

APPENDIX C. CUMULATIVE DISTRIBUTIONS OF THE OBSERVED RADIO REFRACTIVITY GRADIENT IN THE GROUND-BASED 100-METER LAYER.

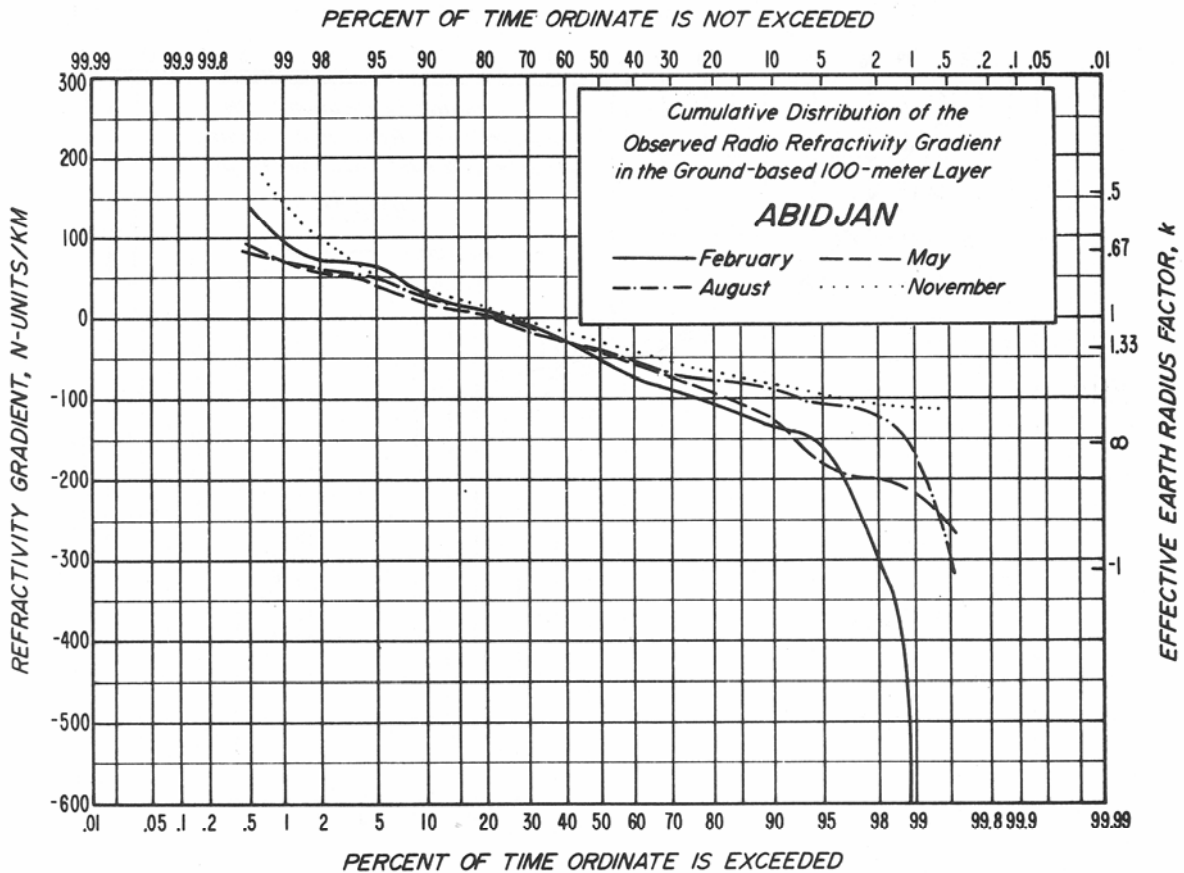
Stations are listed in alphabetical order, with the geographical coordinates, height above mean sea level, period of record, and climatological data. Unless otherwise indicated, temperatures listed are the average daily maximum and the average daily minimum, while precipitation data are the annual totals and the averages for the wettest and driest months. In most cases, the refractivity distributions are based upon radiosonde observations made only once or twice daily; note particularly that the graphs do not show the percentage of a year in which certain gradients may be expected to occur.

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AND CLIMATOLOGICAL DATA

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Abidjan/Port Bouet, Ivory Coast (W. Africa)

05-15 N, 03-56 W.

15 meters MSL

Data: Radiosonde.

0600Z (0600 LST)

8/58 - 8/62, 2/63 - 5/63

Temperature (°F):

January 88/73; July 83/73

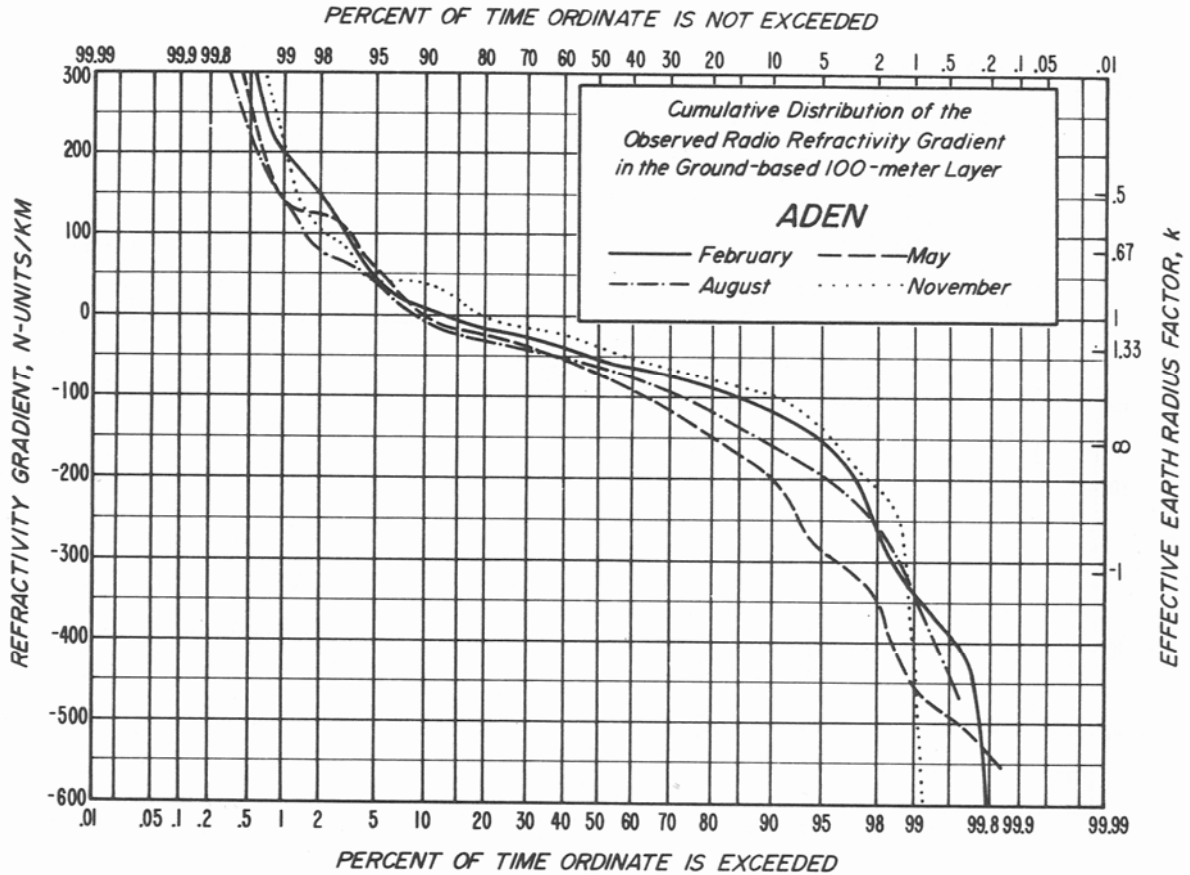
Mean Dewpoint (°F):

January 75; July 71

Precipitation (inches):

Annual 81.5; June 21.73; January 1.22

Located on the north shore of Ebrie lagoon; separated from the Atlantic Ocean by a sand bar. A humid tropical maritime climate.



Aden, Yemen

12-50 N, 45-01 E.

4 meters MSL

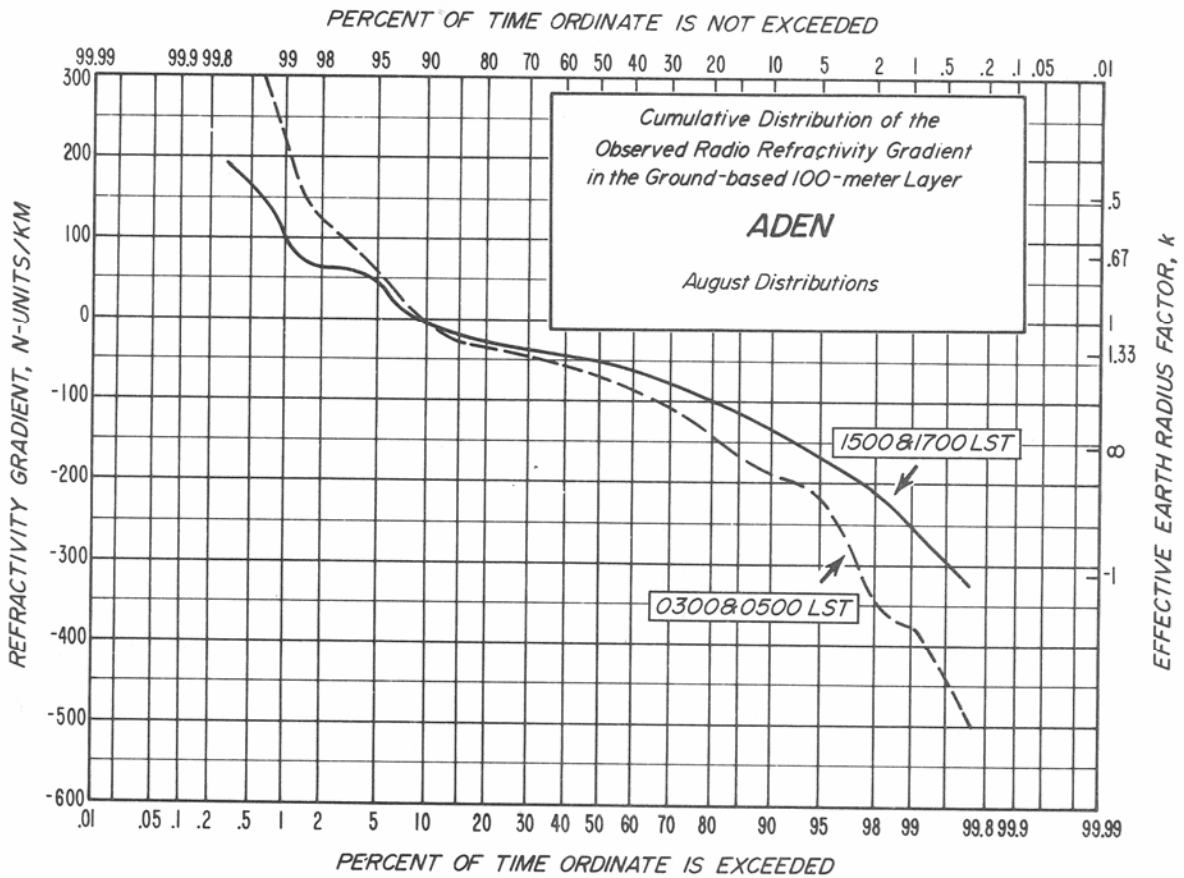
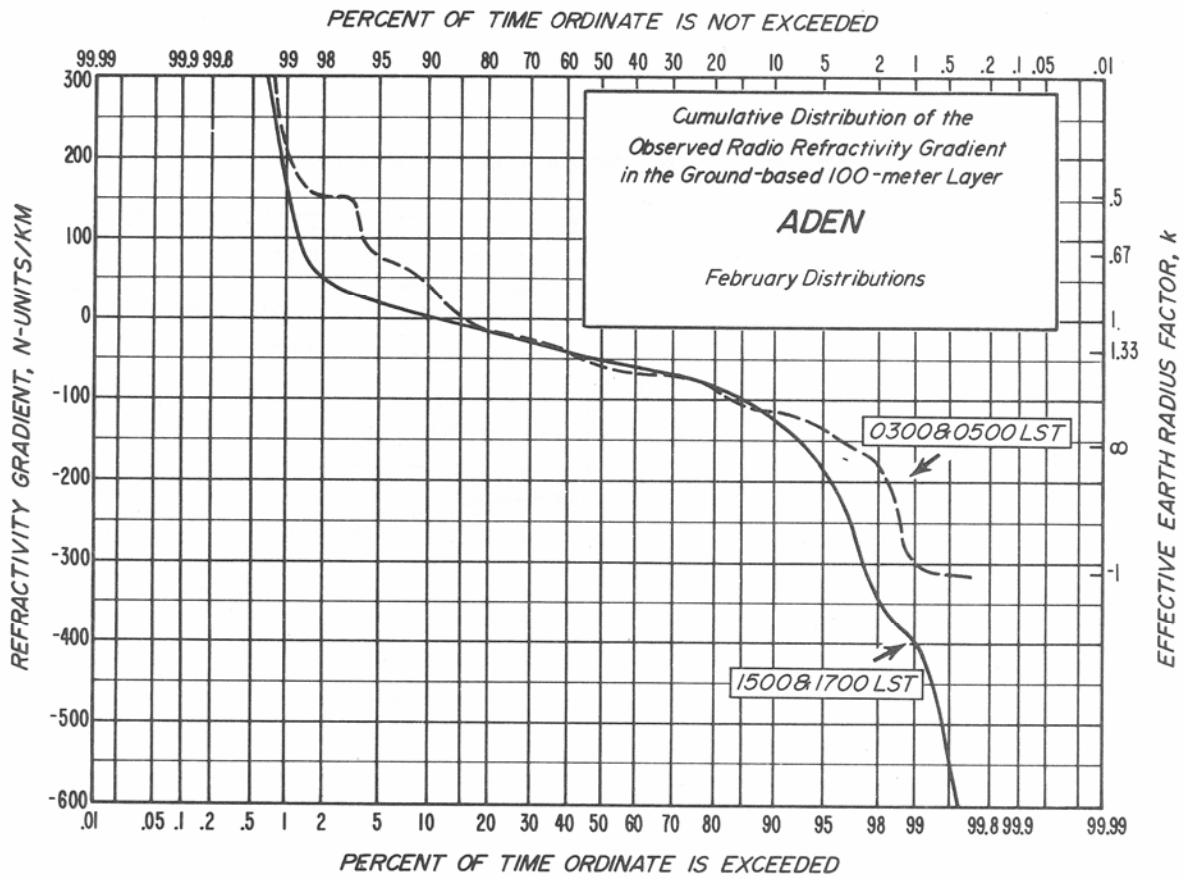
Data: Radiosonde. 0200 and 1400Z (0500 and 1700 LST)
 2/55 - 2/57
 0000 and 1200Z (0300 and 1500 LST)
 5/57 - 8/60

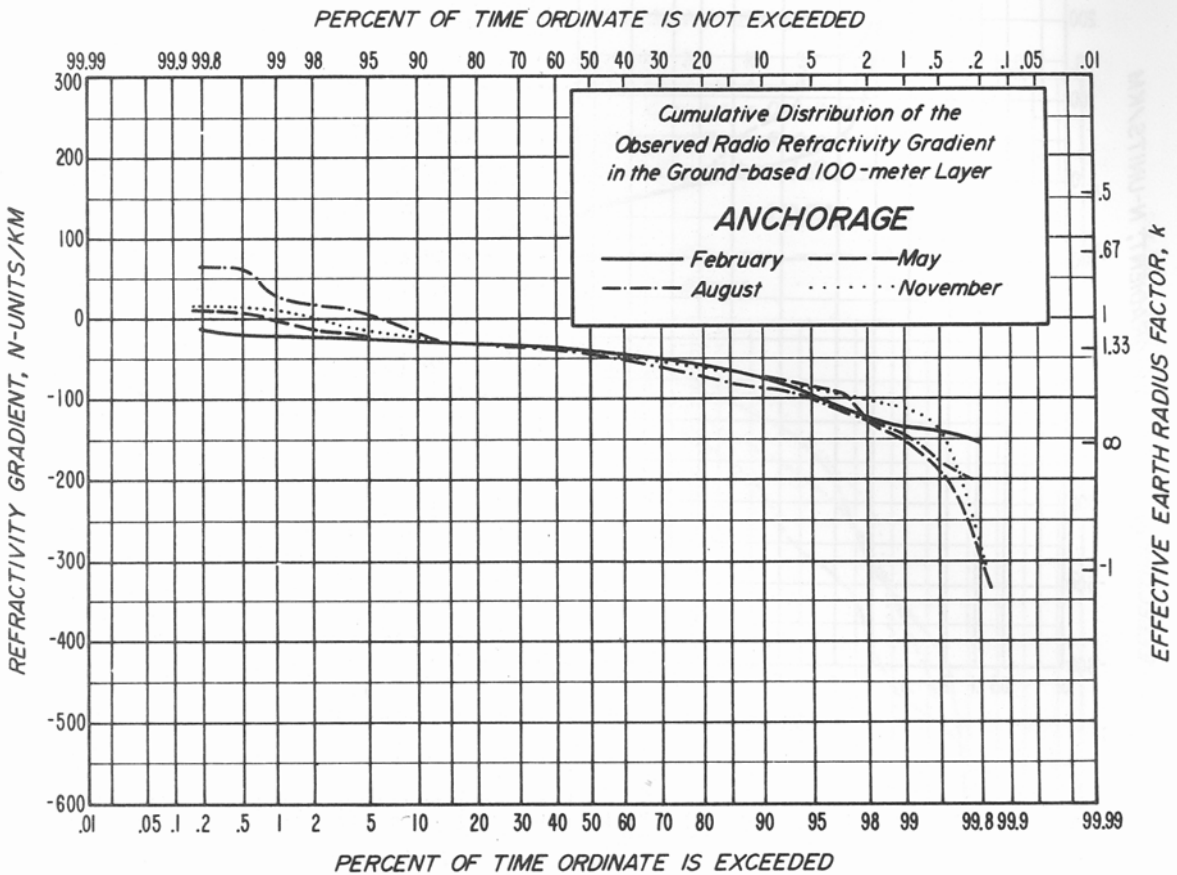
Temperature (°F): January 82/72; July 97/83

Mean Dewpoint (°F): January 67; July 73

Precipitation (inches): Annual 1.1; Jan., Mar., July, Dec. 0.20;
 Feb., Apr., May, June, Sept., Oct., Nov. 0.03

Located on the coast of southwest Arabian peninsula. An arid tropical climate; hot and humid April to October; cooler during rest of year in the northeast monsoon. No rainfall some years.





Anchorage, Alaska

61-10 N, 149-59 W.

40 meters MSL

Data: Radiosonde 0300 and 1500Z (1700 and 0500 LST)
8/52 - 5/57

Temperature (°F): January 20/4; July 66/50

Mean Dewpoint (°F): January 7; July 48

Precipitation (inches): Annual 14.7; August 2.57; April 0.42

Anchorage is in a broad valley with adjacent narrow bodies of water; Cook Inlet is approximately 2 miles west, north, and south. Alaska Mountains 100 miles to north form a barrier against extreme cold air masses. Cool maritime climate with considerable fog in winter months.