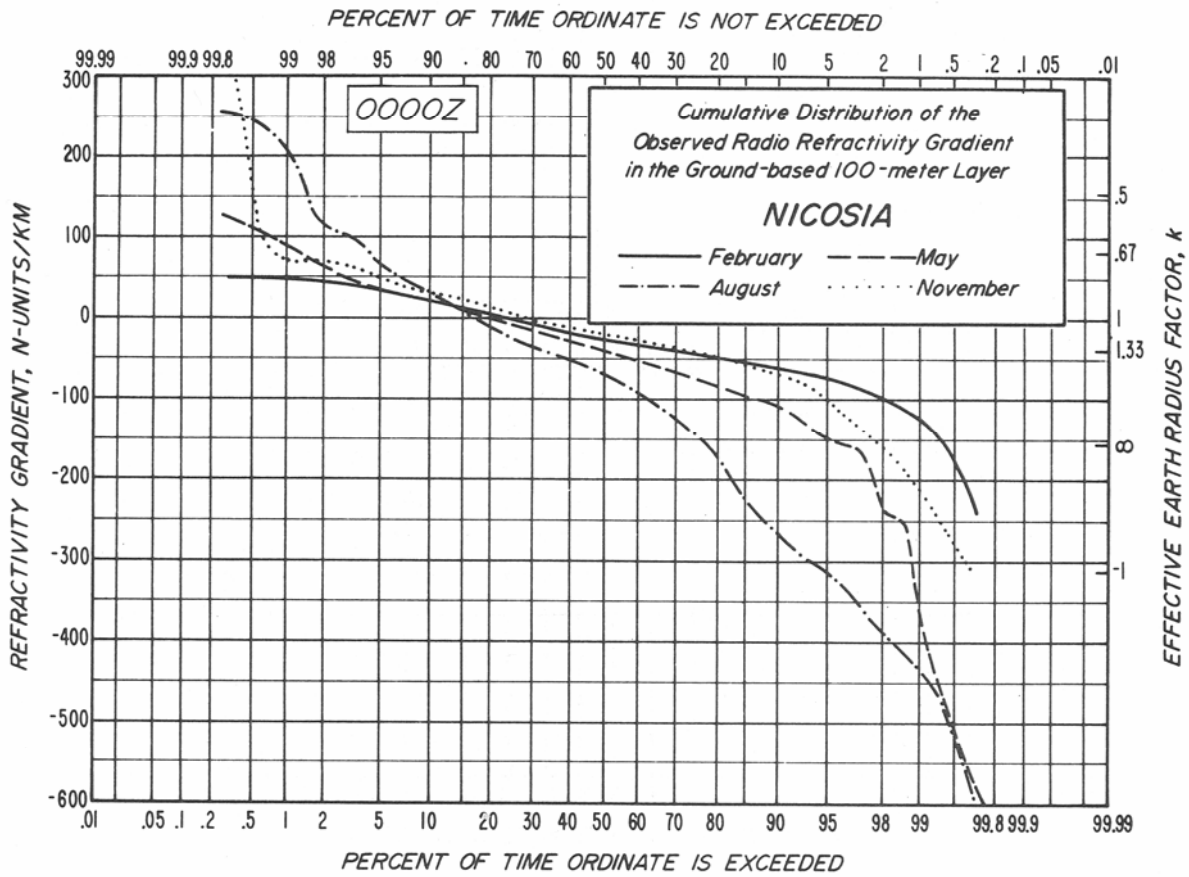
Station is located on Flushing Bay, Long Island to the east of Manhattan. The climate more closely resembles continental than maritime, because weather conditions usually approach the area from a westerly direction, rather than from the ocean. The nearby water areas have an important local modifying influence.



Niamey, Niger

13-29 N, 02-10 E.	226 meters MSL
Data: Radiosonde.	0600Z (0600 LST) 8/57 - 11/59
Temperature (°F):	January 93/58; July 94/74
Mean Dewpoint (°F):	January 35; July 70
Precipitation (inches):	Annual 23.4; August 8.62; Jan., Feb, Dec. 0.00

Located on the Niger River in west Africa. A tropical monsoon climate with hot, rainy summers and hot, dry winters.



Nicosia, Cyprus

35-09 N, 33-17 E. 218 meters MSL

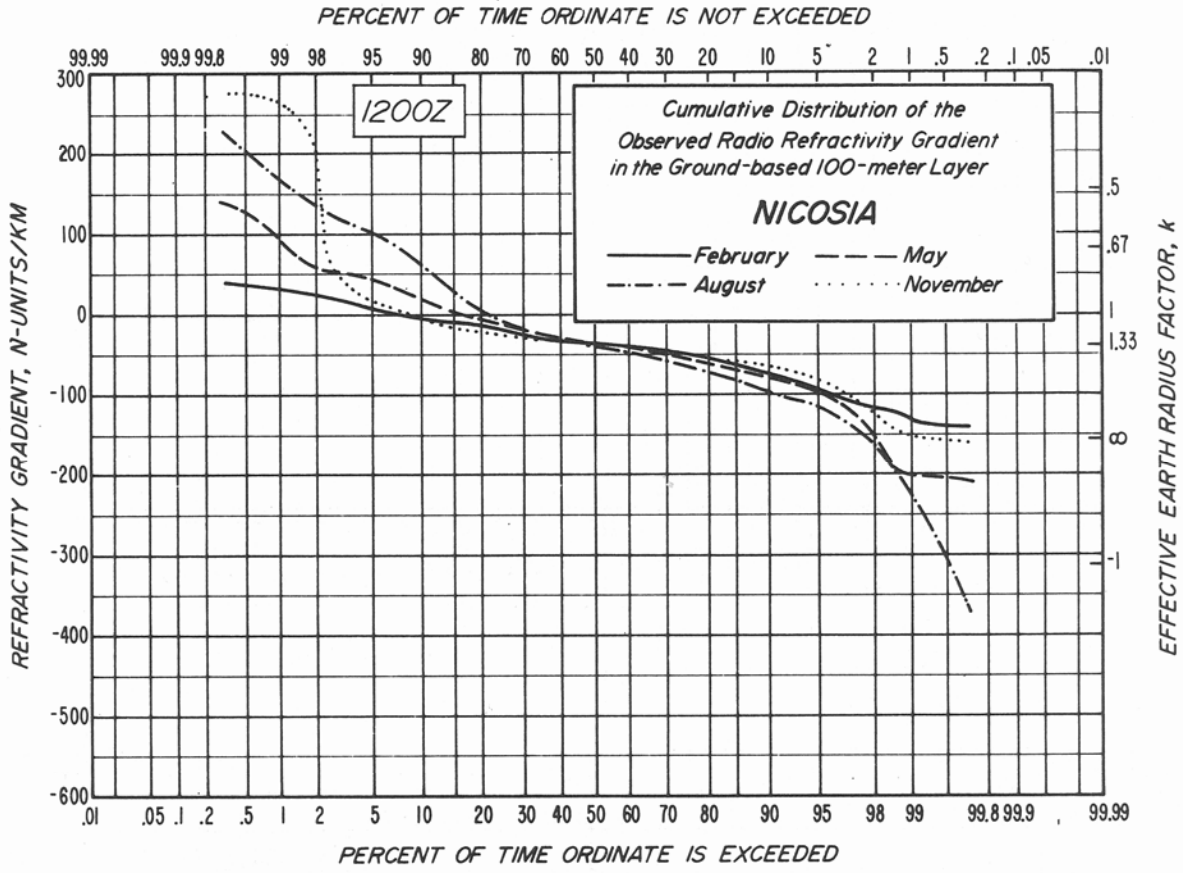
Data: Radiosonde. 0200 and 1400Z (0400 and 1600 LST)
2/55 - 2/57
0000 and 1200Z (0200 and 1400 LST)
5/57 - 8/60

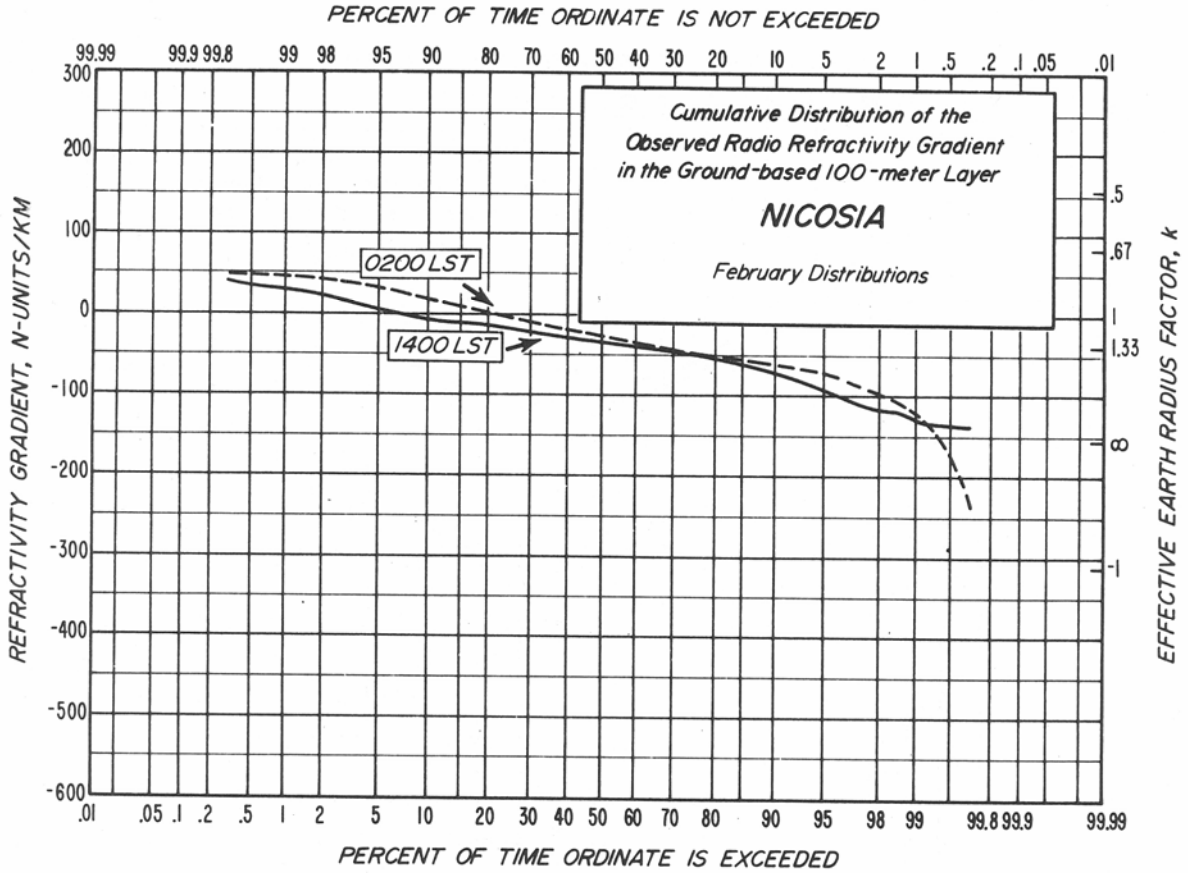
Temperature (°F): January 58/42; July 97/69

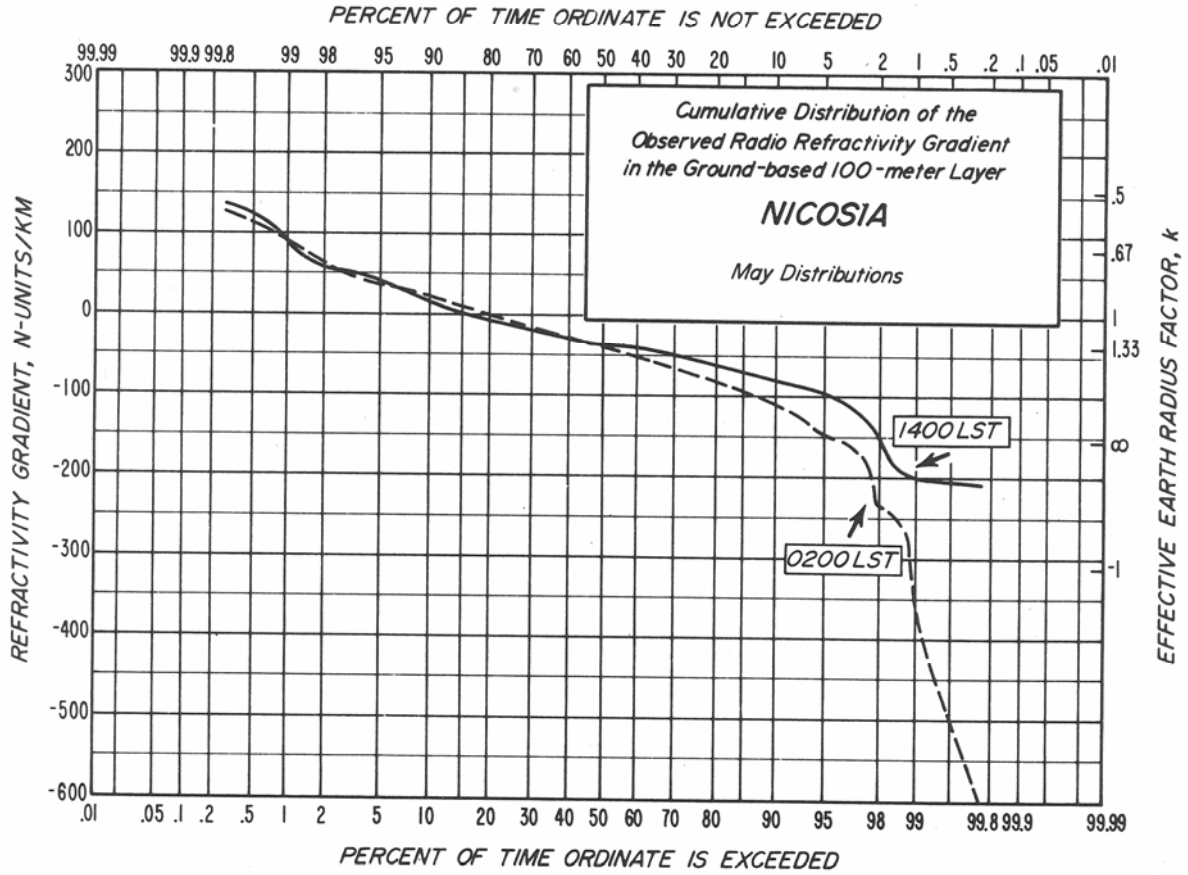
Mean Dewpoint (°F): January 43; July 59

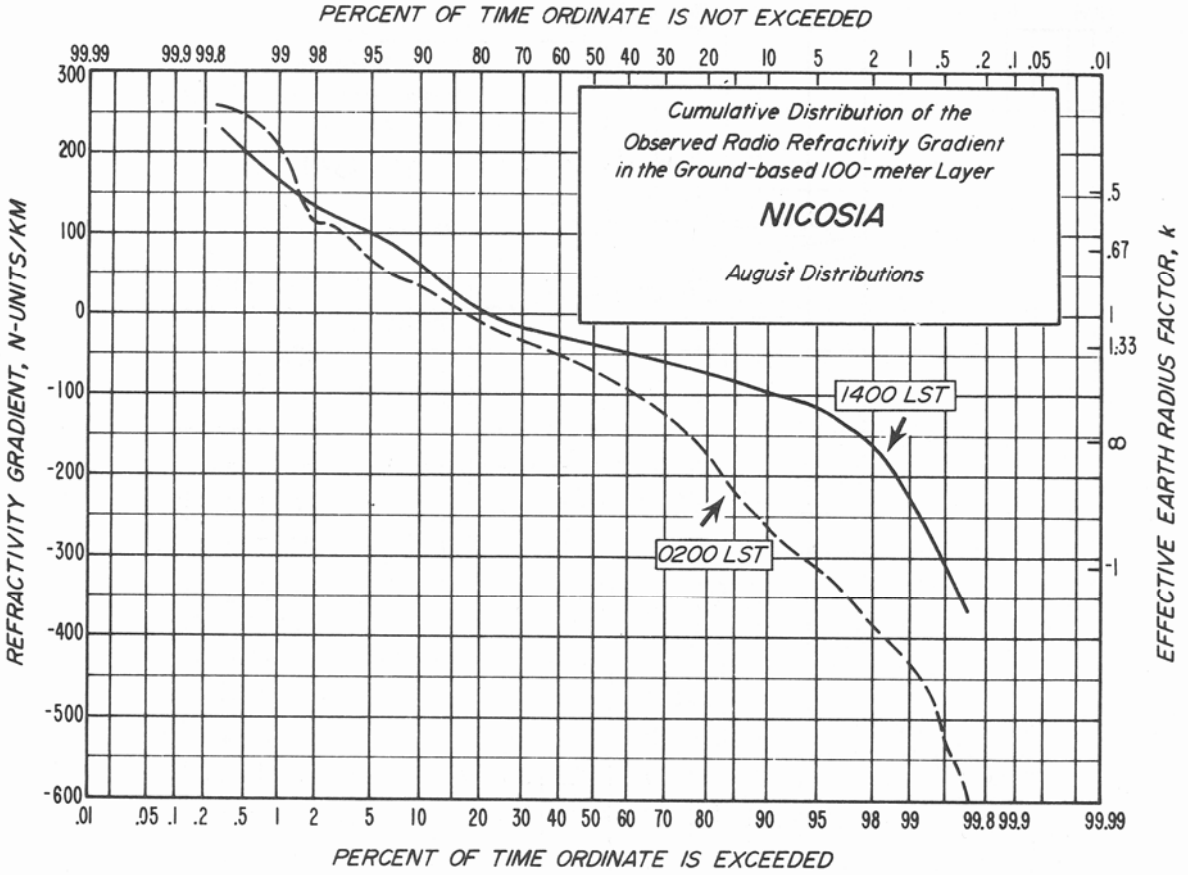
Precipitation (inches): Annual 14.4; December 3.00; July, Aug. 0.03

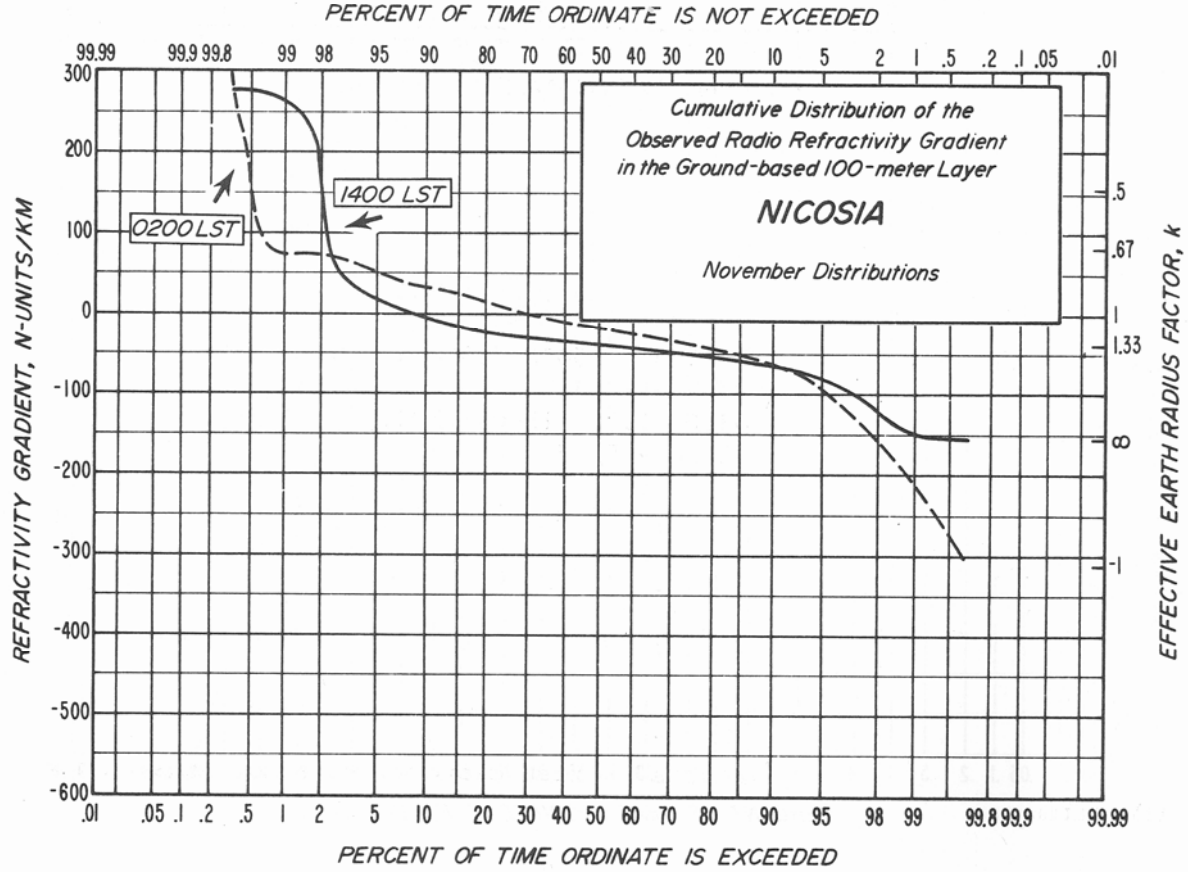
Station is in the central part of a large island (1048 sq. miles) in the eastern Mediterranean Sea. Hot, dry summers and mild winters.


PERCENT OF TIME ORDINATE IS NOT EXCEEDED
99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 .5 .2 .1 .05 .01
1200Z
Cumulative Distribution of the
Observed Radio Refractivity Gradient
in the Ground-based 100-meter Layer
NICOSIA
February
May
August
November
REFRACTIVITY GRADIENT, N-UNITS/KM
300 200 100 0 -100 -200 -300 -400 -500 -600
EFFECTIVE EARTH RADIUS FACTOR, k
.5 .67 1 1.33 ∞ -1
.01 .05 .1 .2 .5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99
PERCENT OF TIME ORDINATE IS EXCEEDED


PERCENT OF TIME ORDINATE IS NOT EXCEEDED
99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 .5 .2 .1 .05 .01
Cumulative Distribution of the
Observed Radio Refractivity Gradient
in the Ground-based 100-meter Layer
NICOSIA
February Distributions
0200 LST
1400 LST
REFRACTIVITY GRADIENT, N-UNITS/KM
300 200 100 0 -100 -200 -300 -400 -500 -600
EFFECTIVE EARTH RADIUS FACTOR, k
.5 .67 1 1.33 ∞ -1
.01 .05 .1 .2 .5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99
PERCENT OF TIME ORDINATE IS EXCEEDED


PERCENT OF TIME ORDINATE IS NOT EXCEEDED
99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 .5 .2 .1 .05 .01
Cumulative Distribution of the
Observed Radio Refractivity Gradient
in the Ground-based 100-meter Layer
NICOSIA
May Distributions
1400 LST
0200 LST
REFRACTIVITY GRADIENT, N-UNITS/KM
300 200 100 0 -100 -200 -300 -400 -500 -600
EFFECTIVE EARTH RADIUS FACTOR, k
.5 .67 1 1.33 ∞ -1
.01 .05 .1 .2 .5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99
PERCENT OF TIME ORDINATE IS EXCEEDED


PERCENT OF TIME ORDINATE IS NOT EXCEEDED
99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 .5 .2 .1 .05 .01
Cumulative Distribution of the
Observed Radio Refractivity Gradient
in the Ground-based 100-meter Layer
NICOSIA
August Distributions
1400 LST
0200 LST
REFRACTIVITY GRADIENT, N-UNITS/KM
300 200 100 0 -100 -200 -300 -400 -500 -600
EFFECTIVE EARTH RADIUS FACTOR, k
.5 .67 1 1.33 ∞ -1
.01 .05 .1 .2 .5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99
PERCENT OF TIME ORDINATE IS EXCEEDED


PERCENT OF TIME ORDINATE IS NOT EXCEEDED
99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 .5 .2 .1 .05 .01
Cumulative Distribution of the
Observed Radio Refractivity Gradient
in the Ground-based 100-meter Layer
NICOSIA
November Distributions
0200 LST
1400 LST
REFRACTIVITY GRADIENT, N-UNITS/KM
300 200 100 0 -100 -200 -300 -400 -500 -600
EFFECTIVE EARTH RADIUS FACTOR, k
.5 .67 1 1.33 ∞ -1
.01 .05 .1 .2 .5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.8 99.9 99.99
PERCENT OF TIME ORDINATE IS EXCEEDED