# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.**

**التقرير الجوي الشهري**

**JANUARY 1954**

**كانون الثاني ١٩٥٤**

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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# MONTH JANUARY 1954

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) (درجات مئوية) درجات الحرارة (م°) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Mosul*** موصل Q = 35° 29′ N. λ = 44° 24′ E. | 1-10 | 18.0 | 18.8 | 16.2 | 17.1 | 4.8 | 5.3 | 10.1 | 6.5 | 10.6 | 3.3 | 14.7 | 2 | 4.6 | 7 | 9.0 | 1 | —1.2 | 6 |
| Hs. = 223.6 m. | 11-20 | 21.2 | 21.8 | 19.7 | 21.2 | 1.4 | 2.5 | 10.0 | 3.2 | 10.8 | 0.8 | 14.1 | 11 | 7.0 | 12 | 4.3 | 12 | —3.2 | 14 |
| Hb. = 223.5 m. | 21-31 | 17.7 | 18.6 | 16.9 | 18.7 | 3.3 | 4.3 | 11.2 | 5.4 | 11.9 | 1.8 | 18.7 | 26 | 9.6 | 30 | 6.5 | 24 | —3.6 | 29 |
| ha = 13.2 m. | MONTH | 18.9 | 19.7 | 17.5 | 19.0 | 3.2 | 4.0 | 10.5 | 5.0 | 11.1 | 1.6 | 18.7 | 26 | 4.6 | 7 | 9.0 | 1 | —3.6 | 29 |
| ***Kirkuk*** كركوك Q = 35° 78′ N. λ = 44° 24′ E. | 1-10 | 17.1 | 17.4 | 15.5 | 16.1 | 6.7 | 7.9 | 10.3 | 7.5 | 11.3 | 5.2 | 19.1 | 2 | 8.0 | 7 | 9.8 | 2 | 0.5 | 6 |
| Hs. = 330.8 m. | 11-20 | 19.8 | 20.3 | 18.2 | 20.0 | 3.2 | 5.1 | 11.8 | 4.7 | 11.8 | 1.5 | 16.3 | 18 | 7.2 | 14 | 7.1 | 11 | —2.5 | 14 |
| Hb. = 331.7 m. | 21-31 | 16.3 | 17.2 | 15.4 | 16.9 | 5.9 | 7.5 | 12.9 | 7.6 | 13.6 | 4.3 | 18.8 | 25 | 8.9 | 22 | 8.7 | 27 | —2.7 | 29 |
| ha = 8.2 m. | MONTH | 17.7 | 18.3 | 16.3 | 17.7 | 5.2 | 6.8 | 11.5 | 6.6 | 12.3 | 3.7 | 18.8 | 25 | 7.2 | 14 | 9.8 | 2 | —2.7 | 29 |
| ***Khanaqin*** خانقين Q = 34° 18 N. λ = 45° 26 E. | 1-10 | ... | 17.1 | 15.9 | 17.0 | ... | 9.5 | 13.5 | 10.2 | 14.5 | 5.9 | 19.4 | 1 | 11.1 | 6 | 11.1 | 1 | 0.5 | 6 |
| Hs. = 201.2 m. | 11-20 | ... | 19.4 | 18.0 | 19.9 | ... | 6.2 | 14.1 | 7.0 | 14.9 | 1.9 | 15.8 | 16,18 | 12.5 | 14 | 6.1 | 13 | 0.0 | 15,16, 17,18,19 |
| Hb. = 202.1 m. | 21-31 | ... | 17.5 | 15.8 | 17.6 | ... | 8.1 | 15.4 | 9.3 | 16.1 | 3.9 | 19.4 | 25,26 | 11.6 | 21 | 8.9 | 28 | —0.1 | 22 |
| ha = 6.1 m. | MONTH | ... | 18.0 | 16.6 | 18.1 | ... | 7.9 | 14.3 | 8.8 | 15.2 | 3.9 | 19.4 | 1,25,26 | 11.1 | 6 | 11.1 | 1 | —0.1 | 22 |
| ***Baghdad*** بغداد Q = 33° 21′ N. λ = 44° 24′ E. | 1-10 | 16.7 | 16.0 | 16.0 | 16.8 | 9.4 | 9.7 | 14.5 | 10.5 | 15.1 | 5.5 | 18.3 | 1 | 13.0 | 6 | 13.1 | 1 | —0.4 | 7 |
| Hs. = 34.1 m. | 11-20 | 20.1 | 21.4 | 19.4 | 20.4 | 4.7 | 5.4 | 14.8 | 7.7 | 15.0 | 1.5 | 18.0 | 12 | 12.0 | 14 | 8.6 | 11 | —2.6 | 15 |
| Hb. = 40.4 m. | 21-31 | 16.5 | 18.3 | 16.3 | 17.6 | 6.9 | 8.2 | 15.9 | 9.3 | 17.3 | 3.9 | 20.4 | 24 | 12.2 | 21 | 8.2 | 27 | —1.8 | 30 |
| ha = 17.7 m. | MONTH | 17.7 | 19.2 | 17.2 | 18.3 | 7.0 | 7.8 | 15.0 | 9.1 | 15.9 | 3.5 | 20.4 | 24 | 12.0 | 14 | 13.2 | 1 | —2.6 | 15 |
| ***Habbaniyah*** حبانية Q = 33° 22′ N. λ = 44° 2′ E. | 1-10 | 16.4 | 16.6 | 17.1 | 16.0 | 8.4 | 6.8 | 12.8 | 12.1 | 15.1 | 5.7 | 18.9 | 1 | 11.6 | 2 | 12.2 | 1 | 1.6 | 6 |
| Hs. = 43.6 m. | 11-20 | 20.5 | 20.4 | 20.6 | 19.6 | 5.6 | 2.8 | 12.0 | 10.9 | 15.8 | 1.8 | 18.9 | 20 | 11.6 | 14 | 7.2 | 11 | —1.7 | 15 |
| Hb. = 44.5 m. | 21-31 | 17.2 | 16.7 | 17.5 | 16.4 | 8.0 | 5.3 | 14.8 | 13.3 | 17.2 | 3.8 | 21.1 | 24 | 12.8 | 21 | 6.6 | 28 | —1.1 | 23 |
| ha = 14.5 m. | MONTH | 18.0 | 17.9 | 18.4 | 17.3 | 7.4 | 5.0 | 13.2 | 12.1 | 15.9 | 3.7 | 21.1 | 24 | 11.6 | 2,14 | 12.2 | 1 | —1.7 | 15 |
| ***Rutba*** رطبة Q = 33° 02 N. λ = 40° 17 E. | 1-10 | 17.7 | 18.1 | 14.9 | 17.1 | 5.6 | 6.8 | 13.4 | 8.7 | 14.6 | 4.1 | 21.1 | 8 | 11.1 | 5 | 9.8 | 1 | 2.0 | 7 |
| Hs. = 615.5 m. | 11-20 | 22.4 | 22.6 | 18.7 | 21.5 | 0.7 | 2.2 | 11.6 | 4.2 | 12.4 | —1.5 | 15.0 | 20 | 9.6 | 14,15 | 5.2 | 11 | —4.9 | 15 |
| Hb. = 616.4 m. | 21-31 | 18.1 | 18.7 | 14.7 | 17.3 | 4.0 | 5.0 | 14.4 | 7.2 | 15.2 | 1.4 | 17.5 | 27 | 10.0 | 21 | 5.6 | 27 | —3.0 | 29 |
| ha = 16.1 m. | MONTH | 19.4 | 19.8 | 16.0 | 18.6 | 3.4 | 4.7 | 13.2 | 6.7 | 14.1 | 1.3 | 21.2 | 8 | 9.6 | 14,15 | 9.8 | 1 | —4.9 | 15 |
| ***Kut Al-Hai*** كوت الحي Q = 32° 10 N. λ = 46° 01 E. | 1-10 | ... | 18.4 | 16.0 | 16.8 | ... | 10.0 | 16.5 | 11.4 | 17.4 | 6.9 | 20.0 | 1,2 | 14.6 | 5 | 13.5 | 2 | 2.8 | 6 |
| Hs. = 14.9 m. | 11-20 | ... | 20.2 | 18.5 | 19.6 | ... | 7.0 | 15.8 | 8.8 | 16.3 | 3.3 | 18.5 | 18 | 12.5 | 15 | 12.2 | 11 | 0.9 | 20 |
| Hb. = 16.1 m. | 21-31 | ... | 17.4 | 15.6 | 16.9 | ... | 9.2 | 18.1 | 10.1 | 18.8 | 4.4 | 21.0 | 26,27 | 14.7 | 21 | 6.5 | 25 | 0.5 | 30 |
| ha = 7.9 m. | MONTH | ... | 18.6 | 16.7 | 17.7 | ... | 8.7 | 16.7 | 10.1 | 17.5 | 4.8 | 21.0 | 26,27 | 12.5 | 15 | 13.5 | 2 | 0.5 | 30 |
| ***Diwaniya*** ديوانية Q = 31° 59 N. λ = 44° 59 E. | 1-10 | 16.4 | 17.8 | 15.0 | 16.0 | 8.8 | 7.2 | 16.8 | 11.0 | 17.4 | 5.9 | 20.5 | 1 | 13.0 | 6 | 13.0 | 2 | 0.4 | 7 |
| Hs. = 20.4 m. | 11-20 | 19.1 | 20.6 | 18.3 | 19.0 | 3.8 | 2.4 | 15.4 | 8.1 | 15.8 | 1.4 | 18.2 | 20 | 12.4 | 15 | 8.7 | 11 | —2.2 | 20 |
| Hb. = 21.0 m | 21-31 | 15.6 | 17.4 | 15.3 | 16.5 | 5.2 | 4.1 | 17.8 | 9.4 | 18.3 | 3.1 | 21.6 | 27 | 13.7 | 21 | 6.0 | 27 | —1.5 | 30 |
| ha = 5.8 m. | MONTH | 17.0 | 18.6 | 16.2 | 17.3 | 5.9 | 4.5 | 16.6 | 9.5 | 17.2 | 3.4 | 21.6 | 27 | 12.4 | 15 | 13.0 | 2 | —2.2 | 20 |
| ***Nasiriya*** ناصرية Q = 31° 01 N. λ = 46° 16 E. | 1-10 | 11.8 | 18.0 | 15.4 | 16.3 | 9.3 | 10.8 | 18.1 | 12.0 | 18.7 | 6.8 | 23.5 | 1 | 14.4 | 6 | 13.1 | 2 | 2.0 | 7 |
| Hs. = 3.0 m. | 11-20 | 18.9 | 20.2 | 18.2 | 19.5 | 6.0 | 7.5 | 16.6 | 9.6 | 17.0 | 3.1 | 18.8 | 14,20 | 11.5 | 15 | 8.5 | 11 | —0.7 | 20 |
| Hb. = 8.7 m. | 21-31 | 15.8 | 17.5 | 15.5 | 16.8 | 6.5 | 8.6 | 13.4 | 10.6 | 19.0 | 3.4 | 21.7 | 25 | 15.5 | 21 | 6.8 | 25 | —1.1 | 30 |
| ha = 8.8 m. | MONTH | 17.1 | 18.5 | 16.3 | 17.5 | 7.2 | 8.9 | 17.7 | 10.7 | 18.3 | 4.4 | 23.5 | 1 | 11.5 | 15 | 13.1 | 2 | —1.1 | 30 |
| ***Basrah*** بصره Q = 30° 34 N. λ = 47° 47 E. | 1-10 | 16.6 | 17.8 | 15.5 | 16.3 | 10.1 | 12.4 | 19.0 | 13.0 | 19.8 | 8.3 | 24.1 | 1 | 15.0 | 6 | 14.4 | 2 | 3.8 | 7 |
| Hs. = 2.4 m. | 11-20 | 17.8 | 19.1 | 17.4 | 18.3 | 9.0 | 10.3 | 17.3 | 11.1 | 18.5 | 6.0 | 22.1 | 11 | 14.9 | 18 | 12.6 | 11 | 1.1 | 20 |
| Hb. = 13.7 m. | 21-31 | 15.5 | 16.9 | 15.1 | 16.0 | 7.9 | 10.4 | 19.7 | 11.5 | 19.5 | 5.5 | 23.9 | 25 | 13.8 | 22 | 11.1 | 25 | 1.3 | 30 |
| ha = 23.5 m. | MONTH | 16.6 | 17.9 | 15.3 | 16.9 | 9.0 | 11.0 | 18.3 | 11.8 | 19.2 | 6.6 | 21.1 | 1 | 14.9 | 18 | 14.4 | 2 | 1.1 | 20 |

# شهر كانون الثاني ١٩٥٤

| درجة الندى (م°) Dew Point (oC) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأثمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأثمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | مطول المطر بالمليمترات Rain Fall (mms.) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | أقصى كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in 24(hrs.) | التاريخ Date |
| 3.9 | 4.2 | 5.9 | 5.8 | 95 | 93 | 77 | 91 | 8.4 | 8.4 | 9.5 | 9.1 | 2.6 | 4.6 | 4.7 | 3.5 | 3.1 | 5.6 | 5.9 | 3.9 | 23.6 | 13.9 | 7 |
| −0.4 | −0.6 | 0.2 | 0.4 | 88 | 82 | 52 | 62 | 6.0 | 0.6 | 6.5 | 6.4 | 1.6 | 1.6 | 1.3 | 1.2 | 2.6 | 2.6 | 2.8 | 3.0 | 6.7 | 5.1 | 12 |
| 2.1 | 2.6 | 3.8 | 3.9 | 93 | 89 | 63 | 67 | 7.3 | 7.5 | 8.4 | 8.0 | 3.3 | 3.3 | 4.6 | 2.0 | 4.5 | 5.2 | 5.5 | 3.6 | 18.6 | 5.5 | 22 |
| 1.9 | 2.1 | 3.4 | 3.2 | 92 | 88 | 64 | 88 | 7.3 | 7.3 | 8.1 | 7.9 | 2.5 | 3.2 | 3.6 | 2.3 | 3.5 | 4.5 | 4.7 | 3.5 | 48.9 | 13.9 | 7 |
| 4.7 | 5.1 | 6.1 | 4.9 | 85 | 84 | 76 | 87 | 8.7 | 9.0 | 9.6 | 9.2 | 4.3 | 4.0 | 4.6 | 2.7 | 5.4 | 6.5 | 6.3 | 5.0 | 11.7 | 4.3 | 8 |
| −0.8 | 0.0 | −1.0 | −0.3 | 74 | 70 | 43 | 69 | 5.9 | 6.2 | 6.8 | 6.0 | 1.0 | 1.5 | 1.0 | 1.0 | 2.6 | 3.3 | 3.0 | 2.1 | 1.2 | 1.1 | 20 |
| 1.1 | 2.2 | 1.1 | 2.4 | 71 | 70 | 45 | 79 | 6.9 | 7.2 | 6.8 | 7.3 | 3.4 | 4.1 | 2.7 | 2.0 | 5.6 | 6.1 | 6.0 | 4.9 | 3.3 | 3.2 | 27 |
| 1.7 | 2.4 | 2.0 | 2.5 | 77 | 74 | 54 | 75 | 7.2 | 7.5 | 7.4 | 7.4 | 2.9 | 3.2 | 2.9 | 1.9 | 4.6 | 5.8 | 5.1 | 4.0 | 16.2 | 4.3 | 8 |
| ... | 5.2 | 6.5 | 6.5 | ... | 76 | 64 | 80 | ... | 9.0 | 9.9 | 9.9 | ... | 4.1 | 5.9 | 4.2 | ... | 5.3 | 6.9 | 4.6 | 36.1 | 21.1 | 2 |
| ... | 1.0 | 0.6 | 0.7 | ... | 66 | 35 | 62 | ... | 6.3 | 5.8 | 6.1 | ... | 1.9 | 1.6 | 1.5 | ... | 3.0 | 2.9 | 1.9 | 0.0 | 0.0 | ... |
| ... | 2.6 | 3.3 | 2.1 | ... | 63 | 44 | 57 | ... | 7.0 | 7.6 | 6.8 | ... | 4.4 | 2.6 | 3.0 | ... | 5.8 | 3.6 | 3.0 | 1.2 | 1.0 | 22 |
| ... | 2.9 | 3.4 | 3.1 | ... | 68 | 47 | 66 | ... | 7.4 | 7.8 | 7.6 | ... | 3.4 | 3.3 | 2.9 | ... | 4.5 | 4.4 | 3.1 | 37.3 | 21.1 | 2 |
| 6.0 | 6.7 | 7.5 | 6.9 | 81 | 83 | 64 | 80 | 9.4 | 10.0 | 10.6 | 10.1 | 1.3 | 3.1 | 4.2 | 2.0 | 3.9 | 4.9 | 5.3 | 3.4 | 13.8 | 11.7 | 2 |
| −1.1 | −1.2 | −1.4 | −0.3 | 67 | 62 | 34 | 54 | 5.8 | 5.6 | 5.6 | 5.6 | 0.5 | 0.4 | 0.0 | 0.0 | 1.1 | 2.9 | 3.2 | 2.2 | 0.0 | 0.0 | ... |
| 0.5 | 1.6 | 1.6 | 2.1 | 63 | 64 | 37 | 58 | 6.5 | 7.1 | 7.2 | 7.3 | 0.2 | 0.9 | 0.1 | 0.2 | 2.0 | 4.3 | 1.9 | 1.6 | 0.0 | 0.0 | ... |
| 1.8 | 2.3 | 2.6 | 2.9 | 70 | 69 | 45 | 64 | 7.2 | 7.6 | 7.8 | 7.6 | 0.6 | 1.5 | 1.4 | 0.7 | 2.4 | 4.0 | 3.4 | 2.4 | 13.8 | 11.7 | 2 |
| 6.4 | 5.8 | 7.9 | 8.1 | 88 | 92 | 73 | 77 | 9.7 | 9.2 | 10.7 | 10.9 | 0.7 | 2.1 | 1.8 | 1.2 | 3.7 | 2.6 | 4.8 | 4.5 | 9.0 | 4.6 | 2 |
| −0.6 | −0.6 | 0.8 | 1.0 | 64 | 74 | 46 | 50 | 5.9 | 5.6 | 6.5 | 6.6 | 0.0 | 0.3 | 0.0 | 0.3 | 0.7 | 1.6 | 2.8 | 2.0 | 0.0 | 0.0 | ... |
| 1.6 | 0.8 | 1.1 | 2.5 | 64 | 72 | 41 | 47 | 6.9 | 6.5 | 6.7 | 7.3 | 0.0 | 0.3 | 0.0 | 0.1 | 2.7 | 3.0 | 2.0 | 1.9 | 0.6 | 0.0 | ... |
| 2.5 | 2.1 | 3.3 | 4.0 | 72 | 79 | 53 | 57 | 7.5 | 7.1 | 7.9 | 8.2 | 0.2 | 0.9 | 0.6 | 0.5 | 2.4 | 2.4 | 3.2 | 2.8 | 9.1 | 4.6 | 2 |
| 3.0 | 3.2 | 2.1 | 3.3 | 84 | 79 | 48 | 71 | 7.8 | 7.9 | 7.2 | 7.9 | 3.0 | 3.6 | 4.1 | 3.5 | 3.6 | 5.0 | 5.1 | 4.8 | 6.7 | 6.7 | 4 |
| −5.7 | −4.5 | −4.0 | −4.1 | 62 | 61 | 34 | 55 | 3.9 | 4.3 | 4.6 | 4.5 | 1.1 | 0.3 | 2.0 | 0.9 | 1.5 | 1.9 | 2.6 | 1.6 | TR | TR | 20 |
| −0.4 | 0.0 | 0.6 | 0.0 | 74 | 71 | 40 | 58 | 6.0 | 6.2 | 6.6 | 6.2 | 2.0 | 1.3 | 2.3 | 2.3 | 3.4 | 2.7 | 3.5 | 2.7 | 0.5 | 0.5 | 30 |
| −1.0 | −0.4 | −0.4 | −0.3 | 73 | 70 | 41 | 61 | 5.9 | 6.1 | 6.1 | 6.2 | 2.0 | 1.7 | 2.8 | 2.2 | 2.9 | 3.2 | 3.7 | 3.0 | 7.2 | 6.7 | 4 |
| ... | 6.5 | 7.9 | 7.5 | ... | 80 | 58 | 74 | ... | 9.8 | 10.9 | 10.3 | ... | 2.2 | 2.1 | 1.3 | ... | 4.2 | 3.5 | 2.2 | 15.4 | 11.8 | 1 |
| ... | 1.0 | 1.6 | 1.1 | ... | 65 | 40 | 59 | ... | 6.8 | 7.2 | 6.7 | ... | 0.8 | 1.4 | 0.6 | ... | 2.7 | 3.2 | 3.2 | TR | TR | 20 |
| ... | 1.7 | 1.3 | 1.8 | ... | 69 | 33 | 57 | ... | 6.9 | 7.1 | 7.2 | ... | 1.2 | 0.2 | 0.0 | ... | 2.8 | 2.0 | 0.3 | 0 | 0 | ... |
| ... | 3.0 | 3.5 | 3.4 | ... | 68 | 43 | 53 | ... | 7.8 | 8.4 | 8.1 | ... | 1.4 | 1.2 | 0.6 | ... | 3.4 | 2.9 | 1.9 | 15.4 | 11.8 | 1 |
| 6.5 | 6.9 | 7.8 | 7.2 | 87 | 84 | 57 | 79 | 9.8 | 10.2 | 11.1 | 6.4 | 3.0 | 3.0 | 2.2 | 3.2 | 3.6 | 3.7 | 3.9 | 3.6 | 14.5 | 10.4 | 1 |
| 0.7 | 0.0 | 0.6 | 0.6 | 73 | 63 | 37 | 61 | 5.9 | 6.3 | 6.4 | 6.1 | 0.5 | 0.5 | 1.1 | 0.0 | 1.2 | 3.0 | 3.8 | 2.8 | 0.0 | 0.0 | ... |
| 1.1 | 2.6 | 5.4 | 3.5 | 75 | 65 | 46 | 67 | 6.9 | 7.4 | 9.2 | 8.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.5 | 2.7 | 2.0 | 0.0 | 0.0 | 0.0 | ... |
| 2.3 | 3.1 | 4.6 | 3.7 | 78 | 71 | 47 | 69 | 7.5 | 7.9 | 8.9 | 6.9 | 1.2 | 1.2 | 1.1 | 1.1 | 1.7 | 3.1 | 3.2 | 2.1 | 14.5 | 10.4 | 1 |
| 6.5 | 6.6 | 7.0 | 7.2 | 84 | 77 | 51 | 74 | 10.0 | 10.1 | 10.5 | 10.4 | 0.8 | 1.4 | 1.4 | 0.8 | 0.8 | 2.6 | 3.3 | 1.0 | 1.8 | 1.8 | 2 |
| 1.3 | 0.1 | 1.1 | 1.3 | 74 | 60 | 30 | 54 | 7.0 | 6.5 | 5.7 | 6.8 | 1.4 | 0.9 | 2.3 | 1.1 | 3.1 | 3.7 | 4.4 | 4.7 | 0.5 | 0.5 | 18 |
| 1.1 | 1.0 | 2.3 | 2.3 | 70 | 63 | 35 | 59 | 6.8 | 7.0 | 7.5 | 7.4 | 0.2 | 0.6 | 1.0 | 0.0 | 1.8 | 2.5 | 3.3 | 0.6 | 0.1 | 0.1 | 21 |
| 2.3 | 2.5 | 3.4 | 3.5 | 76 | 67 | 39 | 62 | 7.9 | 7.9 | 7.9 | 8.2 | 0.8 | 1.0 | 1.5 | 0.6 | 1.9 | 2.9 | 3.7 | 2.4 | 2.4 | 1.8 | 2 |
| 8.6 | 10.0 | 10.9 | 10.8 | 91 | 86 | 61 | 87 | 11.5 | 12.6 | 13.3 | 13.3 | 0.8 | 0.5 | 0.6 | 0.2 | 1.1 | 2.3 | 2.9 | 0.9 | 1.9 | 1.8 | 2 |
| 5.5 | 6.3 | 7.1 | 6.0 | 85 | 77 | 52 | 72 | 9.9 | 9.8 | 10.3 | 9.5 | 0.8 | 0.2 | 0.5 | 0.3 | 4.4 | 3.6 | 3.6 | 4.1 | 0.6 | 0.5 | 18 |
| 5.5 | 6.4 | 7.3 | 7.6 | 85 | 77 | 49 | 77 | 9.3 | 9.8 | 10.8 | 10.6 | 0.0 | 0.5 | 0.2 | 0.0 | 1.9 | 2.6 | 2.9 | 1.0 | 0.2 | 0.2 | 24 |
| 6.8 | 7.6 | 8.5 | 8.1 | 87 | 80 | 54 | 79 | 10.2 | 10.7 | 11.4 | 11.1 | 0.5 | 0.4 | 0.4 | 0.3 | 2.5 | 2.8 | 3.1 | 2.0 | 2.7 | 1.8 | 2 |

# MONTH JANUARY 1954

| المحطة STATION | المدة Period | Numbers of Days. عدد الأيام: مطر Rain | ثلج Snow | برد Hail. | عاصفة رعدية Thunderstorms. | ضباب Fog. | زوبعة غبار Duststorm | الجو صحو Clear. | الجو غائم Cloudy. | هطول المطر بالمليمترات Rainfall (mms.) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observations. 0000 (G.M.T.): شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي شرقي NW. | هادئ C. | معدل السرعة بالعقد Wk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 36° 19' N. | 1—10 | 6 | 0 | 0 | 0 | 3 | 0 | 1 | 8 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 2 |
| X = 43° 09' E. | 11—20 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 7 | 3 |
| Hs. = 222.6 m. Ho. = 223.5 m. | 21—31 | 6 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 5 | 0 | 4 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 8 | 6 |
| ha = 13.1 m. | MONTH | 14 | 0 | 1 | 0 | 4 | 0 | 6 | 7 | 10 | 1 | 4 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 2 | 0 | 24 | 4 |
| **Kirkuk** كركوك | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28' N. | 1—10 | 4 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 4 | 0 | 0 | 0 | 1 | 2 | 0 | 4 | 1 | 0 | 0 | 1 | 1 | 6 |
| X = 44° 21' E. | 11—20 | 1 | 0 | 1 | 0 | 0 | 0 | 4 | 1 | 1 | 0 | 1 | 0 | 2 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| Hs. = 350.8 m. Ho. = 331.7 m. | 21—31 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 12 | 6 |
| ha = 8.2 m. | MONTH | 6 | 0 | 1 | 0 | 1 | 0 | 6 | 10 | 6 | 0 | 1 | 0 | 3 | 7 | 7 | 9 | 1 | 0 | 0 | 1 | 3 | 6 |
| **Khanaqin** خانقين | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18' N. | 1—10 | 3 | 0 | 0 | 1 | 2 | 0 | 0 | 5 | 3 | 2 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| X = 45 26 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21—31 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 5 | 0 | 0 | 1 | 2 | 0 | 6 | 7 | 4 | 2 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| **Baghdad** بغداد | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20' N. | 1—10 | 4 | 0 | 0 | 0 | 4 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 4 | 2 | 0 | 0 | 2 | 0 | 12 |
| X = 44 24 E. | 11—29 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 0 | 0 | 4 | 0 | 8 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 2 | 0 | 0 | 2 | 1 | 5 |
| ha = 17.7 m. | MONTH | 4 | 0 | 0 | 0 | 4 | 0 | 7 | 1 | 1 | 1 | 1 | 0 | 5 | 0 | 3 | 7 | 7 | 0 | 0 | 8 | 1 | 8 |
| **Habbaniya** حبانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 22' N. | 1—10 | 4 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 6 | 5 |
| X = 43 34 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 0 | 1 | 3 | 0 | 8 |
| Hs. = 34.6 m. Hb. = 44.5 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 3 | 3 | 5 |
| ha = 14.9 m. | MONTH | 4 | 0 | 0 | 0 | 2 | 1 | 9 | 0 | 3 | 0 | 2 | 0 | 3 | 0 | 2 | 5 | 3 | 1 | 2 | 6 | 9 | 6 |
| **Rutba** رطبة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 02' N. | 1—10 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 2 | 0 | 3 | 6 |
| X = 40 17 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 5 | 5 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21—31 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 4 | 6 |
| ha = 16.1 m. | MONTH | 2 | 0 | 0 | 0 | 2 | 1 | 7 | 2 | 1 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 3 | 11 | 4 | 0 | 12 | 6 |
| **Kut Al-Hai** كوت الحي | | | | | | | | | | | | | | | | | | | | | | | |
| Q. = 32° 10' N. | 1—10 | 3 | 0 | 0 | 1 | 1 | 0 | 3 | 1 | 2 | 1 | 1 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| X = 46 03' E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | — |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | — |
| ha = 7.9 m. | MONTH | 3 | 0 | 0 | 1 | 1 | 0 | 12 | 2 | 2 | 1 | 1 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **Diwaniya** الديوانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59' N. | 1—10 | 3 | 0 | 0 | 1 | 1 | 1 | 3 | 2 | 3 | 1 | 2 | 0 | 2 | 0 | 3 | 1 | 1 | 0 | 1 | 1 | 1 | 6 |
| N = 44 59 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 4 | 0 | 1 | 9 |
| Hs. = 20.4 m. Ho. = 21.0 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 2 | 2 | 2 | 5 |
| ha = 5.8 m. | MONTH | 3 | 0 | 0 | 1 | 1 | 1 | 13 | 2 | 3 | 1 | 2 | 0 | 4 | 0 | 6 | 2 | 4 | 1 | 7 | 3 | 4 | 7 |
| **Nasiriya** ناصرية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01' N. | 1—10 | 1 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 3 | 0 | 0 | 3 | 0 | 8 |
| X = 46 16 E. | 11—20 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 3 | 7 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21—31 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 1 | 3 | 1 | 6 |
| ha = 3.8 m. | MONTH | 2 | 0 | 0 | 0 | 3 | 2 | 9 | 1 | 1 | 0 | 0 | 0 | 5 | 0 | 7 | 1 | 3 | 0 | 2 | 9 | 4 | 7 |
| **Basra** بصرة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 30° 34' N. | 1—10 | 1 | 0 | 0 | 1 | 6 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 3 | 2 | 1 | 5 |
| X = 47 47 E. | 11—20 | 1 | 0 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | 3 | 2 | 0 | 4 |
| Hs. = 2.4 m. Hb = 13.7 m. | 21—31 | 1 | 0 | 0 | 0 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 2 | 3 | 1 | 4 |
| ha = 23.5 m. | MONTH | 3 | 0 | 0 | 1 | 10 | 0 | 12 | 3 | 1 | 0 | 0 | 0 | 2 | 2 | 6 | 2 | 0 | 2 | 8 | 7 | 2 | 4 |

# شهر كانون الثانى ١٩٥٤

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

| 0600 (G.M.T.) | | | | | | | | | | 1200 (G.M.T.) | | | | | | | | | | 1800 (G.M.T.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| شمالي N. | شمالي شرقي NE | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
| 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 4 | 1 | 1 | 2 | 0 | 1 | 0 | 3 | 0 | 2 | 9 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 5 | 4 |
| 0 | 0 | 0 | 2 | 1 | 0 | 2 | 3 | 2 | 7 | 0 | 2 | 1 | 0 | 1 | 0 | 3 | 2 | 1 | 10 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 6 | 3 |
| 1 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 7 | 0 | 1 | 4 | 1 | 1 | 0 | 2 | 0 | 2 | 9 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 6 | 5 |
| 3 | 3 | 1 | 2 | 1 | 0 | 3 | 6 | 12 | 6 | 1 | 4 | 7 | 1 | 3 | 0 | 8 | 2 | 5 | 9 | 0 | 1 | 6 | 1 | 0 | 1 | 4 | 1 | 17 | 4 |
| 0 | 1 | 1 | 3 | 3 | 1 | 0 | 1 | 0 | 5 | 0 | 0 | 1 | 4 | 2 | 0 | 0 | 3 | 0 | 8 | 3 | 1 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 7 |
| 2 | 1 | 2 | 3 | 1 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 2 | 7 | 3 | 2 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 5 |
| 1 | 2 | 4 | 1 | 0 | 0 | 1 | 0 | 2 | 5 | 0 | 0 | 0 | 3 | 1 | 2 | 3 | 1 | 1 | 6 | 1 | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 1 | 4 |
| 3 | 4 | 7 | 7 | 4 | 1 | 1 | 1 | 3 | 5 | 3 | 0 | 1 | 7 | 6 | 2 | 3 | 6 | 3 | 7 | 7 | 7 | 6 | 7 | 1 | 0 | 0 | 1 | 2 | 5 |
| 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 5 | 4 | 1 | 0 | 1 | 0 | 5 | 0 | 1 | 0 | 2 | 8 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 6 | 4 |
| 0 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 5 | 3 | 1 | 0 | 0 | 0 | 2 | 0 | 3 | 3 | 1 | 7 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 7 | 1 |
| 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 7 | 3 | 1 | 0 | 1 | 1 | 1 | 0 | 5 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 10 | 1 |
| 0 | 0 | 2 | 1 | 8 | 1 | 2 | 0 | 17 | 8 | 3 | 0 | 2 | 1 | 8 | 0 | 9 | 3 | 5 | 7 | 0 | 0 | 2 | 1 | 3 | 0 | 2 | 0 | 23 | 2 |
| 0 | 0 | 0 | 2 | 2 | 1 | 1 | 4 | 0 | 10 | 2 | 0 | 0 | 0 | 4 | 0 | 1 | 3 | 0 | 10 | 1 | 1 | 0 | 3 | 2 | 0 | 0 | 2 | 1 | 8 |
| 0 | 0 | 0 | 0 | 2 | 1 | 0 | 7 | 0 | 9 | 3 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 0 | 13 | 3 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 1 | 10 |
| 0 | 0 | 1 | 1 | 2 | 1 | 0 | 5 | 1 | 6 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 4 | 0 | 9 | 2 | 1 | 2 | 1 | 1 | 0 | 0 | 2 | 2 | 4 |
| 0 | 0 | 1 | 3 | 6 | 3 | 1 | 16 | 1 | 8 | 5 | 1 | 1 | 2 | 7 | 2 | 2 | 11 | 0 | 11 | 6 | 2 | 2 | 6 | 4 | 0 | 0 | 7 | 4 | 7 |
| 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 7 | 4 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 2 | 3 | 7 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 5 | 4 |
| 2 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 2 | 5 | 2 | 0 | 0 | 0 | 2 | 1 | 2 | 3 | 0 | 12 | 3 | 0 | 0 | 1 | 0 | 1 | 1 | 2 | 2 | 7 |
| 0 | 0 | 0 | 2 | 1 | 0 | 1 | 3 | 4 | 5 | 0 | 1 | 0 | 2 | 2 | 0 | 1 | 3 | 2 | 10 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 3 | 3 | 5 |
| 2 | 0 | 1 | 4 | 1 | 0 | 3 | 7 | 13 | 5 | 2 | 1 | 0 | 4 | 4 | 2 | 5 | 8 | 5 | 10 | 4 | 1 | 2 | 3 | 3 | 1 | 1 | 6 | 10 | 5 |
| 0 | 0 | 1 | 1 | 1 | 2 | 3 | 1 | 1 | 9 | 0 | 1 | 0 | 0 | 1 | 1 | 6 | 0 | 1 | 12 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 0 | 4 | 6 |
| 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 2 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 10 | 0 | 1 | 1 | 0 | 2 | 2 | 0 | 0 | 4 | 5 |
| 0 | 0 | 0 | 0 | 2 | 6 | 1 | 1 | 1 | 6 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 1 | 2 | 11 | 1 | 1 | 0 | 1 | 0 | 2 | 1 | 1 | 4 | 7 |
| 0 | 0 | 1 | 1 | 7 | 12 | 4 | 2 | 4 | 8 | 0 | 1 | 0 | 1 | 3 | 5 | 12 | 3 | 6 | 11 | 1 | 2 | 2 | 2 | 2 | 5 | 4 | 1 | 12 | 6 |
| 1 | 0 | 3 | 0 | 2 | 0 | 4 | 0 | 0 | 6 | 1 | 1 | 3 | 0 | 0 | 1 | 1 | 3 | 0 | 9 | 1 | 0 | 3 | 2 | 0 | 1 | 2 | 1 | 0 | 7 |
| 0 | 0 | 1 | 0 | 0 | 1 | 5 | 3 | 0 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 4 | 0 | 6 | 1 | 0 | 1 | 0 | 0 | 1 | 5 | 2 | 0 | 5 |
| 0 | 0 | 3 | 0 | 2 | 0 | 5 | 1 | 0 | 4 | 0 | 0 | 2 | 0 | 2 | 0 | 3 | 4 | 0 | 8 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 1 | 4 | 3 |
| 1 | 0 | 7 | 0 | 4 | 1 | 14 | 4 | 0 | 5 | 2 | 1 | 5 | 0 | 3 | 1 | 8 | 11 | 0 | 8 | 2 | 0 | 7 | 2 | 0 | 2 | 11 | 4 | 4 | 5 |
| 1 | 1 | 1 | 2 | 0 | 0 | 3 | 0 | 2 | 11 | 3 | 0 | 2 | 3 | 0 | 0 | 2 | 0 | 0 | 12 | 2 | 0 | 1 | 3 | 1 | 0 | 2 | 0 | 1 | 10 |
| 5 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 1 | 0 | 5 | 2 | 0 | 12 | 4 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 1 | 7 |
| 1 | 0 | 1 | 2 | 0 | 1 | 4 | 0 | 2 | 6 | 2 | 0 | 2 | 2 | 1 | 1 | 3 | 0 | 0 | 19 | 2 | 0 | 3 | 1 | 0 | 0 | 1 | 3 | 1 | 5 |
| 7 | 1 | 2 | 4 | 1 | 1 | 11 | 0 | 4 | 8 | 7 | 0 | 4 | 5 | 2 | 1 | 10 | 2 | 0 | 11 | 8 | 0 | 4 | 5 | 1 | 0 | 6 | 4 | 3 | 7 |
| 1 | 0 | 1 | 2 | 0 | 1 | 2 | 3 | 0 | 10 | 1 | 0 | 3 | 0 | 1 | 0 | 2 | 3 | 0 | 11 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 3 | 1 | 8 |
| 3 | 0 | 0 | 0 | 2 | 0 | 2 | 3 | 0 | 8 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 10 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 2 | 6 |
| 1 | 0 | 0 | 1 | 2 | 1 | 3 | 3 | 0 | 9 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 5 | 1 | 11 | 1 | 0 | 4 | 0 | 1 | 0 | 1 | 3 | 1 | 6 |
| 5 | 0 | 1 | 3 | 4 | 2 | 7 | 9 | 0 | 9 | 5 | 0 | 3 | 2 | 3 | 1 | 2 | 14 | 1 | 11 | 3 | 0 | 8 | 2 | 1 | 0 | 3 | 10 | 4 | 7 |
| 0 | 0 | 2 | 2 | 1 | 0 | 2 | 3 | 0 | 6 | 2 | 0 | 1 | 2 | 0 | 1 | 3 | 0 | 1 | 9 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 4 | 2 | 5 |
| 1 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 0 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 7 | 2 | 0 | 1 | 0 | 0 | 0 | 3 | 4 | 0 | 8 |
| 1 | 0 | 0 | 2 | 1 | 1 | 4 | 0 | 2 | 4 | 1 | 0 | 1 | 2 | 0 | 0 | 4 | 3 | 0 | 9 | 1 | 0 | 0 | 2 | 1 | 0 | 3 | 4 | 0 | 7 |
| 2 | 0 | 2 | 4 | 3 | 1 | 9 | 8 | 2 | 5 | 5 | 0 | 2 | 4 | 0 | 1 | 11 | 6 | 2 | 8 | 2 | 0 | 2 | 5 | 1 | 0 | 6 | 13 | 2 | 6 |

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha (متر Meters) | الارتفاع Height Ha (متر Meters) | DISTRIBUTION OF WIND توزيع الريح: أكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | استدامة Duration (ساعات hrs.) | ٢١ الى ٣٥ عقدة 21—35 Kts. عدد الايام No. of days | DURATION استدامة: ١١—٢٠ عقدة 11—20 Kts. (ساعات hrs.) | ٤—١٠ عقدة 4—10 Kts. (ساعات hrs.) | أقل من ٤ عقد < 4 Kts. (ساعات hrs.) | لاقيد No. Record (ساعات hrs.) | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind. الاتجاه Veer, From N (درجات deg.) | السرعة Speed. (عقدة Knots) | الساعة المنتهي فيها Hour endut (س h. ي d.) | أعلى عصفة Highest Gust, السرعة Speed. (عقدة Knots.) | الوقت Time (س h. ي d.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | ... | 2 | 2 | 213 | 476 | 46 | 7 | 170 | 22 | 8 1930<br>9 0030 | 43 | 8 1945 |

## ADDITIONAL DATA — مدلولات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun Shine (hours) | درجة حرارة الارض Temperature of Earth. على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days. الصقيع الارضي Ground from, | النهاية الصغرى أقل من ١- Min < 1- | النهاية العظمى أكثر من ١٨ Max > 18 | عدد مرات كون الغيم أكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More tuan 4/8 and Lower than 300 Meters. | قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية 3 Hourly Values of Temp. °C and Relative Himidity % — الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 154.5 | —0.6 | 7.6 | 13.6 | ... | 16 | 9 | 2 | 6 | الحرارة Temperature | 3.2 | 2.7 | 4.0 | 8.4 | 10.5 | 7.5 | 5.0 | 3.8 |
| | | | | | | | | | | الرطوبة Humidity | 92 | 93 | 88 | 72 | 64 | 80 | 88 | 89 |
| KIRKUK ... | ... | ... | 9.0 | 13.2 | ... | 8 | 3 | 2 | 0 | الحرارة Temperature | 5.2 | 5.0 | 6.8 | 10.1 | 11.5 | 8.8 | 6.6 | 5.9 |
| | | | | | | | | | | الرطوبة Humidity | 77 | 79 | 74 | 62 | 54 | 73 | 75 | 45 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 7 | 0 | 5 | 0 | الحرارة Temperature | ... | 6.0 | 7.3 | ... | 14.4 | 11.9 | 8.8 | ... |
| | | | | | | | | | | الرطوبة Humidity | ... | 76 | 68 | ... | 47 | 54 | 66 | ... |
| BAGHDAD ... | 231.5 | 1.1 | 11.5 | 18.1 | 24.7 | 0 | 5 | 6 | 0 | الحرارة Temperature | 7.0 | 5.6 | 7.8 | 13.9 | 15.0 | 12.0 | 9.1 | 7.7 |
| | | | | | | | | | | الرطوبة Humidity | 70 | 76 | 69 | 50 | 45 | 56 | 64 | 69 |
| HABBANIYA ... | 221.7 | ... | 13.4 | 18.5 | ... | 8 | 3 | 7 | 8 | الحرارة Temperature | 7.4 | 6.0 | 5.0 | 6.9 | 13.2 | 15.4 | 12.1 | 8.9 |
| | | | | | | | | | | الرطوبة Humidity | 72 | 75 | 79 | 75 | 58 | 44 | 57 | 66 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 8 | 1 | 2 | الحرارة Temperature | 3.4 | 2.4 | 4.7 | 11.0 | 13.2 | 10.8 | 6.7 | 4.7 |
| | | | | | | | | | | الرطوبة Humidity | 72 | 78 | 70 | 48 | 41 | 48 | 61 | 70 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 0 | 15 | 0 | الحرارة Temperatue | ... | 6.2 | 8.7 | 15.0 | 16.8 | 13.4 | 10.1 | ... |
| | | | | | | | | | | الرطوبة Humidity | ... | 75 | 68 | 50 | 43 | 56 | 63 | ... |
| DIWANIYA ... | ... | ... | ... | ... | ... | 2 | 2 | 11 | 2 | الحرارة Temperature | 5.9 | 4.5 | 8.3 | 14.6 | 16.7 | 13.0 | 9.2 | 7.2 |
| | | | | | | | | | | الرطوبة Humidity | 78 | 78 | 71 | 54 | 47 | 58 | 69 | 74 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 1 | 15 | 2 | الحرارة Temperature | 7.2 | 5.7 | 8.9 | 15.8 | 17.7 | 13.7 | 10.6 | ... |
| | | | | | | | | | | الرطوبة Humidity | 75 | 79 | 67 | 47 | 39 | 55 | 62 | ... |
| BASRA ... | 237.4 | 0.5 | ... | ... | 10.8 | 4 | 0 | 20 | 8 | الحرارة Temperature | 9.0 | 7.8 | 11.0 | 16.9 | 18.3 | 14.4 | 11.8 | 10.1 |
| | | | | | | | | | | الرطوبة Humidity | 87 | 89 | 80 | 59 | 54 | 69 | 79 | 84 |
| SHAIBA ... | 241.0 | ... | 13.5 | 17.6 | ... | 0 | 0 | 15 | 0 | الحرارة Temperature | 9.7 | 8.3 | 6.6 | 10.1 | 15.5 | 13.1 | 14.6 | 11.6 |
| | | | | | | | | | | الرطوبة Humidity | 78 | 83 | 86 | 77 | 52 | 47 | 58 | 72 |
| | | | | | | | | | | الحرارة Temperature | | | | | | | | |
| | | | | | | | | | | الرطوبة Humidity | | | | | | | | |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS. مدلولات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo .... | 37 | 08 | 42 | 41 | 80.1 | Sulaimanya ... | 35 | 33 | 45 | 25 | 47.9 | Hilla ... | 32 | 29 | 44 | 26 | 33.3 |
| Amadia ... | 37 | 05 | 43 | 30 | 129.3 | Chamchamal ... | 35 | 32 | 44 | 51 | 108.0 | Hit .... | 33 | 4 | 42 | 55 | 3.9 |
| Aqra ... | 36 | 45 | 43 | 53 | 227.3 | Penjwin ... | 35 | 37 | 45 | 58 | 268.4 | Hindiya ... | 32 | 42 | 41 | 17 | 32.4 |
| Duhok ... | 36 | 52 | 43 | 02 | 84.5 | Ha'abja ... | 35 | 11 | 45 | 59 | 83.9 | Karbal ... | 32 | 37 | 44 | 01 | 19.1 |
| Sanat ... | 36 | 47 | 42 | 48 | 243.5 | Chwarta ... | 35 | 44 | 45 | 33 | 116.4 | Anah ... | 32 | 28 | 41 | 57 | 0.0 |
| Sarsank ... | 36 | 58 | 43 | 32 | 163.2 | Bakrajo ... | 35 | 34 | 45 | 23 | 61.7 | Samawa ... | 31 | 20 | 45 | 15 | 10.2 |
| Sijar ... | 36 | 19 | 41 | 50 | 108.9 | Iftikhar ... | 35 | 03 | 44 | 27 | 7.6 | Kut ... | 32 | 30 | 45 | 45 | 15.0 |
| Telafar ... | 36 | 22 | 42 | 28 | 41.6 | Al-Mansur .... | 34 | 05 | 44 | 58 | 30.2 | Qala't Sukar ... | 31 | 52 | 46 | 05 | 16.5 |
| Arbil ... | 36 | 11 | 44 | 00 | 89.1 | Tuz ... | 34 | 50 | 44 | 30 | 10.4 | A'mara ... | 31 | 51 | 47 | 10 | 18.8 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 141.0 | Jalawla .... | 34 | 16 | 45 | 09 | 25.4 | Bada'a ... | 31 | 05 | 45 | 55 | 2.0 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | 141.3 | Mandily ... | 33 | 45 | 45 | 33 | 14.5 | Ur ... | 30 | 58 | 46 | 05 | 7.9 |
| Rayat ... | 36 | 41 | 44 | 57 | 62.5 | Samarra ... | 34 | 11 | 45 | 50 | 2.5 | Fao ... | 29 | 59 | 48 | 30 | 2.0 |

## NOTES ON TABLES

***Mean Air Pressure.*** — Is expressed in the millibars, the initial 9 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0600 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all abservation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only, where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office, Air Ministry London.

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٠٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥° . لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق . ان ارتفاع بصلات المحارير ١٫٣ متر فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف المدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان لمقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠ متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٠١/٨ والايام الغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨ / ٧ أو ٨ / ٨ .

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ، ≥ ٨ اذا كان الريح مساويا الى هذين للقياسين أو أكثر في ساعات الرصد فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح ( الانيمومتر ) عن سطح الارض

Hs = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كرينيج = وقت بغداد المحلي - ٣ ساعات

ان مدلولات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر باذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

Director
United States Weath
2400th and M Stre
WASHINGTON 25 D.C

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.** التقرير الجوي الشهري

**FEBRUARY 1954** شباط ١٩٥٤

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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WEATHER BUREAU

# MONTH FEBRUARY 1954

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) (درجات مئوية) درجات الحرارة ام° المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل | | | | | | | | | | | | | | | | | | | |
| Q = 36° 28′ N. | 1-10 | 16.0 | 17.1 | 15.0 | 15.5 | 4.6 | 5.2 | 11.2 | 7.5 | 12.4 | 2.8 | 15.9 | 2 | 9.2 | 10 | 6.9 | 5 | —0.2 | 2 |
| X = 44° 24′ E. | 11-20 | 15.6 | 16.6 | 14.1 | 15.5 | 7.1 | 8.2 | 14.7 | 9.6 | 15.3 | 5.5 | 18.6 | 18 | 9.7 | 19 | 8.6 | 20 | 1.3 | 17 |
| Hs. = 222.6 m. Hb. = 223.5 m. | 21-28 | 17.6 | 18.5 | 16.7 | 18.5 | 5.5 | 6.7 | 13.3 | 8.1 | 14.6 | 3.9 | 18.3 | 23 | 11.8 | 26 | 7.8 | 24 | 1.2 | 28 |
| ha = 13.2 m. | MONTH | 16.3 | 17.4 | 15.2 | 16.5 | 5.7 | 6.7 | 13.0 | 8.4 | 14.1 | 4.1 | 18.6 | 18 | 9.2 | 10 | 8.6 | 20 | —0.2 | 2 |
| **Kirkuk** كركوك | | | | | | | | | | | | | | | | | | | |
| Q = 35° 78′ N. | 1-10 | 15.1 | 15.8 | 13.8 | 14.5 | 6.3 | 8.0 | 12.6 | 8.7 | 13.8 | 4.5 | 16.7 | 3 | 10.3 | 9 | 6.2 | 4 | 2.6 | 1 |
| X = 44° 24′ E. | 11-20 | 14.4 | 15.0 | 13.1 | 14.2 | 8.9 | 10.9 | 14.3 | 10.4 | 15.4 | 7.7 | 19.1 | 13 | 10.3 | 20 | 10.0 | 15 | 5.2 | 17 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21-28 | 16.5 | 17.2 | 15.6 | 17.4 | 7.6 | 10.0 | 13.8 | 8.8 | 15.1 | 6.1 | 18.1 | 23 | 9.4 | 27 | 8.7 | 24 | 1.8 | 28 |
| ha = 8.2 m. | MONTH | 15.2 | 15.9 | 14.1 | 15.4 | 7.6 | 9.6 | 13.6 | 9.3 | 14.8 | 6.1 | 19.1 | 13 | 9.4 | 27 | 10.0 | 15 | 1.8 | 28 |
| **Khanaqin** خانقين | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18 N. | 1-10 | ... | 15.8 | 14.4 | 14.8 | ... | 10.2 | 15.6 | 10.3 | 16.3 | 6.3 | 21.1 | 7 | 10.5 | 9 | 10.5 | 5 | 1.6 | 1 |
| X = 45° 26 E. | 11-20 | ... | 15.0 | 13.7 | 14.7 | ... | 10.7 | 16.2 | 11.4 | 16.9 | 6.8 | 20.5 | 13 | 13.7 | 15 | 10.0 | 15 | 3.9 | 12 |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21-28 | ... | 18.0 | 16.0 | 17.3 | ... | 10.8 | 16.6 | 11.2 | 17.1 | 6.2 | 20.3 | 28 | 13.3 | 27 | 12.2 | 24 | 1.1 | 28 |
| ha = 6.1 m. | MONTH | ... | 16.3 | 14.7 | 15.6 | ... | 10.6 | 16.1 | 10.9 | 16.8 | 6.3 | 21.1 | 7 | 10.5 | 9 | 12.2 | 24 | 1.1 | 28 |
| **Baghdad** بغداد | | | | | | | | | | | | | | | | | | | |
| Q = 33° 23′ N. | 1-10 | 15.4 | 16.9 | 14.6 | 14.7 | 8.7 | 9.4 | 16.9 | 11.8 | 17.6 | 5.9 | 21.7 | 7 | 10.7 | 9 | 10.2 | 4 | 1.6 | 1 |
| X = 44° 24′ E. | 11-20 | 14.5 | 15.2 | 13.3 | 14.4 | 9.8 | 11.0 | 17.8 | 12.8 | 18.5 | 6.9 | 21.8 | 14 | 14.5 | 20 | 11.7 | 20 | 3.6 | 17 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21-28 | 17.1 | 18.6 | 16.8 | 17.9 | 8.4 | 11.4 | 17.9 | 12.3 | 18.7 | 6.0 | 21.4 | 26 | 15.7 | 27 | 7.8 | 24 | 2.7 | 28 |
| ha = 17.7 m. | MONTH | 15.7 | 16.9 | 14.9 | 15.6 | 9.0 | 10.6 | 17.5 | 12.3 | 18.3 | 6.3 | 21.8 | 14 | 10.7 | 9 | 11.7 | 20 | 1.6 | 1 |
| **Habbaniyah** حبانية | | | | | | | | | | | | | | | | | | | |
| Q = 33° 22′ N. | 1-10 | 14.3 | 15.5 | 16.0 | 13.7 | 9.6 | 6.3 | 15.1 | 14.1 | 17.7 | 4.9 | 21.1 | 7 | 11.1 | 9 | 7.8 | 10 | —0.6 | 1 |
| X = 44° 2′ E. | 11-20 | 14.5 | 14.1 | 14.6 | 12.9 | 11.2 | 9.2 | 16.2 | 16.1 | 19.0 | 8.3 | 22.2 | 13.14 | 14.4 | 20 | 13.3 | 20 | 5.0 | 18 |
| Hs. = 43.6 m. Hb. = 44.5 m. | 21-28 | 17.5 | 17.2 | 18.1 | 16.7 | 9.8 | 7.3 | 16.0 | 15.6 | 18.4 | 6.5 | 20.5 | 23.25 | 15.0 | 27 | 9.4 | 26 | 2.8 | 28 |
| ha = 14.9 m. | MONTH | 15.3 | 15.5 | 16.1 | 14.3 | 10.3 | 7.6 | 15.8 | 15.3 | 18.4 | 6.6 | 22.2 | 13.14 | 11.1 | 9 | 13.3 | 20 | —0.6 | 1 |
| **Rutba** رطبة | | | | | | | | | | | | | | | | | | | |
| Q = 33° 03 N. | 1-10 | 16.8 | 16.8 | 12.2 | 15.1 | 4.7 | 4.9 | 14.8 | 8.4 | 15.6 | 3.0 | 19.4 | 3 | 12.6 | 9 | 7.2 | 3 | 0.0 | 6 |
| X = 40° 17 E. | 11-20 | 15.0 | 15.5 | 12.3 | 14.7 | 6.3 | 7.3 | 13.6 | 9.4 | 14.8 | 4.7 | 19.2 | 19 | 8.7 | 15 | 10.3 | 20 | 1.2 | 11 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21-28 | 19.1 | 16.9 | 15.7 | 18.7 | 4.5 | 6.7 | 14.7 | 8.9 | 15.3 | 3.4 | 18.9 | 28 | 11.1 | 27 | 5.2 | 23 | —0.4 | 28 |
| ha = 16.1 m. | MONTH | 16.9 | 17.3 | 13.4 | 16.1 | 5.3 | 6.3 | 14.3 | 8.9 | 15.2 | 3.7 | 19.4 | 3 | 8.7 | 15 | 10.3 | 20 | —0.4 | 28 |
| **Kut Al-Hai** كوت الحي | | | | | | | | | | | | | | | | | | | |
| Q = 32° 10 N. | 1-10 | ... | 16.5 | 14.6 | 16.0 | ... | 11.0 | 19.0 | 17.5 | 19.6 | 6.8 | 23.0 | 7 | 14.6 | 9 | 9.2 | 4.10 | 4.7 | 5 |
| X = 46° 03 E. | 11-20 | ... | 15.8 | 13.6 | 14.9 | ... | 12.7 | 19.6 | 17.6 | 20.3 | 8.6 | 22.9 | 19 | 17.4 | 20 | 11.8 | 20 | 5.2 | 12 |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21-28 | ... | 18.0 | 16.3 | 17.7 | ... | 12.3 | 18.9 | 17.3 | 19.4 | 8.4 | 22.0 | 25.26 | 15.9 | 27 | 11.2 | 21.24 | 2.5 | 28 |
| ha = 7.9 m. | MONTH | ... | 16.7 | 14.7 | 16.2 | ... | 12.0 | 19.2 | 17.5 | 19.8 | 7.9 | 23.0 | 7 | 14.6 | 9 | 11.8 | 20 | 2.5 | 28 |
| **Diwaniya** ديوانية | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59 N. | 1-10 | 14.9 | 16.3 | 13.8 | 14.1 | 7.7 | 11.2 | 18.8 | 12.4 | 19.4 | 5.1 | 23.4 | 7 | 13.8 | 9 | 8.0 | 4 | 2.8 | 3 |
| X = 44° 59 E. | 11-20 | 13.4 | 14.8 | 12.4 | 13.6 | 9.6 | 12.4 | 19.2 | 13.9 | 21.0 | 7.8 | 23.8 | 19 | 17.6 | 16 | 13.0 | 20 | 4.6 | 12 |
| Hs. = 20.4 m. Hb. = 21.0 m | 21-28 | 15.9 | 18.1 | 15.9 | 17.1 | 9.7 | 12.7 | 19.4 | 12.8 | 19.7 | 7.6 | 22.6 | 26 | 16.8 | 27 | 11.0 | 24 | 3.7 | 28 |
| ha = 5.8 m. | MONTH | 14.7 | 16.4 | 14.0 | 14.9 | 9.0 | 12.1 | 19.1 | 13.1 | 20.0 | 6.8 | 23.8 | 19 | 13.8 | 9 | 13.0 | 20 | 2.8 | 3 |
| **Nasiriya** ناصرية | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01 N. | 1-10 | 15.3 | 17.0 | 14.7 | 15.2 | 8.8 | 11.4 | 19.7 | 13.4 | 20.7 | 6.5 | 24.0 | 5 | 14.7 | 9 | 9.9 | 10 | 3.5 | 3 |
| X = 46° 14 E. | 11-20 | 13.0 | 15.3 | 13.1 | 15.3 | 11.9 | 13.6 | 20.4 | 14.3 | 21.4 | 9.3 | 25.0 | 19 | 19.5 | 16 | 14.0 | 20 | 5.8 | 18 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21-28 | 15.9 | 18.1 | 16.0 | 17.5 | 9.6 | 13.4 | 20.0 | 13.6 | 20.6 | 9.0 | 23.3 | 24 | 17.8 | 23 | 12.2 | 21.24 | 5.3 | 28 |
| ha = 8.8 m. | MONTH | 14.7 | 16.8 | 14.6 | 16.0 | 10.0 | 12.8 | 20.0 | 13.8 | 20.9 | 8.3 | 25.0 | 19 | 14.7 | 9 | 14.0 | 20 | 3.5 | 3 |
| **Basrah** بصره | | | | | | | | | | | | | | | | | | | |
| Q = 30° 34 N. | 1-10 | 15.2 | 16.6 | 14.7 | 15.5 | 11.0 | 12.9 | 19.4 | 14.4 | 20.4 | 9.1 | 23.9 | 7 | 16.2 | 8 | 13.2 | 10 | 4.7 | 1 |
| X = 47° 47 E. | 11-20 | 14.1 | 15.3 | 13.2 | 14.5 | 12.1 | 13.9 | 20.7 | 14.9 | 21.4 | 10.9 | 25.0 | 19 | 17.9 | 16 | 14.9 | 20 | 8.2 | 19 |
| Hs. = 24 m. Hb. = 15.7 m. | 21-28 | 15.5 | 16.9 | 15.4 | 16.7 | 12.1 | 15.0 | 19.9 | 14.3 | 20.9 | 10.2 | 24.2 | 26 | 17.1 | 28 | 14.2 | 21 | 7.5 | 28 |
| ha = 23.5 m. | MONTH | 14.9 | 16.2 | 14.4 | 15.5 | 11.7 | 13.9 | 20.0 | 14.5 | 20.9 | 10.1 | 25.0 | 19 | 16.2 | 8 | 14.9 | 20 | 4.7 | 1 |

# شهر شـــباط ١٩٥٤

| درجة الندى (م°) Dew Point (oC) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأثمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأثمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | هطول المطر بالمليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | أكثر كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in 24(hrs.) | التاريخ Date |
| 3.0 | 4.0 | 5.7 | 5.1 | 91 | 93 | 71 | 86 | 7.8 | 8.3 | 9.3 | 8.9 | 2.8 | 5.0 | 5.2 | 4.2 | 3.9 | 5.5 | 7.1 | 5.6 | 46.2 | 14.6 | 9 |
| 5.7 | 6.2 | 7.8 | 7.5 | 92 | 88 | 66 | 88 | 9.3 | 9.6 | 10.4 | 10.5 | 3.7 | 4.1 | 4.6 | 4.2 | 5.5 | 6.2 | 5.8 | 6.1 | 57.2 | 29.9 | 19 |
| 4.8 | 5.5 | 6.9 | 6.7 | 96 | 93 | 67 | 91 | 8.7 | 9.2 | 10.1 | 9.9 | 2.2 | 3.9 | 4.0 | 3.0 | 2.7 | 5.4 | 5.8 | 3.1 | 33.7 | 15.1 | 23 |
| 4.5 | 5.2 | 6.8 | 6.4 | 93 | 91 | 68 | 88 | 8.6 | 9.0 | 9.9 | 9.8 | 2.9 | 4.4 | 4.6 | 3.8 | 4.1 | 6.0 | 6.6 | 5.0 | 137.1 | 29.9 | 19 |
| 3.4 | 4.7 | 4.6 | 4.6 | 83 | 80 | 60 | 77 | 7.8 | 8.7 | 8.6 | 8.6 | 2.6 | 2.4 | 3.9 | 3.3 | 3.6 | 6.1 | 6.6 | 5.5 | 29.3 | 16.0 | 9 |
| 5.2 | 5.8 | 6.5 | 6.7 | 79 | 72 | 62 | 79 | 9.1 | 9.3 | 9.8 | 10.0 | 2.0 | 2.1 | 3.1 | 1.8 | 4.4 | 4.8 | 6.4 | 5.2 | 53.0 | 31.9 | 20 |
| 5.4 | 6.4 | 7.3 | 6.5 | 86 | 79 | 66 | 86 | 9.0 | 9.7 | 10.3 | 10.0 | 2.0 | 1.9 | 3.7 | 1.2 | 3.6 | 3.2 | 5.7 | 3.0 | 15.6 | 8.0 | 23 |
| 4.6 | 5.6 | 6.1 | 5.4 | 83 | 77 | 62 | 81 | 8.6 | 9.2 | 9.5 | 9.5 | 2.2 | 2.1 | 3.6 | 2.1 | 3.9 | 4.8 | 6.3 | 4.6 | 97.9 | 31.9 | 20 |
| ... | 2.8 | 4.4 | 4.2 | ... | 62 | 56 | 67 | ... | 7.5 | 8.6 | 8.3 | ... | 3.3 | 4.3 | 3.6 | ... | 5.6 | 6.3 | 5.4 | 21.4 | 14.3 | 7 |
| ... | 5.5 | 6.7 | 6.9 | ... | 72 | 56 | 76 | ... | 9.2 | 10.0 | 10.1 | ... | 1.9 | 3.4 | 3.8 | ... | 4.3 | 6.2 | 4.7 | 23.0 | 12.0 | 20 |
| ... | 5.9 | 5.1 | 7.1 | ... | 72 | 47 | 77 | ... | 9.4 | 8.9 | 10.2 | ... | 1.0 | 2.9 | 1.6 | ... | 2.9 | 5.2 | 1.8 | 6.8 | 4.2 | 27 |
| ... | 4.7 | 5.4 | 6.1 | ... | 68 | 51 | 73 | ... | 8.7 | 9.2 | 9.5 | ... | 2.1 | 3.5 | 3.0 | ... | 4.3 | 5.4 | 3.9 | 51.2 | 14.8 | 7 |
| 4.1 | 4.6 | 5.8 | 6.2 | 74 | 72 | 46 | 70 | 8.3 | 8.6 | 9.4 | 9.6 | 1.2 | 1.3 | 2.7 | 0.9 | 2.7 | 3.7 | 5.2 | 2.5 | 16.4 | 11.9 | 7 |
| 6.3 | 7.6 | 7.5 | 8.3 | 79 | 79 | 52 | 75 | 9.6 | 10.5 | 10.5 | 11.3 | 1.8 | 1.7 | 3.5 | 1.5 | 4.0 | 5.9 | 6.3 | 4.5 | 27.8 | 13.8 | 20 |
| 6.3 | 6.7 | 5.6 | 6.6 | 91 | 74 | 45 | 68 | 9.7 | 9.9 | 9.3 | 9.0 | 0.2 | 0.4 | 3.6 | 0.9 | 0.8 | 1.4 | 4.9 | 1.5 | 0.2 | 0.2 | 26 |
| 5.6 | 6.3 | 6.3 | 7.0 | 81 | 75 | 48 | 71 | 9.2 | 9.7 | 9.7 | 10.0 | 1.1 | 1.2 | 3.3 | 1.1 | 2.5 | 3.7 | 5.5 | 2.8 | 44.4 | 13.8 | 20 |
| 4.5 | 3.0 | 6.0 | 6.6 | 72 | 79 | 57 | 62 | 8.5 | 7.6 | 9.4 | 9.8 | 0.4 | 0.6 | 1.2 | 1.5 | 3.3 | 2.2 | 3.9 | 4.2 | 5.8 | 4.4 | 9 |
| 6.0 | 6.6 | 8.0 | 8.3 | 82 | 84 | 61 | 61 | 10.8 | 9.8 | 10.8 | 11.0 | 1.0 | 1.1 | 1.7 | 1.8 | 3.9 | 4.6 | 6.0 | 4.8 | 35.0 | 30.4 | 15 |
| 6.8 | 5.6 | 6.6 | 6.6 | 82 | 90 | 54 | 55 | 9.9 | 9.2 | 9.9 | 9.8 | 0.0 | 0.0 | 0.8 | 1.1 | 1.1 | 0.6 | 1.5 | 2.0 | TR | TR | 25 |
| 6.4 | 5.1 | 7.5 | 7.2 | 78 | 84 | 57 | 59 | 9.7 | 8.8 | 10.0 | 10.2 | 0.5 | 0.6 | 1.2 | 1.5 | 2.8 | 2.5 | 4.0 | 3.3 | 40.8 | 30.4 | 15 |
| 0.7 | 0.7 | 0.6 | 1.3 | 76 | 70 | 40 | 59 | 6.5 | 6.5 | 6.5 | 8.6 | 0.9 | 3.6 | 3.0 | 1.3 | 0.9 | 4.7 | 4.7 | 2.2 | 8.2 | 5.6 | 9 |
| 4.0 | 4.4 | 5.3 | 6.1 | 84 | 82 | 59 | 79 | 8.3 | 8.6 | 9.2 | 9.5 | 2.4 | 2.7 | 5.1 | 2.8 | 3.1 | 4.1 | 6.1 | 4.4 | 21.1 | 15.9 | 15 |
| 2.8 | 2.9 | 2.1 | 3.5 | 89 | 78 | 42 | 71 | 7.5 | 7.6 | 7.0 | 8.9 | 0.4 | 0.6 | 3.4 | 1.0 | 0.9 | 1.2 | 3.8 | 1.5 | 0.4 | 0.4 | 23 |
| 2.6 | 2.7 | 2.8 | 3.6 | 83 | 77 | 47 | 69 | 7.5 | 7.6 | 7.6 | 8.9 | 1.3 | 2.3 | 3.9 | 1.7 | 1.6 | 3.3 | 4.9 | 2.8 | 23.7 | 15.9 | 15 |
| ... | 6.7 | 5.3 | 6.8 | ... | 75 | 42 | 51 | ... | 9.9 | 9.0 | 10.1 | ... | 1.5 | 1.5 | 1.3 | ... | 3.1 | 3.6 | 3.1 | 1.6 | 1.6 | 9 |
| ... | 9.4 | 9.7 | 10.3 | ... | 81 | 55 | 64 | ... | 11.9 | 12.2 | 12.7 | ... | 2.7 | 3.1 | 2.9 | ... | 4.7 | 3.9 | 4.5 | 27.5 | 11.1 | 23 |
| ... | 8.6 | 6.4 | 8.2 | ... | 79 | 45 | 56 | ... | 11.3 | 10.0 | 11.2 | ... | 1.4 | 1.5 | 1.1 | ... | 2.0 | 2.1 | 1.9 | 3.3 | 2.7 | 26 |
| ... | 8.2 | 7.1 | 8.5 | ... | 78 | 47 | 57 | ... | 11.0 | 10.5 | 11.3 | ... | 1.9 | 2.1 | 1.3 | ... | 3.3 | 3.2 | 3.3 | 32.4 | 11.1 | 20 |
| 3.4 | 5.1 | 7.4 | 4.7 | 75 | 67 | 40 | 60 | 7.8 | 8.6 | 8.6 | 8.7 | 0.3 | 0.3 | 1.3 | 0.3 | 0.5 | 2.1 | 3.3 | 1.6 | 0.3 | 0.3 | 9 |
| 6.3 | 9.6 | 8.7 | 8.8 | 81 | 84 | 54 | 73 | 9.7 | 12.1 | 11.7 | 11.5 | 1.0 | 3.0 | 2.4 | 1.5 | 2.4 | 4.8 | 4.2 | 3.4 | 17.3 | 6.3 | 14 |
| 6.9 | 7.4 | 5.9 | 6.5 | 83 | 71 | 42 | 66 | 10.1 | 10.4 | 9.5 | 9.8 | 0.5 | 0.0 | 1.7 | 1.0 | 1.6 | 1.0 | 2.7 | 1.0 | 0.5 | 0.5 | 26 |
| 5.5 | 7.4 | 6.5 | 6.7 | 79 | 74 | 46 | 66 | 9.2 | 10.4 | 10.0 | 10.0 | 0.6 | 1.3 | 1.8 | 1.1 | 1.5 | 2.7 | 3.4 | 2.1 | 18.1 | 6.6 | 14 |
| 4.1 | 5.2 | 5.7 | 5.6 | 74 | 68 | 41 | 61 | 8.4 | 9.3 | 9.4 | 8.4 | 1.0 | 0.8 | 1.5 | 1.6 | 1.7 | 2.9 | 4.6 | 3.3 | 0.1 | 0.1 | 10 |
| 4.4 | 9.8 | 8.3 | 8.3 | 87 | 79 | 48 | 70 | 12.0 | 12.4 | 11.1 | 11.2 | 2.5 | 4.4 | 3.1 | 0.8 | 5.0 | 6.1 | 5.8 | 3.5 | 20.6 | 17.6 | 15 |
| 5.0 | 7.5 | 4.2 | 5.8 | 74 | 69 | 37 | 61 | 8.9 | 10.6 | 8.6 | 9.5 | 1.3 | 1.4 | 1.0 | 0.0 | 2.3 | 3.0 | 1.7 | 0.2 | 2.9 | 2.4 | 21 |
| 6.2 | 7.5 | 6.1 | 5.6 | 78 | 72 | 42 | 64 | 9.3 | 10.8 | 9.7 | 9.7 | 1.6 | 2.2 | 1.9 | 0.3 | 3.0 | 4.0 | 4.0 | 2.3 | 23.6 | 17.6 | 15 |
| 9.1 | 9.7 | 9.4 | 10.5 | 88 | 81 | 53 | 79 | 11.9 | 12.3 | 12.0 | 13.0 | 0.2 | 0.5 | 1.5 | 0.3 | 1.3 | 3.9 | 5.9 | 3.6 | 6.3 | 5.0 | 10 |
| 11.1 | 12.4 | 13.2 | 12.5 | 94 | 91 | 65 | 87 | 13.3 | 14.5 | 15.3 | 14.6 | 1.2 | 3.3 | 2.2 | 0.4 | 4.4 | 5.5 | 5.2 | 3.4 | 10.4 | 5.5 | 20 |
| 11.0 | 11.4 | 12.1 | 10.4 | 93 | 80 | 62 | 78 | 13.3 | 13.6 | 14.3 | 13.7 | 0.8 | 1.0 | 1.1 | 0.0 | 2.5 | 2.6 | 2.0 | 0.2 | 2.5 | 2.5 | 28 |
| 10.4 | 11.1 | 11.5 | 11.2 | 92 | 84 | 60 | 81 | 12.8 | 13.4 | 13.8 | 13.5 | 0.7 | 1.5 | 1.6 | 0.3 | 2.2 | 4.0 | 4.4 | 2.4 | 19.2 | 8.0 | 10 |

# MONTH FEBRUARY 1954

| المحطة STATION | المدة Period | Numbers of Days. عدد الايام: مطر Rain | ثلج Snow | برد Hail. | عاصفة رعدية Thunderstorms. | ضباب Fog. | زوبعة غبار Dustatorm | الجو صحو Clear. | الجو غائم Cloudy. | هطول المطر بالمليمترات Rainfall (mms.) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observatios. 0000 (G.M.T.): شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل Q = 36° 19' N. X = 43° 09' E. | 1—10 | 8 | 0 | 1 | 0 | 2 | 0 | 1 | 4 | 7 | 1 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 7 |
| | 11—20 | 6 | 0 | 1 | 0 | 3 | 0 | 0 | 6 | 4 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 8 | 2 |
| Hs. = 222.6 m. Hb. = 223.5 m. | 21—23 | 4 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 6 | 2 |
| ha = 13.1 m. | MONTH | 18 | 0 | 2 | 0 | 10 | 0 | 1 | 10 | 14 | 4 | 3 | 1 | 0 | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 19 | 4 |
| **Kirkuk** كركوك Q = 35° 28' N. X = 44° 24' E. | 1—10 | 6 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 6 | 1 | 1 | 0 | 2 | 2 | 2 | 2 | 0 | 1 | 0 | 0 | 1 | 3 |
| | 11—20 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 2 | 0 | 0 | 2 | 2 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 7 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21—28 | 2 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 6 |
| ha = 8.2 m. | MONTH | 12 | 0 | 2 | 2 | 0 | 0 | 3 | 8 | 12 | 3 | 1 | 0 | 4 | 7 | 8 | 5 | 0 | 2 | 0 | 1 | 1 | 7 |
| **Khanaqin** خانقين Q = 34° 18' N. X = 45 26 E. | 1—10 | 3 | 0 | 0 | 1 | 0 | 2 | 1 | 5 | 3 | 1 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| | 11—20 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. Hb. = 204.1 m. | 21—28 | 3 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 9 | 0 | 1 | 1 | 2 | 2 | 2 | 8 | 8 | 3 | 2 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| **Baghdad** بغداد Q = 33° 20' N. X = 44 24 E. | 1—10 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 1 | 1 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 2 | 2 | 6 |
| | 11—22 | 3 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 2 | 3 | 2 | 0 | 2 | 1 | 0 | 8 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21—28 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 2 | 1 | 5 |
| ha = 17.7 m. | MONTH | 6 | 0 | 0 | 2 | 1 | 1 | 4 | 3 | 5 | 3 | 2 | 0 | 1 | 1 | 3 | 5 | 5 | 1 | 4 | 5 | 3 | 6 |
| **Habbaniya** حبانية Q = 33° 22' N. X = 43 34 E. | 1—10 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 1 | 1 | 3 | 6 |
| | 11—20 | 2 | 0 | 0 | 1 | 0 | 1 | 1 | 2 | 2 | 1 | 2 | 0 | 0 | 1 | 4 | 0 | 1 | 0 | 1 | 1 | 2 | 6 |
| Hs. = 34.6 m. Hb. = 44.5 m. | 21—28 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 6 | 2 |
| ha = 14.9 m. | MONTH | 4 | 0 | 0 | 1 | 0 | 3 | 7 | 3 | 3 | 1 | 3 | 0 | 1 | 1 | 6 | 3 | 2 | 0 | 2 | 2 | 11 | 5 |
| **Rutba** رطبة Q = 33° 02' N. X = 40 17 E. | 1—10 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 6 | 5 |
| | 11—20 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 3 | 2 | 0 | 2 | 7 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21—28 | 1 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 0 | 2 | 5 |
| ha = 16.1 m. | MONTH | 6 | 0 | 2 | 1 | 1 | 0 | 5 | 2 | 5 | 1 | 2 | 0 | 0 | 1 | 3 | 0 | 0 | 7 | 6 | 0 | 10 | 6 |
| **Kut Al-Hai** كوت الحي Q. = 32° 10' N. X = 46 03' E. | 1—10 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 11—20 | 2 | 0 | 0 | 1 | 1 | 0 | 2 | 1 | 3 | 1 | 0 | 0 | ... | — | — | — | — | — | — | — | — | — |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21—28 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | — |
| ha = 7.9 m. | MONTH | 7 | 0 | 0 | 1 | 2 | 0 | 9 | 2 | 5 | 1 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **Diwaniya** الديوانية Q = 31° 59' N. N = 44 59 E. | 1—10 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 1 | 1 | 0 | 4 | 0 | 1 | 6 |
| | 11—20 | 4 | 0 | 0 | 0 | 2 | 1 | 2 | 1 | 3 | 0 | 2 | 0 | 2 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 1 | 8 |
| Hs. = 20.4 m. Hb. = 21.0 m. | 21—28 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 1 | 5 |
| ha = 5.8 m. | MONTH | 6 | 0 | 0 | 0 | 2 | 1 | 12 | 1 | 3 | 0 | 3 | 0 | 5 | 0 | 7 | 3 | 2 | 0 | 8 | 0 | 3 | 6 |
| **Nasiriya** ناصرية Q = 31° 01' N. X = 46 14 E. | 1—10 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 2 | 3 | 0 | 8 |
| | 11—20 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 1 | 0 | 0 | 8 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21—28 | 2 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 5 |
| ha = 8.8 m. | MONTH | 4 | 0 | 0 | 2 | 2 | 2 | 6 | 2 | 3 | 1 | 1 | 0 | 3 | 1 | 6 | 3 | 3 | 0 | 3 | 4 | 0 | 7 |
| **Basra** بصرة Q = 30° 34' N. X = 47 47 E. | 1—10 | 2 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 1 | 0 | 3 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 2 | 1 | 2 | 7 |
| | 11—20 | 4 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 2 | 1 | 2 | 8 |
| Hs. = 2.4 m. Hb = 18.7 m. | 21—28 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 2 | 2 |
| ha = 28 5 m. | MONTH | 7 | 0 | 0 | 4 | 1 | 1 | 5 | 3 | 5 | 0 | 3 | 0 | 1 | 2 | 2 | 2 | 2 | 0 | 5 | 4 | 6 | 4 |

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

0600 (G.M.T.)

| شمالي N. | شمالي شرقي NE | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 6 | 4 |
| 1 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 5 | 4 |
| 3 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 5 |
| 4 | 1 | 4 | 1 | 1 | 1 | 2 | 0 | 14 | 4 |
| 0 | 2 | 4 | 2 | 1 | 0 | 0 | 1 | 0 | 6 |
| 1 | 1 | 4 | 3 | 0 | 0 | 0 | 0 | 1 | 5 |
| 0 | 2 | 0 | 11 | 0 | 1 | 1 | 0 | 0 | 5 |
| 1 | 5 | 8 | 9 | 1 | 1 | 1 | 1 | 1 | 5 |
| 0 | 0 | 3 | 0 | 4 | 0 | 1 | 0 | 2 | 7 |
| 0 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 3 | 6 |
| 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 5 | 4 |
| 0 | 0 | 2 | 0 | 7 | 1 | 1 | 0 | 10 | 6 |
| 1 | 0 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 5 |
| 0 | 1 | 3 | 1 | 3 | 0 | 0 | 2 | 0 | 8 |
| 0 | 1 | 0 | 2 | 0 | 0 | 0 | 5 | 0 | 8 |
| 1 | 2 | 4 | 5 | 4 | 1 | 1 | 9 | 1 | 7 |
| 1 | 0 | 1 | 0 | 1 | 1 | 2 | 1 | 3 | 6 |
| 0 | 2 | 1 | 1 | 1 | 0 | 2 | 0 | 3 | 8 |
| 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 4 | 4 |
| 1 | 2 | 2 | 1 | 3 | 1 | 5 | 3 | 10 | 6 |
| 0 | 0 | 0 | 1 | 1 | 5 | 1 | 0 | 2 | 8 |
| 1 | 0 | 1 | 0 | 2 | 2 | 3 | 0 | 1 | 7 |
| 0 | 0 | 1 | 0 | 0 | 3 | 3 | 0 | 1 | 7 |
| 1 | 0 | 2 | 1 | 3 | 10 | 7 | 0 | 4 | 7 |
| 0 | 0 | 6 | 0 | 1 | 0 | 3 | 0 | 0 | 7 |
| 0 | 0 | 6 | 1 | 1 | 0 | 2 | 0 | 0 | 7 |
| 1 | 0 | 1 | 0 | 1 | 2 | 2 | 1 | 0 | 4 |
| 1 | 0 | 13 | 1 | 3 | 2 | 7 | 1 | 0 | 6 |
| 0 | 0 | 0 | 2 | 1 | 0 | 5 | 1 | 1 | 7 |
| 0 | 0 | 4 | 1 | 1 | 0 | 3 | 0 | 1 | 9 |
| 2 | 0 | 1 | 0 | 1 | 0 | 4 | 0 | 0 | 8 |
| 2 | 0 | 5 | 3 | 3 | 0 | 12 | 1 | 2 | 8 |
| 0 | 0 | 0 | 3 | 3 | 0 | 3 | 1 | 0 | 8 |
| 1 | 0 | 3 | 1 | 2 | 1 | 1 | 0 | 1 | 10 |
| 1 | 0 | 0 | 1 | 0 | 1 | 1 | 4 | 0 | 8 |
| 2 | 0 | 3 | 5 | 5 | 2 | 5 | 5 | 1 | 9 |
| 0 | 0 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 8 |
| 0 | 0 | 1 | 3 | 1 | 0 | 1 | 1 | 3 | 5 |
| 0 | 1 | 0 | 1 | 0 | 0 | 1 | 4 | 1 | 7 |
| 0 | 1 | 3 | 5 | 2 | 1 | 4 | 6 | 6 | 7 |

1200 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 1 | 1 | 0 | 0 | 2 | 0 | 2 | 2 | 10 |
| 0 | 0 | 6 | 0 | 3 | 0 | 0 | 0 | 1 | 9 |
| 2 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 3 | 7 |
| 4 | 1 | 7 | 1 | 3 | 3 | 1 | 2 | 6 | 9 |
| 0 | 0 | 1 | 0 | 3 | 1 | 3 | 0 | 2 | 8 |
| 1 | 0 | 3 | 0 | 4 | 1 | 1 | 0 | 0 | 9 |
| 1 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 0 | 7 |
| 2 | 0 | 4 | 0 | 10 | 2 | 8 | 0 | 2 | 8 |
| 1 | 0 | 1 | 0 | 6 | 1 | 1 | 0 | 0 | 14 |
| 0 | 0 | 2 | 0 | 4 | 1 | 1 | 0 | 2 | 9 |
| 2 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 6 |
| 3 | 0 | 3 | 0 | 12 | 3 | 3 | 0 | 4 | 10 |
| 1 | 0 | 2 | 2 | 1 | 0 | 1 | 3 | 0 | 10 |
| 0 | 0 | 0 | 3 | 2 | 1 | 2 | 2 | 0 | 11 |
| 1 | 0 | 0 | 1 | 0 | 2 | 1 | 3 | 0 | 12 |
| 2 | 0 | 2 | 6 | 3 | 3 | 4 | 3 | 0 | 11 |
| 1 | 2 | 0 | 2 | 0 | 1 | 3 | 1 | 0 | 10 |
| 1 | 0 | 2 | 2 | 2 | 1 | 1 | 0 | 1 | 8 |
| 1 | 0 | 0 | 0 | 3 | 0 | 1 | 3 | 0 | 10 |
| 3 | 2 | 2 | 4 | 5 | 2 | 5 | 4 | 1 | 9 |
| 0 | 0 | 1 | 0 | 3 | 1 | 4 | 1 | 0 | 13 |
| 1 | 0 | 1 | 3 | 0 | 1 | 2 | 0 | 2 | 12 |
| 0 | 0 | 0 | 0 | 2 | 0 | 5 | 1 | 0 | 11 |
| 1 | 0 | 2 | 3 | 5 | 2 | 11 | 2 | 2 | 12 |
| 0 | 1 | 2 | 0 | 2 | 1 | 4 | 0 | 0 | 8 |
| 0 | 3 | 3 | 0 | 1 | 1 | 2 | 0 | 0 | 7 |
| 0 | 1 | 1 | 0 | 1 | 0 | 2 | 3 | 0 | 8 |
| 0 | 5 | 6 | 0 | 4 | 2 | 3 | 3 | 0 | 8 |
| 1 | 0 | 0 | 2 | 1 | 0 | 4 | 1 | 1 | 10 |
| 1 | 1 | 3 | 1 | 1 | 0 | 2 | 1 | 0 | 12 |
| 1 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 0 | 10 |
| 3 | 1 | 3 | 3 | 4 | 0 | 11 | 2 | 1 | 11 |
| 0 | 0 | 1 | 2 | 1 | 0 | 3 | 3 | 0 | 10 |
| 1 | 0 | 3 | 3 | 0 | 0 | 2 | 1 | 0 | 10 |
| 2 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 0 | 19 |
| 3 | 0 | 5 | 5 | 2 | 0 | 6 | 7 | 0 | 11 |
| 0 | 0 | 1 | 2 | 2 | 0 | 4 | 0 | 1 | 11 |
| 0 | 1 | 1 | 3 | 1 | 0 | 2 | 2 | 0 | 7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 11 |
| 0 | 1 | 2 | 5 | 3 | 0 | 8 | 6 | 3 | 9 |

1800 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 3 | 0 | 0 | 1 | 1 | 0 | 4 | 6 |
| 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 3 |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 5 | 5 |
| 1 | 3 | 5 | 1 | 1 | 1 | 1 | 0 | 15 | 4 |
| 0 | 3 | 2 | 2 | 1 | 1 | 0 | 0 | 1 | 6 |
| 0 | 3 | 3 | 1 | 1 | 0 | 0 | 1 | 2 | 5 |
| 2 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 4 |
| 2 | 7 | 5 | 4 | 2 | 1 | 1 | 1 | 5 | 5 |
| 1 | 0 | 0 | 0 | 5 | 1 | 1 | 2 | 0 | 11 |
| 2 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 4 | 6 |
| 1 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 3 | 4 |
| 4 | 0 | 1 | 0 | 7 | 1 | 5 | 3 | 7 | 7 |
| 2 | 2 | 2 | 1 | 1 | 1 | 0 | 1 | 0 | 7 |
| 0 | 1 | 2 | 4 | 1 | 1 | 1 | 0 | 0 | 7 |
| 3 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 6 |
| 5 | 3 | 4 | 6 | 2 | 2 | 2 | 4 | 0 | 7 |
| 0 | 2 | 1 | 1 | 0 | 0 | 1 | 1 | 4 | 6 |
| 0 | 0 | 3 | 0 | 0 | 2 | 1 | 1 | 3 | 6 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 7 |
| 1 | 2 | 5 | 1 | 0 | 2 | 2 | 3 | 7 | 8 |
| 1 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 4 | 7 |
| 0 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 5 | 5 |
| 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 3 | 6 |
| 1 | 0 | 3 | 3 | 1 | 2 | 5 | 1 | 12 | 6 |
| 2 | 0 | 4 | 0 | 0 | 0 | 3 | 1 | 0 | 7 |
| 0 | 1 | | 0 | 1 | 1 | 1 | 2 | 0 | 6 |
| 0 | 0 | 0 | 1 | 1 | 0 | 3 | 3 | 0 | 4 |
| 2 | 1 | 8 | 1 | 2 | 1 | 7 | 6 | 0 | 6 |
| 1 | 1 | 2 | 2 | 1 | 1 | 1 | 0 | 1 | 9 |
| 0 | 0 | 5 | 2 | 0 | 1 | 2 | 0 | 0 | 8 |
| 4 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 6 |
| 5 | 1 | 8 | 4 | 1 | 2 | 4 | 1 | 2 | 8 |
| 0 | 0 | 4 | 1 | 1 | 0 | 0 | 3 | 1 | 7 |
| 1 | 0 | 3 | 3 | 2 | 0 | 0 | 1 | 6 | 6 |
| 4 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 8 |
| 5 | 0 | 8 | 5 | 3 | 0 | 0 | 6 | 1 | 7 |
| 0 | 0 | 0 | 5 | 2 | 0 | 3 | 1 | 0 | 8 |
| 2 | 0 | 1 | 3 | 1 | 0 | 0 | 2 | 1 | 4 |
| 2 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 5 |
| 4 | 0 | 1 | 8 | 4 | 0 | 3 | 7 | 1 | 6 |

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha متر Meters | Ha متر Meters | DISTRIBUTION OF WIND توزيع الريح: اكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | استدامة Duration ساعات hrs. | ٢١ الى ٣٥ عقدة 21—35 Kts. عدد الايام No. of days | DURATION استدامة: ١١—٢٠ عقدة 11—20 Kts. ساعات hrs. | ٤—١٠ عقدة 4—10 Kts. ساعات hrs. | أقل من ٤ عقد < 4 Kts. ساعات hrs. | لا قيد No. Record ساعات hrs. | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind: الاتجاه Veer. From N درجات deg. | السرعة Speed. عقدة Knots | الساعة المنتهي بها Hour ended س h. | ي d. | أعلى عصفة Highest Gust: السرعة Speed. عقدة Knots. | الوقت Time س h. | ي d. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | ... | 2 | 6 | 142 | 473 | 49 | 2 | 130 | 24 | 20 | 1180 | 41 | 20 | 1220 |

## ADDITIONAL DATA — مدلولات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun Shine (hours) | درجة حرارة الارض Temperature of Earth: على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days: الصقيع الارضي Ground from. | النهاية الصغرى أقل من ١- Min < 1- | النهاية العظمى أكثر من ١٨ Max < 18 | عدد مرات كون الغيم اكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 300 Meters. |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 101.2 | 2.1 | 9.9 | 13.0 | ... | 6 | 0 | 0 | 6 |
| KIRKUK ... | ... | ... | 10.4 | 12.7 | ... | 0 | 0 | 0 | 2 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 |
| BAGHDAD ... | 199.5 | 3.4 | 13.8 | 17.8 | 26.4 | 6 | 0 | 0 | 3 |
| HABBANIYA ... | 188.8 | ... | 15.0 | 17.8 | ... | 2 | 1 | 0 | ... |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 1 | 0 | 0 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 |
| DIWANIYA ... | ... | ... | ... | ... | ... | 2 | 2 | 0 | 4 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 1 | 0 | 0 |
| BASRA ... | 180.1 | 4.9 | ... | ... | 12.8 | 0 | 0 | 1 | 8 |
| SHAIBA ... | | | | | | | | | |
| | | | | | | | | | |

قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية — 3 Hourly Values of Temp. °C and Relative Himidity %

| المحطة STATION | الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | الحرارة Temperature | 5.7 | 5.2 | 6.7 | 11.6 | 13.0 | 11.0 | 8.4 | 6.9 |
| | الرطوبة Humidity | 93 | 95 | 91 | 76 | 63 | 77 | 88 | 91 |
| KIRKUK ... | الحرارة Temperature | 7.6 | 7.0 | 9.6 | 13.0 | 13.6 | 11.0 | 9.3 | 8.4 |
| | الرطوبة Humidity | 82 | 83 | 77 | 63 | 62 | 75 | 80 | 80 |
| KHANAQIN ... | الحرارة Temperature | ... | 8.4 | 10.5 | ... | 16.1 | 13.9 | 11.0 | ... |
| | الرطوبة Humidity | ... | 76 | 68 | ... | 51 | 59 | 73 | ... |
| BAGHDAD ... | الحرارة Temperature | 9.0 | 8.0 | 10.5 | 15.9 | 17.5 | 15.3 | 12.4 | 10.7 |
| | الرطوبة Humidity | 81 | 83 | 79 | 58 | 48 | 59 | 71 | 77 |
| HABBANIYA ... | الحرارة Temperature | 10.2 | 8.8 | 7.5 | 10.4 | 15.8 | 17.3 | 15.3 | 11.9 |
| | الرطوبة Humidity | 78 | 83 | 81 | 75 | 57 | 50 | 59 | 72 |
| RUTBAH ... | الحرارة Temperature | 5.3 | 4.7 | 6.3 | 17.3 | 14.8 | 12.7 | 8.9 | 6.7 |
| | الرطوبة Humidity | 83 | 83 | 76 | 57 | 47 | 51 | 69 | 78 |
| KUT-AL-HAI ... | الحرارة Temperatus | ... | 9.0 | 12.0 | 17.5 | 19.2 | 16.1 | 13.1 | ... |
| | الرطوبة Humidity | ... | 84 | 78 | 57 | 47 | 59 | 70 | ... |
| DIWANIYA ... | الحرارة Temperature | 8.3 | 7.9 | 12.0 | 17.7 | 19.1 | 16.5 | 13.1 | 10.8 |
| | الرطوبة Humidity | 79 | 82 | 74 | 54 | 46 | 54 | 66 | 72 |
| NASIRIYA ... | الحرارة Temperature | 9.9 | 9.3 | 12.7 | 18.3 | 20.0 | 16.9 | 13.8 | ... |
| | الرطوبة Humidity | 77 | 80 | 72 | 51 | 43 | 54 | 64 | ... |
| BASRA ... | الحرارة Temperature | 11.7 | 11.0 | 13.8 | 18.9 | 20.0 | 17.0 | 14.5 | 12.9 |
| | الرطوبة Humidity | 92 | 93 | 81 | 65 | 60 | 70 | 81 | 87 |
| SHAIBA ... | الحرارة Temperature | | | | | | | | |
| | الرطوبة Humidity | | | | | | | | |
| | الحرارة Temperature | | | | | | | | |
| | الرطوبة Humidity | | | | | | | | |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS.

## مدلولات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) دقيقة Min. | خط العرض شمالا Lat. (N) درجة Deg. | خط الطول شرقاً Long (E) دقيقة Min. | خط الطول شرقاً Long (E) درجة Deg. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) دقيقة Min. | خط العرض شمالا Lat. (N) درجة Deg. | خط الطول شرقاً Long. (E) دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) دقيقة Min. | خط العرض شمالا Lat. (N) درجة Deg. | خط الطول شرقاً Long (E) دقيقة Min. | خط الطول شرقاً Long (E) درجة Deg. | هطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo .... | 08 | 37 | 41 | 42 | 186.7 | Sulaimanya ... | 33 | 35 | 25 | 45 | 154.0 | Hilla ... | 29 | 32 | 26 | 44 | 22.4 |
| Amadia ... | 05 | 37 | 30 | 43 | 191.1 | Chamchamal ... | 32 | 35 | 51 | 44 | 88.4 | Hit .... | 4 | 33 | 55 | 42 | 31.9 |
| Aqra ... | 45 | 36 | 53 | 43 | 197.0 | Penjwin ... | 37 | 35 | 58 | 45 | 333.7 | Hindiya ... | 42 | 32 | 17 | 44 | 1.8 |
| Duhok ... | 52 | 36 | 02 | 43 | 186.4 | Halabja ... | 11 | 35 | 59 | 45 | 208.9 | Karbal ... | 37 | 32 | 01 | 44 | 7.6 |
| Sanat ... | 47 | 36 | 48 | 42 | 349.3 | Chwarta ... | 44 | 35 | 33 | 45 | 246.4 | Anah ... | 28 | 32 | 57 | 41 | 37.0 |
| Sarsank ... | 58 | 36 | 32 | 43 | 339.9 | Bakrajo ... | 34 | 35 | 23 | 45 | 201.7 | Samawa ... | 20 | 31 | 15 | 45 | 25.4 |
| Sijar ... | 19 | 36 | 50 | 41 | 94.7 | Iftikhar ... | 03 | 35 | 27 | 44 | 89.6 | Kut ... | 30 | 32 | 45 | 45 | 21.9 |
| Telafar ... | 22 | 36 | 28 | 42 | 78.2 | Al-Mansur .... | 05 | 34 | 58 | 44 | 16.8 | Qala't Sukar ... | 52 | 31 | 05 | 46 | 71.5 |
| Arbil ... | 11 | 36 | 00 | 44 | 111.3 | Tuz ... | 50 | 34 | 30 | 44 | 69.1 | A'mara ... | 51 | 31 | 10 | 47 | 17.7 |
| Rawanduz ... | 37 | 36 | 33 | 44 | 273.0 | Jalawla .... | 16 | 34 | 09 | 45 | 48.8 | Bada'a ... | 05 | 31 | 55 | 45 | 17.0 |
| Shaqlawa .... | 23 | 36 | 20 | 44 | 321.4 | Mandily ... | 45 | 33 | 33 | 45 | 64.2 | Ur ... | 58 | 30 | 05 | 46 | ... |
| Rayat ... | 41 | 36 | 57 | 44 | 117.6 | Samarra ... | 11 | 34 | 50 | 43 | ... | Fao ... | 59 | 29 | 30 | 48 | 36.5 |

## NOTES ON TABLES

***Mean Air Pressure***:— Is expressed in the millibars, the initial 9 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground evel.

***Hamidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0600 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all abservation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only, where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office, Air Ministry London.

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٠٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥° لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق . ان ارتفاع بصلات المحارير ١٫٣ م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف المدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠ متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/٠١ والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨/٧ أو ٨/٨ .

الريح :- ويعتبر اليوم ذو ريح ≥ ٦ ≤ ٨ اذا كان الريح مساويا الى هذين المقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح (الانيمومتر ) عن سطح الارض

Hs = ارتفاع المحطة عن سطح البحر

Hb = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كرينيج = وقت بغداد المحلي - ٣ ساعات

ان مدلولات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر باذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.**

**التقرير الجوي الشهري**

**MARCH 1954**

**آذار ١٩٥٤**

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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# MONTH MARCH 1954

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) (درجات مئوية) درجات الحرارة (م°) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Mosul*** موصل Q = 35° 28′ N. Λ = 44° 24′ E. Hs. = 222.6 m. Hb. = 223.5 m. ha = 13.2 m. | 1-10 | 18.8 | 19.3 | 16.6 | 17.5 | 6.1 | 8.9 | 16.1 | 10.4 | 17.3 | 4.5 | 19.6 | 5 | 13.4 | 7 | 9.8 | 6 | 0.5 | 1 |
| | 11-20 | 15.9 | 17.7 | 15.3 | 16.6 | 9.5 | 11.4 | 14.4 | 12.0 | 19.5 | 7.6 | 21.7 | 17 | 15.5 | 14 | 11.9 | 18 | 4.1 | 17 |
| | 21-31 | 15.4 | 16.4 | 13.6 | 14.4 | 10.1 | 13.4 | 20.6 | 14.3 | 21.5 | 8.5 | 26.5 | 30 | 17.9 | 25 | 15.1 | 28 | 5.8 | 28 |
| | MONTH | 16.7 | 17.7 | 15.2 | 16.2 | 8.3 | 11.2 | 18.4 | 12.2 | 19.5 | 6.9 | 26.5 | 30 | 13.4 | 7 | 15.1 | 28 | 0.5 | 1,2 |
| ***Kirkuk*** كركوك Q = 35° 78′ N. Λ = 44° 24′ E. Hs. = 330.8 m. Hb. = 331.7 m. ha = 8.2 m. | 1-10 | 16.9 | 17.2 | 15.3 | 16.3 | 8.7 | 12.6 | 17.0 | 12.0 | 18.4 | 7.5 | 20.6 | 10 | 15.9 | 1 | 10.2 | 6,7 | 3.8 | 1 |
| | 11-20 | 15.3 | 16.2 | 14.2 | 16.0 | 11.2 | 14.3 | 19.2 | 13.3 | 20.1 | 10.0 | 23.6 | 18 | 15.6 | 14 | 13.3 | 18 | 7.7 | 20 |
| | 21-31 | 14.7 | 14.6 | 12.5 | 13.6 | 12.3 | 16.3 | 20.4 | 14.7 | 21.5 | 10.9 | 26.5 | 22,30 | 17.9 | 27 | 15.4 | 28 | 7.8 | 28 |
| | MONTH | 15.5 | 15.9 | 14.0 | 15.3 | 10.8 | 14.4 | 18.9 | 13.4 | 20.0 | 9.5 | 25.5 | 22,30 | 15.6 | 14 | 15.4 | 28 | 3.8 | 1 |
| ***Khanaqin*** خانقين Q = 34° 18 N. Λ = 45° 26 E. Hs. = 201.2 m. Hb. = 202.1 m. ha = 6.1 m. | 1-10 | ... | 18.0 | 15.9 | 16.7 | ... | 12.9 | 19.7 | 13.4 | 20.8 | 7.0 | 25.0 | 10 | 16.1 | 1 | 12.2 | 6 | 1.1 | 1 |
| | 11-20 | ... | 16.0 | 14.6 | 16.0 | ... | 15.7 | 21.8 | 15.7 | 22.4 | 10.7 | 26.6 | 17 | 17.4 | 14,15 | 15.0 | 18 | 7.2 | 16 |
| | 21-31 | ... | 13.9 | 12.8 | 14.3 | ... | 17.7 | 22.4 | 16.9 | 23.3 | 11.9 | 29.4 | 22 | 18.3 | 24,25 | 16.6 | 23,24 | 8.3 | 21,28 |
| | MONTH | ... | 15.9 | 14.2 | 15.6 | ... | 15.7 | 21.3 | 15.4 | 22.0 | 9.9 | 29.4 | 22 | 16.1 | 1 | 16.6 | 23,24 | 1.1 | 1 |
| ***Baghdad*** بغداد Q = 33° 20′ N. Λ = 44° 24′ E. Hs. = 34.1 m. Hb. = 40.4 m. ha = 17.7 m. | 1-10 | 16.3 | 17.6 | 15.3 | 15.7 | 10.7 | 13.4 | 20.1 | 14.9 | 21.0 | 8.2 | 26.1 | 10 | 17.9 | 1 | 12.2 | 10 | 1.6 | 1 |
| | 11-20 | 14.6 | 16.9 | 15.1 | 15.9 | 14.1 | 16.0 | 22.3 | 17.6 | 23.5 | 10.9 | 24.9 | 11 | 20.0 | 14 | 12.8 | 12 | 7.5 | 13 |
| | 21-31 | 14.3 | 15.6 | 13.8 | 13.9 | 14.3 | 17.7 | 23.8 | 19.1 | 24.7 | 12.3 | 30.7 | 22 | 21.0 | 24 | 15.7 | 24 | 9.2 | 26 |
| | MONTH | 15.1 | 16.7 | 14.7 | 15.3 | 13.1 | 15.9 | 22.1 | 17.2 | 23.1 | 10.5 | 30.7 | 22 | 17.8 | 1 | 15.7 | 24 | 1.6 | 1 |
| ***Habbaniyah*** حبانية Q = 33° 22′ N. Λ = 44° 21′ E. Hs. = 43.6 m. Hb. = 44.5 m. ha = 14.9 m. | 1-10 | 16.0 | 17.2 | 14.7 | 15.5 | 10.3 | 12.9 | 19.9 | 14.4 | 20.5 | 8.4 | 25.5 | 10 | 16.6 | 1 | 13.3 | 7 | 2.8 | 1,3 |
| | 11-20 | 14.6 | 16.9 | 14.6 | 15.5 | 14.0 | 15.0 | 23.0 | 17.3 | 23.7 | 11.2 | 26.6 | 17 | 20.0 | 14 | 15.0 | 13 | 9.4 | 20 |
| | 21-31 | 14.2 | 15.6 | 13.1 | 13.5 | 14.6 | 17.5 | 25.3 | 18.8 | 25.8 | 12.8 | 31.6 | 31 | 22.2 | 25 | 19.4 | 23 | 9.4 | 23 |
| | MONTH | 14.9 | 16.5 | 14.1 | 14.8 | 13.0 | 15.2 | 22.7 | 16.9 | 23.4 | 10.8 | 31.6 | 31 | 16.1 | 1 | 19.4 | 23 | 2.8 | 1,3 |
| ***Rutba*** رطبة Q = 33° 02 N. Λ = 40° 17 E. Hs. = 615.5 m. Hb. = 616.4 m. ha = 16.1 m. | 1-10 | 19.0 | 18.5 | 14.0 | 16.4 | 5.9 | 9.8 | 16.4 | 10.6 | 17.3 | 3.9 | 22.6 | 9 | 11.8 | 6 | 8.0 | 5 | —0.7 | 2 |
| | 11-20 | 16.7 | 17.2 | 12.1 | 15.5 | 8.7 | 12.2 | 20.6 | 13.8 | 21.7 | 6.8 | 27.6 | 17 | 18.0 | 11,14 | 10.9 | 17 | 4.1 | 11 |
| | 21-31 | 16.2 | 15.9 | 11.9 | 14.6 | 12.2 | 15.3 | 23.2 | 16.8 | 23.7 | 10.0 | 31.0 | 31 | 19.0 | 24,25 | 18.0 | 31 | 5.0 | 23 |
| | MONTH | 17.3 | 17.2 | 12.7 | 15.5 | 8.9 | 11.9 | 20.1 | 13.9 | 21.0 | 7.0 | 31.0 | 31 | 11.8 | 6 | 18.0 | 31 | —0.7 | 2 |
| ***Kut Al-Hai*** كوت الحي Q = 32° 10 N. Λ = 46° 03 E. Hs. = 14.9 m. Hb. = 16.1 m. ha = 7.9 m. | 1-10 | ... | 17.4 | 15.2 | 15.8 | ... | 14.4 | 20.2 | 14.7 | 21.0 | 9.4 | 26.5 | 10 | 16.5 | 6 | 13.8 | 7 | 3.7 | 3 |
| | 11-20 | ... | 16.2 | 14.7 | 15.5 | ... | 17.7 | 23.9 | 17.5 | 24.7 | 13.0 | 27.0 | 12 | 21.2 | 14 | 16.7 | 18 | 9.8 | 17 |
| | 21-31 | ... | 15.4 | 13.5 | 14.0 | ... | 18.1 | 25.0 | 18.1 | 25.6 | 13.0 | 31.2 | 22 | 21.5 | 23 | 18.0 | 28 | 9.8 | 29 |
| | MONTH | ... | 16.3 | 14.4 | 15.1 | ... | 16.8 | 23.1 | 16.8 | 23.8 | 11.8 | 31.2 | 22 | 16.5 | 6 | 18.0 | 23 | 3.7 | 3 |
| ***Diwaniya*** ديوانية Q = 31° 59 N. Λ = 44° 59 E. Hs. = 20.4 m. Hb. = 21.0 m ha = 5.8 m. | 1-10 | 15.2 | 16.6 | 14.0 | 14.3 | 11.2 | 14.8 | 21.2 | 14.8 | 21.9 | 9.2 | 28.2 | 10 | 17.6 | 1 | 12.3 | 9 | 3.3 | 3 |
| | 11-20 | 13.4 | 15.9 | 13.7 | 14.6 | 14.3 | 18.0 | 21.8 | 18.5 | 25.5 | 12.1 | 28.7 | 17 | 20.8 | 14 | 15.6 | 18 | 8.3 | 16 |
| | 21-31 | 13.6 | 14.9 | 12.9 | 13.2 | 14.0 | 19.6 | 25.6 | 18.3 | 26.3 | 12.7 | 32.7 | 22 | 22.0 | 24 | 20.7 | 23 | 9.4 | 26 |
| | MONTH | 14.1 | 15.8 | 13.5 | 14.0 | 13.2 | 17.5 | 23.9 | 17.2 | 24.6 | 11.3 | 32.7 | 22 | 17.6 | 1 | 20.7 | 23 | 3.3 | 3 |
| ***Nasiriya*** ناصرية Q = 31° 01 N. Λ = 46° 14 E. Hs. = 3.0 m. Hb. = 3.7 m. ha = 8.8 m. | 1-10 | 15.4 | 17.2 | 14.9 | 14.9 | 11.1 | 14.8 | 20.1 | 15.0 | 21.4 | 9.4 | 25.9 | 10 | 17.4 | 6 | 14.0 | 10 | 4.4 | 3 |
| | 11-20 | 13.7 | 15.9 | 13.6 | 14.8 | 15.6 | 19.5 | 25.9 | 19.1 | 25.6 | 13.6 | 28.8 | 19 | 24.9 | 14 | 17.5 | 18 | 10.6 | 19 |
| | 21-31 | 14.6 | 15.6 | 13.4 | 13.6 | 15.1 | 19.2 | 25.7 | 19.9 | 26.6 | 13.3 | 32.2 | 31 | 22.5 | 21,24,25 | 20.1 | 23 | 10.1 | 25,26 |
| | MONTH | 14.7 | 16.3 | 13.9 | 14.4 | 14.0 | 17.9 | 24.0 | 18.1 | 24.6 | 12.1 | 32.2 | 31 | 17.4 | 6 | 20.1 | 23 | 4.4 | 3 |
| ***Basrah*** بصره Q = 30° 34 N. Λ = 47° 47 E. Hs. = 2.4 m. Hb. = 13.7 m. ha = 23.5 m. | 1-10 | 15.3 | 17.1 | 15.0 | 15.6 | 12.0 | 15.5 | 20.9 | 15.3 | 21.9 | 10.2 | 27.2 | 10 | 18.2 | 6 | 14.2 | 7 | 5.6 | 3 |
| | 11-20 | 13.8 | 14.9 | 13.3 | 14.5 | 17.1 | 20.1 | 25.7 | 19.0 | 26.5 | 14.0 | 30.8 | 18 | 23.4 | 15 | 18.3 | 18 | 11.7 | 16 |
| | 21-31 | 13.6 | 15.3 | 13.4 | 13.7 | 17.1 | 20.3 | 25.4 | 19.8 | 26.3 | 15.5 | 32.8 | 22 | 21.6 | 24 | 19.2 | 23 | 12.6 | 26 |
| | MONTH | 14.2 | 15.8 | 13.9 | 14.6 | 15.5 | 18.7 | 24.0 | 18.1 | 25.0 | 13.6 | 32.8 | 22 | 18.2 | 6 | 19.1 | 23 | 5.6 | 3 |

# شهر آذار ١٩٥٤

| درجة الندى (م°) Dew Point (°C) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأعمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأعمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | هطول المطر بالمليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | أعلى كمية مطر سقطت خلال ٢٤ ساعة Max.Fall In24(hrs.) | التاريخ Date |
| 5.1 | 5.9 | 6.3 | 7.5 | 94 | 81 | 58 | 83 | 9.1 | 9.5 | 10.1 | 10.2 | 2.0 | 2.8 | 4.1 | 3.3 | 3.0 | 4.3 | 6.1 | 4.7 | 84.6 | 53.7 | 6 |
| 8.1 | 8.8 | 8.2 | 9.3 | 92 | 85 | 53 | 84 | 11.0 | 11.4 | 11.0 | 11.8 | 3.9 | 2.9 | 4.2 | 3.0 | 6.0 | 4.8 | 5.8 | 5.0 | 19.7 | 7.0 | 13 |
| 8.5 | 10.2 | 10.2 | 11.0 | 91 | 82 | 56 | 81 | 11.3 | 12.7 | 13.2 | 13.3 | 2.0 | 2.7 | 3.0 | 3.5 | 3.5 | 5.7 | 6.4 | 4.9 | 60.7 | 27.4 | 23 |
| 7.2 | 8.3 | 8.3 | 9.3 | 93 | 83 | 55 | 83 | 10.5 | 11.2 | 11.5 | 11.8 | 2.6 | 2.6 | 3.8 | 3.3 | 4.1 | 5.0 | 6.1 | 4.9 | 165.0 | 53.7 | 6 |
| 4.8 | 5.6 | 5.5 | 6.5 | 78 | 64 | 50 | 70 | 8.9 | 9.4 | 9.6 | 9.9 | 1.9 | 1.6 | 3.0 | 0.7 | 3.3 | 4.6 | 5.7 | 2.5 | 39.0 | 13.0 | 5 |
| 8.2 | 8.9 | 7.6 | 8.9 | 82 | 71 | 49 | 76 | 11.0 | 11.5 | 10.6 | 11.5 | 2.6 | 1.8 | 2.5 | 1.3 | 5.0 | 4.7 | 5.4 | 5.4 | 51.0 | 33.0 | 17 |
| 8.4 | 10.1 | 9.3 | 10.5 | 79 | 69 | 52 | 77 | 11.4 | 12.6 | 12.1 | 12.6 | 2.0 | 1.7 | 2.3 | 2.1 | 4.0 | 5.0 | 5.6 | 4.5 | 64.1 | 32.5 | 23 |
| 7.2 | 8.2 | 7.5 | 8.7 | 80 | 68 | 50 | 74 | 10.5 | 11.2 | 10.8 | 11.4 | 1.9 | 1.7 | 2.6 | 1.4 | 4.1 | 4.8 | 5.6 | 4.2 | 154.1 | 33.0 | 17 |
| ... | 6.0 | 5.3 | 6.1 | ... | 64 | 40 | 63 | ... | 9.7 | 9.1 | 9.8 | ... | 2.2 | 1.8 | 2.4 | ... | 4.7 | 4.3 | 3.3 | 19.3 | 11.8 | 6 |
| ... | 9.1 | 7.0 | 9.2 | ... | 66 | 40 | 66 | ... | 11.7 | 10.2 | 11.7 | ... | 2.7 | 3.9 | 1.4 | ... | 5.7 | 6.8 | 4.5 | 32.6 | 20.0 | 13 |
| ... | 8.8 | 9.0 | 10.4 | ... | 59 | 46 | 68 | ... | 11.7 | 11.8 | 12.9 | ... | 1.2 | 3.0 | 2.3 | ... | 4.6 | 5.5 | 3.1 | 70.5 | 44.9 | 23 |
| ... | 7.9 | 7.1 | 8.6 | ... | 63 | 42 | 66 | ... | 11.0 | 10.4 | 11.5 | ... | 2.0 | 2.9 | 2.0 | ... | 5.0 | 5.5 | 3.5 | 122.4 | 44.9 | 23 |
| 5.9 | 6.8 | 6.3 | 6.9 | 75 | 67 | 42 | 59 | 9.9 | 10.2 | 9.9 | 10.2 | 1.0 | 1.5 | 2.7 | 1.1 | 1.7 | 3.7 | 5.6 | 3.5 | 0.1 | 0.1 | 5 |
| 9.2 | 10.1 | 8.3 | 9.0 | 73 | 70 | 42 | 58 | 11.8 | 13.5 | 11.2 | 11.9 | 1.7 | 0.9 | 2.7 | 0.0 | 4.3 | 3.8 | 5.4 | 2.7 | 15.1 | 14.5 | 13 |
| 10.3 | 10.9 | 9.9 | 10.4 | 78 | 65 | 44 | 60 | 12.6 | 13.3 | 12.8 | 12.8 | 0.3 | 1.6 | 2.2 | 1.4 | 2.9 | 4.6 | 5.5 | 3.4 | 54.1 | 50.0 | 23 |
| 8.5 | 9.2 | 8.2 | 8.8 | 76 | 67 | 43 | 59 | 11.4 | 12.3 | 11.3 | 11.6 | 1.0 | 1.3 | 2.5 | 0.8 | 3.0 | 4.0 | 5.5 | 3.2 | 69.5 | 50.0 | 23 |
| 6.7 | 7.2 | 7.0 | 7.5 | 77 | 67 | 44 | 62 | 9.9 | 10.2 | 10.1 | 10.4 | 0.4 | 0.8 | 2.6 | 1.1 | 1.6 | 3.2 | 5.4 | 3.2 | 0.5 | 0.5 | 5 |
| 10.0 | 10.3 | 9.1 | 10.3 | 76 | 74 | 41 | 63 | 12.3 | 12.6 | 11.6 | 12.6 | 0.8 | 1.1 | 3.0 | 1.2 | 4.5 | 3.4 | 4.7 | 4.6 | 10.7 | 5.7 | 31 |
| 10.8 | 11.9 | 10.0 | 11.9 | 73 | 68 | 35 | 64 | 13.0 | 13.4 | 12.3 | 13.9 | 0.7 | 0.3 | 0.6 | 0.7 | 3.7 | 3.7 | 4.5 | 3.6 | 35.4 | 35.4 | 23 |
| 9.2 | 9.8 | 8.7 | 9.9 | 77 | 70 | 41 | 63 | 11.8 | 12.3 | 11.4 | 12.4 | 0.7 | 1.1 | 2.0 | 1.0 | 3.3 | 3.5 | 4.8 | 3.8 | 46.6 | 35.4 | 23 |
| 2.4 | 2.7 | 1.3 | 2.6 | 78 | 71 | 39 | 60 | 6.7 | 7.7 | 6.9 | 6.6 | 1.4 | 2.2 | 2.5 | 0.5 | 2.7 | 3.6 | 4.2 | 2.3 | 1.8 | 1.6 | 6 |
| 3.8 | 4.5 | 1.5 | 3.5 | 73 | 61 | 29 | 52 | 8.1 | 8.5 | 6.9 | 8.0 | 1.3 | 0.5 | 1.1 | 0.3 | 2.8 | 3.3 | 4.0 | 3.6 | 5.8 | 2.7 | 17 |
| 4.5 | 5.1 | 2.1 | 5.0 | 63 | 55 | 29 | 47 | 8.8 | 9.2 | 7.6 | 9.2 | 1.6 | 1.1 | 2.4 | 2.5 | 3.0 | 3.3 | 4.5 | 4.0 | 6.0 | 5.9 | 23 |
| 3.6 | 4.1 | 1.7 | 3.7 | 71 | 62 | 32 | 53 | 7.9 | 8.5 | 7.1 | 8.0 | 1.4 | 1.3 | 2.0 | 1.1 | 2.8 | 3.4 | 4.3 | 3.3 | 13.1 | 5.9 | 23 |
| ... | 8.6 | 7.2 | 10.9 | ... | 69 | 46 | 65 | ... | 11.6 | 10.9 | 11.2 | ... | 1.6 | 2.5 | 1.6 | ... | 3.5 | 4.0 | 4.0 | 4.0 | 2.0 | 5 |
| ... | 12.2 | 10.0 | 11.3 | ... | 71 | 43 | 67 | ... | 14.4 | 12.7 | 13.6 | ... | 0.8 | 1.3 | 0.2 | ... | 2.9 | 3.3 | 2.9 | 10.8 | 7.8 | 13 |
| ... | 12.9 | 10.3 | 12.2 | ... | 73 | 43 | 70 | ... | 15.1 | 13.3 | 14.5 | ... | 1.7 | 2.2 | 0.0 | ... | 3.3 | 4.3 | 2.0 | 12.0 | 7.8 | 23 |
| ... | 11.2 | 9.2 | 11.5 | ... | 71 | 44 | 67 | ... | 13.7 | 12.3 | 13.1 | ... | 1.4 | 2.0 | 0.6 | ... | 3.2 | 3.9 | 2.9 | 26.8 | 7.8 | 13.23 |
| 6.7 | 8.5 | 6.9 | 6.8 | 75 | 67 | 41 | 58 | 10.2 | 11.6 | 10.5 | 10.3 | 1.0 | 1.4 | 2.2 | 0.7 | 2.2 | 3.3 | 5.3 | 1.7 | 0.9 | 0.7 | 7 |
| 8.4 | 10.2 | 8.7 | 9.8 | 69 | 61 | 39 | 53 | 11.4 | 12.6 | 12.6 | 12.6 | 1.0 | 0.8 | 1.0 | 0.3 | 3.0 | 2.8 | 3.4 | 2.1 | 5.1 | 5.1 | 13 |
| 10.1 | 12.4 | 9.8 | 10.1 | 78 | 63 | 39 | 61 | 12.5 | 14.7 | 10.8 | 12.7 | 1.2 | 1.5 | 0.9 | 0.7 | 2.3 | 3.3 | 4.0 | 1.6 | 12.9 | 8.6 | 24 |
| 8.4 | 10.4 | 8.5 | 8.9 | 74 | 64 | 40 | 59 | 11.4 | 13.0 | 11.3 | 11.9 | 1.1 | 1.3 | 1.4 | 0.6 | 2.5 | 3.1 | 4.2 | 1.8 | 16.9 | 8.6 | 24 |
| 7.0 | 8.7 | 8.2 | 7.9 | 77 | 69 | 51 | 62 | 10.5 | 11.4 | 11.7 | 11.2 | 1.6 | 2.2 | 3.6 | 2.6 | 2.4 | 4.7 | 5.6 | 3.3 | 18.2 | 14.3 | 6 |
| 11.5 | 12.5 | 8.4 | 11.2 | 77 | 54 | 36 | 61 | 13.8 | 14.4 | 11.5 | 13.7 | 0.6 | 1.3 | 2.5 | 0.2 | 2.7 | 3.2 | 4.0 | 3.5 | 0.9 | 0.6 | 13 |
| 9.8 | 11.3 | 8.6 | 10.7 | 78 | 61 | 39 | 57 | 12.4 | 13.4 | 12.1 | 13.1 | 0.9 | 2.1 | 3.5 | 1.0 | 3.4 | 3.8 | 5.5 | 2.7 | 8.2 | 6.4 | 27 |
| 9.4 | 10.8 | 8.4 | 10.0 | 75 | 61 | 42 | 60 | 12.2 | 13.4 | 11.8 | 12.7 | 1.0 | 1.9 | 3.2 | 1.3 | 2.9 | 3.9 | 5.0 | 3.2 | 27.3 | 14.3 | 6 |
| 10.7 | 12.1 | 11.7 | 12.5 | 92 | 81 | 59 | 84 | 13.1 | 14.5 | 14.4 | 14.7 | 0.5 | 0.6 | 1.5 | 1.1 | 2.0 | 3.9 | 5.0 | 4.1 | 13.1 | 6.5 | 6 |
| 14.0 | 15.4 | 14.2 | 13.5 | 82 | 75 | 50 | 71 | 16.0 | 17.6 | 16.4 | 15.6 | 0.4 | 0.7 | 0.0 | 0.2 | 3.6 | 4.0 | 3.6 | 2.5 | 4.8 | 3.0 | 13 |
| 13.8 | 13.4 | 12.6 | 13.7 | 81 | 68 | 48 | 69 | 15.8 | 16.1 | 15.0 | 15.9 | 0.0 | 0.9 | 0.6 | 0.3 | 3.0 | 3.1 | 3.6 | 2.0 | 11.7 | 10.8 | 21 |
| 12.8 | 13.7 | 12.9 | 13.2 | 85 | 75 | 53 | 74 | 15.0 | 16.1 | 15.2 | 15.4 | 0.3 | 0.7 | 0.7 | 0.5 | 2.8 | 3.7 | 4.1 | 2.9 | 29.6 | 10.8 | 21 |

# MONTH MARCH 1954

| المحطة STATION | المدة Period | Numbers of Days. عدد الايام: مطر Rain | ثلج Snow | برد Hail | عاصفة رعدية Thunderstorms | ضباب Fog | زوبعة غبار Duststorm | الجو صحو Clear | الجو غائم Cloudy | مطول المطر بالمليمترات Rainfall (mms.) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observations. 0000 (G.M.T.) شمالي N. | شمال شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمال غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل Q = 36° 19′ N. X = 43° 09′ E. | 1—10 | 6 | 0 | 0 | 0 | 1 | 0 | 2 | 4 | 4 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 |
| | 11—20 | 6 | 0 | 0 | 1 | 2 | 0 | 0 | 8 | 5 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 6 | 5 |
| Hs. = 222.6 m. Hb. = 223.5 m. | 21—31 | 5 | 0 | 1 | 2 | 0 | 0 | 0 | 4 | 4 | 3 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 1 |
| ha = 13.1 m. | MONTH | 17 | 0 | 1 | 3 | 3 | 0 | 2 | 11 | 13 | 6 | 6 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 24 | 2 |
| **Kirkuk** كركوك Q = 35° 28′ N. X = 44° 21′ E. | 1—10 | 5 | 0 | 0 | 1 | 1 | 0 | 2 | 8 | 5 | 2 | 1 | 0 | 1 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 6 |
| | 11—20 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 2 | 1 | 0 | 0 | 3 | 1 | 3 | 1 | 0 | 0 | 1 | 1 | 6 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21—31 | 4 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 3 | 2 | 0 | 0 | 0 | 8 | 0 | 1 | 2 | 0 | 0 | 0 | 10 | 6 |
| ha = 8.2 m. | MONTH | 12 | 0 | 1 | 3 | 1 | 0 | 3 | 8 | 11 | 6 | 2 | 0 | 1 | 18 | 1 | 5 | 3 | 0 | 0 | 1 | 2 | 6 |
| **Khanaqin** خانقين Q = 34° 18′ N. Y = 45 26 E. | 1—10 | 5 | 0 | 0 | 1 | 0 | 0 | 3 | 3 | 5 | 1 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| | 11—20 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. Hb. = 204.1 m. | 21—31 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 2 | 2 | 2 | 1 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 10 | 0 | 0 | 4 | 0 | 0 | 4 | 7 | 9 | 5 | 3 | 1 | ... | — | — | — | — | — | — | — | — | ... |
| **Baghdad** بغداد Q = 33° 20′ N. X = 44 24 E. | 1—10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 3 | 0 | 2 | 0 | 4 | 2 | 0 | 0 | 1 | 1 | 0 | 9 |
| | 11—20 | 2 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 3 | 1 | 1 | 3 | 0 | 0 | 1 | 0 | 8 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21—31 | 2 | 0 | 0 | 2 | 0 | 1 | 2 | 3 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 1 | 2 | 3 | 0 | 8 |
| ha = 17.7 m. | MONTH | 4 | 0 | 0 | 5 | 0 | 2 | 4 | 6 | 3 | 2 | 3 | 0 | 4 | 3 | 6 | 5 | 4 | 1 | 3 | 5 | 0 | 8 |
| **Habbaniya** حبانية Q = 33° 22′ N. X = 43 34 E. | 1—10 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 1 | 1 | 3 | 7 |
| | 11—20 | 2 | 0 | 0 | 2 | 0 | 2 | 1 | 1 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 3 | 0 | 0 | 2 | 1 | 7 |
| Hs. = 34.6 m. Hb. = 44.5 m. | 21—31 | 1 | 0 | 0 | 2 | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 6 | 5 |
| ha = 14.9 m. | MONTH | 4 | 0 | 0 | 4 | 0 | 5 | 4 | 3 | 3 | 1 | 4 | 1 | 2 | 2 | 4 | 2 | 4 | 0 | 2 | 5 | 10 | 6 |
| **Rutba** رطبة Q = 33° 02′ N. X = 40 17 E. | 1—10 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 3 |
| | 11—20 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 5 | 6 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21—31 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 2 | 2 | 3 | 8 |
| ha = 16.1 m. | MONTH | 5 | 0 | 0 | 2 | 1 | 0 | 5 | 2 | 5 | 0 | 6 | 0 | 0 | 3 | 2 | 1 | 3 | 2 | 4 | 4 | 12 | 6 |
| **Kut Al-Hai** كوت الحي Q. = 32° 10′ N. X = 46 03′ E. | 1—10 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 0 | 1 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 11—20 | 3 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 3 | 0 | 1 | 0 | ... | — | — | — | — | — | — | — | — | — |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21—31 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 2 | 0 | 2 | 0 | ... | — | — | — | — | — | — | — | — | — |
| ha = 7.9 m. | MONTH | 8 | 0 | 0 | 3 | 0 | 0 | 7 | 3 | 7 | 0 | 4 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **Diwanıya** الديوانية Q = 31° 59′ N. N = 44 59 E. | 1—10 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 3 | 1 | 0 | 0 | 2 | 1 | 1 | 11 |
| | 11—20 | 1 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 1 | 0 | 3 | 0 | 2 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 17 |
| Hs. = 20.4 m. Hb. = 21.0 m. | 21—31 | 4 | 0 | 0 | 1 | 0 | 1 | 4 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 5 | 2 | 0 | 9 |
| ha = 5.8 m. | MONTH | 7 | 0 | 0 | 2 | 0 | 4 | 9 | 1 | 3 | 0 | 9 | 0 | 4 | 2 | 5 | 2 | 5 | 0 | 7 | 3 | 3 | 12 |
| **Nasiriya** ناصرية Q = 31° 01′ N. X = 46 14 E. | 1—10 | 5 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 1 | 0 | 1 | 3 | 1 | 2 | 0 | 2 | 1 | 0 | 9 |
| | 11—20 | 2 | 0 | 0 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 7 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21—31 | 2 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 3 | 1 | 4 | 0 | 0 | 6 |
| ha = 8.8 m. | MONTH | 9 | 0 | 0 | 4 | 0 | 4 | 4 | 3 | 3 | 1 | 3 | 1 | 1 | 1 | 8 | 3 | 6 | 2 | 7 | 2 | 1 | 8 |
| **Basra** بصرة Q = 30° 31′ N. X = 47 47 E. | 1—10 | 3 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 4 |
| | 11—20 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 6 |
| Hs. = 2.4 m. Hb = 13.7 m. | 21—31 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 2 | 2 | 2 | 5 |
| ha = 23.5 m. | MONTH | 7 | 0 | 0 | 4 | 1 | 1 | 0 | 3 | 5 | 1 | 1 | 0 | 5 | 2 | 3 | 3 | 6 | 0 | 3 | 5 | 4 | 5 |

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

| 0600 (G.M.T.) | | | | | | | | | | 1200 (G.M.T.) | | | | | | | | | | 1800 (G.M.T.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
| 1 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 4 | 8 | 0 | 1 | 5 | 0 | 1 | 0 | 2 | 0 | 1 | 9 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 4 |
| 2 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 5 | 0 | 1 | 5 | 0 | 0 | 1 | 1 | 1 | 1 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 6 | 6 |
| 2 | 2 | 2 | 0 | 0 | 0 | 3 | 1 | 2 | 6 | 0 | 2 | 2 | 1 | 1 | 0 | 3 | 1 | 1 | 9 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 1 |
| 5 | 3 | 4 | 0 | 0 | 1 | 5 | 4 | 9 | 6 | 0 | 4 | 12 | 1 | 2 | 1 | 6 | 2 | 3 | 8 | 1 | 4 | 3 | 0 | 0 | 0 | 1 | 1 | 21 | 4 |
| 0 | 4 | 2 | 3 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 1 | 0 | 1 | 3 | 1 | 2 | 0 | 1 | 7 | 1 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 5 |
| 1 | 3 | 2 | 2 | 1 | 0 | 1 | 0 | 0 | 7 | 1 | 0 | 1 | 2 | 0 | 1 | 4 | 1 | 0 | 7 | 1 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 1 | 7 |
| 0 | 3 | 2 | 1 | 4 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 0 | 2 | 1 | 2 | 1 | 1 | 0 | 9 | 1 | 4 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 5 |
| 1 | 10 | 6 | 6 | 5 | 0 | 1 | 0 | 2 | 5 | 6 | 1 | 1 | 5 | 4 | 4 | 7 | 2 | 1 | 8 | 3 | 11 | 7 | 5 | 1 | 1 | 0 | 0 | 3 | 6 |
| 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 6 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 6 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 8 | 1 |
| 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 7 | 7 | 0 | 0 | 0 | 0 | 3 | 0 | 5 | 2 | 1 | 9 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 7 | 2 |
| 0 | 0 | 4 | 1 | 6 | 0 | 1 | 0 | 19 | 4 | 1 | 0 | 0 | 0 | 7 | 0 | 12 | 3 | 8 | 6 | 1 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 25 | 1 |
| 0 | 0 | 3 | 2 | 1 | 0 | 0 | 4 | 0 | 10 | 1 | 0 | 1 | 3 | 1 | 1 | 0 | 3 | 0 | 12 | 1 | 0 | 2 | 1 | 0 | 0 | 1 | 2 | 0 | 9 |
| 1 | 0 | 0 | 1 | 0 | 1 | 1 | 6 | 0 | 9 | 4 | 2 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 11 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 2 | 2 | 8 |
| 2 | 0 | 1 | 1 | 1 | 2 | 1 | 3 | 0 | 8 | 2 | 1 | 1 | 1 | 2 | 0 | 1 | 3 | 0 | 13 | 1 | 0 | 2 | 3 | 2 | 1 | 0 | 1 | 1 | 8 |
| 3 | 0 | 4 | 4 | 2 | 3 | 2 | 13 | 0 | 9 | 7 | 3 | 3 | 5 | 3 | 1 | 3 | 6 | 0 | 12 | 3 | 2 | 9 | 5 | 2 | 1 | 1 | 5 | 5 | 8 |
| 0 | 2 | 2 | 1 | 0 | 0 | 1 | 4 | 0 | 12 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 5 | 0 | 12 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 3 | 2 | 3 |
| 0 | 2 | 0 | 1 | 0 | 0 | 1 | 5 | 1 | 6 | 2 | 2 | 0 | 2 | 1 | 0 | 1 | 2 | 0 | 12 | 3 | 2 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 9 |
| 1 | 0 | 2 | 0 | 1 | 0 | 0 | 7 | 0 | 8 | 2 | 1 | 1 | 0 | 3 | 0 | 0 | 3 | 1 | 12 | 2 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 4 | 6 |
| 1 | 4 | 4 | 2 | 1 | 0 | 2 | 15 | 1 | 9 | 4 | 4 | 4 | 2 | 4 | 1 | 1 | 10 | 1 | 12 | 5 | 3 | 5 | 7 | 0 | 0 | 1 | 4 | 6 | 8 |
| 1 | 0 | 2 | 0 | 1 | 1 | 2 | 0 | 3 | 6 | 1 | 1 | 3 | 0 | 1 | 1 | 0 | 1 | 2 | 9 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 3 | 6 |
| 0 | 0 | 2 | 2 | 0 | 1 | 2 | 1 | 2 | 10 | 0 | 0 | 1 | 3 | 3 | 0 | 2 | 0 | 1 | 15 | 0 | 4 | 3 | 0 | 0 | 0 | 2 | 1 | 0 | 12 |
| 0 | 0 | 0 | 1 | 4 | 0 | 2 | 3 | 1 | 10 | 0 | 1 | 1 | 1 | 2 | 1 | 2 | 3 | 0 | 13 | 2 | 1 | 1 | 4 | 0 | 0 | 1 | 0 | 2 | 7 |
| 1 | 0 | 4 | 3 | 5 | 2 | 6 | 4 | 6 | 9 | 1 | 2 | 5 | 4 | 6 | 2 | 4 | 4 | 3 | 12 | 3 | 7 | 6 | 5 | 0 | 0 | 3 | 2 | 5 | 8 |
| 0 | 2 | 4 | 0 | 0 | 0 | 3 | 1 | 0 | 9 | 1 | 1 | 5 | 0 | 0 | 0 | 1 | 2 | 0 | 10 | 0 | 1 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 7 |
| 1 | 1 | 2 | 0 | 1 | 0 | 3 | 2 | 0 | 4 | 2 | 0 | 4 | 0 | 0 | 0 | 3 | 1 | 0 | 10 | 2 | 0 | 3 | 0 | 0 | 0 | 3 | 2 | 0 | 5 |
| 0 | 1 | 4 | 1 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 4 | 0 | 0 | 1 | 6 | 0 | 0 | 10 | 1 | 0 | 3 | 2 | 0 | 0 | 2 | 3 | 0 | 5 |
| 1 | 4 | 10 | 1 | 1 | 0 | 11 | 3 | 0 | 6 | 3 | 1 | 13 | 0 | 0 | 1 | 10 | 3 | 0 | 10 | 3 | 1 | 11 | 3 | 0 | 0 | 7 | 6 | 0 | 6 |
| 0 | 1 | 3 | 1 | 1 | 0 | 3 | 0 | 1 | 12 | 3 | 0 | 2 | 3 | 0 | 0 | 1 | 1 | 0 | 13 | 1 | 0 | 5 | 1 | 0 | 0 | 3 | 0 | 0 | 12 |
| 2 | 2 | 1 | 1 | 0 | 1 | 1 | 2 | 0 | 9 | 1 | 1 | 2 | 1 | 0 | 0 | 3 | 1 | 1 | 10 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 8 |
| 3 | 1 | 0 | 0 | 1 | 1 | 5 | 0 | 0 | 10 | 3 | 0 | 1 | 2 | 0 | 0 | 4 | 1 | 0 | 13 | 3 | 1 | 3 | 1 | 1 | 0 | 2 | 0 | 0 | 9 |
| 5 | 4 | 4 | 2 | 2 | 2 | 9 | 2 | 1 | 10 | 7 | 1 | 5 | 6 | 0 | 0 | 8 | 3 | 1 | 12 | 7 | 3 | 11 | 2 | 1 | 0 | 5 | 0 | 2 | 10 |
| 1 | 0 | 3 | 2 | 2 | 0 | 0 | 2 | 0 | 11 | 2 | 1 | 3 | 2 | 0 | 0 | 0 | 1 | 1 | 11 | 0 | 0 | 6 | 1 | 1 | 0 | 0 | 2 | 0 | 12 |
| 2 | 0 | 3 | 1 | 3 | 0 | 0 | 1 | 0 | 9 | 1 | 2 | 2 | 2 | 0 | 0 | 0 | 3 | 0 | 15 | 4 | 0 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 7 |
| 1 | 0 | 0 | 2 | 1 | 1 | 2 | 3 | 1 | 8 | 2 | 0 | 2 | 1 | 0 | 0 | 2 | 4 | 0 | 11 | 4 | 1 | 0 | 4 | 0 | 0 | 1 | 1 | 0 | 9 |
| 4 | 0 | 6 | 5 | 6 | 1 | 2 | 7 | 1 | 9 | 5 | 3 | 7 | 5 | 0 | 0 | 2 | 6 | 1 | 12 | 8 | 6 | 9 | 7 | 1 | 0 | 1 | 4 | 0 | 9 |
| 0 | 1 | 3 | 2 | 0 | 0 | 2 | 1 | 1 | 5 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 7 | 2 | 1 | 3 | 0 | 1 | 0 | 0 | 1 | 2 | 6 |
| 2 | 1 | 2 | 0 | 2 | 0 | 0 | 1 | 2 | 6 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 4 | 2 | 10 | 2 | 3 | 2 | 1 | 0 | 0 | 1 | 1 | 0 | 5 |
| 0 | 0 | 1 | 0 | 1 | 3 | 2 | 3 | 1 | 7 | 2 | 1 | 0 | 0 | 1 | 0 | 2 | 4 | 1 | 9 | 2 | 1 | 3 | 0 | 1 | 1 | 0 | 3 | 0 | 4 |
| 2 | 2 | 6 | 2 | 3 | 3 | 4 | 5 | 4 | 6 | 3 | 1 | 3 | 2 | 3 | 1 | 3 | 10 | 5 | 9 | 6 | 5 | 8 | 1 | 2 | 1 | 1 | 5 | 2 | 5 |

**MONTH MARCH 1954**

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha متر Meters | الارتفاع Height Hs متر Meters | توزيع الريح DISTRIBUTION OF WIND: اكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | استدامة Duration ساعات hrs. | ٢١ الى ٣٥ عقدة 21—35 Kts. عدد الايام No. of days | استدامة DURATION ١١-٢٠ عقدة 11—20 Kts. ساعات hrs. | ٤-١٠ عقدة 4—10 Kts. ساعات hrs. | أقل من ٤ عقد < 4 Kts. ساعات hrs. | لاقيد No. Record ساعات hrs. | السرعة القصوى للريح EXTREME VELOCITIES: أقصى سرعة للريح خلال ساعة Highest Hourly Wind. الاتجاه Vear. From N درجات deg. | السرعة Speed. عقدة Knots | الساعة المنتهي فيها Hour endut س h. ي d. | أعلى عصفة Highest Gust. السرعة Speed. عقدة Knots. | الوقت Time د d. س h. ى s. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | ... | 7 | 30 | 177 | 513 | 23 | 1 | 110 | 30 | 6 1300 | 50 | 6 12 10 |

## ADDITIONAL DATA — مدلولات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun Shine (hours) | درجة حرارة الارض Temperature of Earth. على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days. الصقيع الارضي Ground from. | النهاية الصغرى أقل من ١- Min < 1- | النهاية العظمى أكثر من ١٨ Max < 18 | عدد مرات كون الغيم اكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 300 Meters. | قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية 3 Hourly Values of Temp. oC and Relative Himidity % الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 199.9 | 4.3 | 13.6 | 14.3 | ... | 4 | 4 | 0 | 3 | الحرارة Temperature | 8.6 | 7.7 | 11.3 | 16.7 | 18.4 | 16.2 | 12.3 | 10.3 |
| | | | | | | | | | | الرطوبة Humidity | 93 | 92 | 83 | 63 | 55 | 66 | 83 | 90 |
| KIRKUK ... | ... | ... | 13.4 | 14.1 | ... | 0 | 0 | 0 | 3 | الحرارة Temperature | 10.8 | 10.4 | 14.4 | 17.6 | 19.0 | 16.6 | 13.4 | 12.0 |
| | | | | | | | | | | الرطوبة Humidity | 80 | 79 | 68 | 56 | 50 | 64 | 74 | 79 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 3 | 0 | 0 | الحرارة Temperature | ... | 11.1 | 15.5 | ... | 21.3 | 19.3 | 15.4 | ... |
| | | | | | | | | | | الرطوبة Humidity | ... | 76 | 63 | ... | 42 | 49 | 66 | ... |
| BAGHDAD ... | 241.6 | 8.1 | 17.4 | 18.8 | ... | 0 | 2 | 0 | 1 | الحرارة Temperature | 13.1 | 11.9 | 15.9 | 20.6 | 23.1 | 20.4 | 17.8 | 15.3 |
| | | | | | | | | | | الرطوبة Humidity | 76 | 79 | 67 | 49 | 43 | 46 | 61 | 66 |
| HABBANIYA ... | 224.4 | 8.9 | 19.0 | 19.0 | ... | ... | 3 | 0 | 0 | الحرارة Temperature | 12.0 | 11.6 | 15.2 | 23.9 | 22.7 | 23.6 | 16.9 | 14.6 |
| | | | | | | | | | | الرطوبة Humidity | 77 | 82 | 70 | 48 | 41 | 48 | 68 | 73 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 4 | 0 | 0 | الحرارة Temperature | 8.9 | 7.7 | 11.9 | 17.8 | 20.2 | 18.4 | 13.9 | 11.2 |
| | | | | | | | | | | الرطوبة Humidity | 71 | 76 | 62 | 40 | 32 | 36 | 53 | 66 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 | الحرارة Temperatue | ... | 12.7 | 16.8 | 21.6 | 23.1 | 20.1 | 16.8 | ... |
| | | | | | | | | | | الرطوبة Humidity | ... | 81 | 71 | 50 | 44 | 55 | 67 | ... |
| DIWANIYA ... | ... | ... | ... | ... | ... | 0 | 1 | 0 | 3 | الحرارة Temperature | 13.2 | 12.4 | 17.5 | 22.2 | 23.9 | 21.6 | 17.2 | 15.3 |
| | | | | | | | | | | الرطوبة Humidity | 74 | 77 | 64 | 45 | 40 | 45 | 59 | 67 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 | الحرارة Temperature | 14.0 | 13.3 | 17.9 | 22.9 | 24.0 | 21.6 | 18.1 | ... |
| | | | | | | | | | | الرطوبة Humidity | 75 | 76 | 61 | 44 | 42 | 49 | 60 | ... |
| BASRA ... | 229.3 | 8.1 | ... | ... | 17.7 | 1 | 0 | 1 | 1 | الحرارة Temperature | 15.5 | 14.5 | 18.7 | 22.9 | 24.0 | 21.3 | 18.1 | 16.8 |
| | | | | | | | | | | الرطوبة Humidity | 85 | 88 | 74 | 57 | 52 | 60 | 74 | 79 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS.

## مدلولات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo .... | 37 | 08 | 42 | 41 | 191.4 | Sulaimanya ... | 35 | 33 | 45 | 25 | 203.7 | Hilla ... | 32 | 29 | 44 | 26 | ... |
| Amadia ... | 37 | 05 | 43 | 30 | 202.2 | Chamchamal ... | 35 | 32 | 44 | 51 | 107.3 | Hit .... | 33 | 4 | 42 | 55 | 49.9 |
| Aqra ... | 36 | 45 | 43 | 53 | 276.3 | Penjwin ... | 35 | 37 | 45 | 58 | 299.5 | Hindiya ... | 32 | 42 | 44 | 17 | 52.4 |
| Duhok ... | 36 | 52 | 43 | 02 | 155.8 | Halabja ... | 35 | 11 | 45 | 59 | 189.5 | Karbal ... | 32 | 37 | 44 | 01 | 15.2 |
| Sanat ... | 36 | 47 | 42 | 48 | 310.5 | Chwarta ... | 35 | 44 | 45 | 33 | 284.5 | Anah ... | 32 | 28 | 41 | 57 | 37.0 |
| Sarsank ... | 36 | 58 | 43 | 32 | 351.7 | Bakrajo ... | 35 | 34 | 45 | 23 | 254.7 | Samawa ... | 31 | 20 | 45 | 15 | 14.0 |
| Sijar ... | 36 | 19 | 41 | 50 | 157.0 | Iftikhar ... | 35 | 03 | 44 | 27 | 70.6 | Kut ... | 32 | 30 | 45 | 45 | 12.9 |
| Telafar ... | 36 | 22 | 42 | 28 | 146.0 | Al-Mansur .... | 34 | 05 | 44 | 58 | 127.0 | Qala't Sukar ... | 31 | 52 | 46 | 05 | ... |
| Arbil ... | 36 | 11 | 44 | 00 | 114.4 | Tuz ... | 34 | 50 | 44 | 30 | 121.4 | A'mara ... | 31 | 51 | 47 | 10 | 31.0 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 339.0 | Jalawla .... | 34 | 16 | 45 | 09 | 102.1 | Bada'a ... | 31 | 05 | 45 | 55 | 23.0 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | 250.2 | Mandily ... | 33 | 45 | 45 | 33 | 84.8 | Ur ... | 30 | 58 | 46 | 05 | ... |
| Rayat ... | 36 | 41 | 44 | 57 | 160.4 | Samarra ... | 34 | 11 | 43 | 50 | ... | Fao ... | 29 | 59 | 48 | 30 | 86.8 |

## NOTES ON TABLES

***Mean Air Pressure***:— Is expressed in the millibars, the initial 9 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0300 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all abservation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only, where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office. Air Ministry London.

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٠٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥° لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق ١٫٣ ارتفاع بصلات المحارير ٣ر١م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف العدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٢ر٠ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/٠١ والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨/٧ أو ٨/٠٨

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≤ ٨ اذا كان الريح مساويا الى هذين للقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح ( الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كرينيج = وقت بغداد المحلي - ٣ ساعات

ان مدلولات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر باذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.**

**التقرير الجوي الشهري**

**APRIL 1954**

**نيسان ١٩٥٤**

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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WEATHER BUREAU

# MONTH APRIL 1954

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) (درجات مئوية) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28′ N. | 1-10 | 09.7 | 10.5 | 8.7 | 9.1 | 11.3 | 13.4 | 16.4 | 12.7 | 17.7 | 10.1 | 22.7 | 1 | 13.7 | 8 | 14.9 | 1 | 5.6 | 10 |
| λ = 44° 24′ E. | 11-20 | 12.1 | 12.7 | 11.1 | 13.5 | 11.1 | 15.7 | 20.9 | 14.1 | 22.2 | 9.9 | 24.4 | 18 | 17.1 | 16 | 11.9 | 17 | 6.4 | 13 |
| Hs. = 222.6 m. Hb. = 228.5 m. | 21-30 | 14.9 | 14.9 | 12.0 | 14.4 | 12.0 | 18.1 | 25.6 | 17.1 | 26.3 | 10.4 | 23.2 | 30 | 23.4 | 26 | 13.0 | 25 | 8.0 | 23 |
| ha = 13.2 m. | MONTH | 12.0 | 12.6 | 10.8 | 12.3 | 11.4 | 15.7 | 20.9 | 14.7 | 22.0 | 10.1 | 23.2 | 30 | 13.8 | 8 | 14.9 | 1 | 5.6 | 10 |
| **Kirkuk** كركوك | | | | | | | | | | | | | | | | | | | |
| Q = 35° 78′ N. | 1-10 | 08.7 | 8.9 | 8.0 | 8.3 | 12.5 | 14.5 | 15.3 | 13.5 | 18.3 | 12.9 | 21.3 | 1 | 14.9 | 8 | 16.9 | 1 | 7.7 | 10 |
| λ = 44° 24′ E. | 11-20 | 10.9 | 10.9 | 9.8 | 12.1 | 12.7 | 17.4 | 21.3 | 15.3 | 22.7 | 11.4 | 25.5 | 19 | 18.7 | 16 | 13.2 | 17 | 9.4 | 13 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21-30 | 12.7 | 13.1 | 11.5 | 13.0 | 15.5 | 20.8 | 23.5 | 19.5 | 27.2 | 14.3 | 28.1 | 30 | 23.2 | 26 | 20.0 | 25 | 10.3 | 27 |
| ha = 8.2 m. | MONTH | 10.8 | 11.0 | 9.8 | 11.2 | 13.6 | 17.6 | 21.0 | 16.0 | 22.7 | 12.9 | 24.1 | 30 | 14.9 | 8 | 20.0 | 25 | 7.7 | 10 |
| **Khanaqin** خانقين | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18 N. | 1-10 | ... | 9.0 | 7.9 | 9.3 | ... | 16.9 | 20.2 | 16.0 | 21.5 | 12.2 | 28.9 | 1 | 15.5 | 6 | 17.2 | 1,2 | 8.9 | 9,10 |
| λ = 45° 26 E. | 11-20 | ... | 11.4 | 11.1 | 11.9 | ... | 20.1 | 24.4 | 18.9 | 25.2 | 12.5 | 28.9 | 17 | 20.1 | 11 | 16.1 | 18 | 10.0 | 12,16 |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21-30 | ... | 12.5 | 10.9 | 13.1 | ... | 23.7 | 28.5 | 22.4 | 29.5 | 15.2 | 32.8 | 25 | 26.6 | 21 | 23.5 | 25 | 11.1 | 29 |
| ha = 6.1 m. | MONTH | ... | 11.2 | 10.8 | 11.4 | ... | 20.1 | 24.8 | 19.1 | 25.4 | 13.3 | 32.8 | 25 | 15.5 | 6 | 20.5 | 25 | 8.9 | 9,10 |
| **Baghdad** بغداد | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20′ N. | 1-10 | 08.4 | 9.4 | 7.3 | 8.5 | 15.7 | 17.4 | 21.0 | 18.0 | 22.9 | 13.5 | 24.6 | 5 | 20.5 | 6 | 19.7 | 1 | 9.5 | 7 |
| λ = 44° 24′ E. | 11-20 | 10.2 | 11.5 | 10.7 | 11.6 | 17.4 | 20.6 | 25.8 | 21.4 | 26.8 | 14.6 | 29.6 | 18 | 22.1 | 11 | 19.1 | 18 | 10.6 | 12 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21-30 | 12.4 | 13.5 | 12.1 | 12.7 | 19.7 | 22.9 | 29.0 | 23.6 | 29.8 | 17.0 | 32.5 | 30 | 26.0 | 27 | 24.4 | 25 | 13.1 | 30 |
| ha = 17.7 m. | MONTH | 10.3 | 11.6 | 10.2 | 10.9 | 17.6 | 20.3 | 25.3 | 21.0 | 26.5 | 15.0 | 32.5 | 30 | 20.5 | 6 | 24.4 | 25 | 9.5 | 7 |
| **Habbaniyah** حبانية | | | | | | | | | | | | | | | | | | | |
| Q = 33° 22′ N. | 1-10 | 07.9 | 08.8 | 06.9 | 07.7 | 15.3 | 17.6 | 22.5 | 17.9 | 23.2 | 14.0 | 28.5 | 1 | 20.5 | 6 | 20.3 | 1 | 11.1 | 7 |
| λ = 44° 21′ E. | 11-20 | 10.2 | 11.6 | 10.1 | 11.1 | 16.8 | 20.6 | 27.1 | 20.9 | 27.8 | 15.1 | 31.6 | 17 | 22.8 | 11 | 18.3 | 17,18 | 11.1 | 15 |
| Hs. = 43.6 m. Hb. = 44.5 m. | 21-30 | 12.2 | 13.4 | 11.4 | 12.6 | 19.0 | 23.0 | 30.0 | 23.3 | 30.9 | 16.8 | 33.9 | 25 | 27.2 | 26 | 24.4 | 25 | 13.9 | 27,28,30 |
| ha = 14.9 m. | MONTH | 10.1 | 11.3 | 09.5 | 10.5 | 17.0 | 20.4 | 26.5 | 20.6 | 27.3 | 15.2 | 33.9 | 25 | 20.5 | 6 | 24.4 | 25 | 11.1 | 7,15 |
| **Rutba** رطبة | | | | | | | | | | | | | | | | | | | |
| Q = 33° 02 N. | 1-10 | 09.9 | 9.7 | 6.3 | 8.4 | 9.9 | 12.5 | 19.3 | 14.1 | 20.4 | 8.3 | 26.3 | 10 | 17.5 | 2 | 11.3 | 1 | 6.2 | 7 |
| λ = 40° 17 E. | 11-20 | 13.3 | 13.5 | 9.5 | 12.3 | 11.2 | 15.5 | 23.2 | 15.6 | 24.4 | 10.3 | 29.4 | 16 | 20.2 | 14 | 12.8 | 18 | 6.9 | 12 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21-30 | 14.9 | 15.4 | 11.9 | 13.0 | 14.1 | 18.3 | 25.9 | 20.7 | 27.4 | 11.9 | 34.6 | 22 | 23.4 | 26 | 18.9 | 25 | 11.0 | 21 |
| ha = 16.1 m. | MONTH | 12.7 | 12.9 | 9.2 | 11.2 | 12.2 | 15.4 | 22.8 | 16.8 | 24.0 | 10.0 | 34.6 | 22 | 17.5 | 2 | 18.9 | 25 | 6.2 | 7 |
| **Kut Al-Hai** كوت الحي | | | | | | | | | | | | | | | | | | | |
| Q = 32° 10 N. | 1-10 | ... | 9.6 | 8.0 | 8.8 | ... | 18.6 | 23.6 | 18.0 | 24.8 | 13.8 | 28.7 | 5 | 19.8 | 6 | 17.0 | 2 | 11.0 | 7 |
| λ = 46° 03 E. | 11-20 | ... | 11.3 | 10.0 | 10.6 | ... | 22.4 | 27.3 | 20.7 | 27.9 | 15.8 | 31.7 | 18 | 23.6 | 11 | 18.5 | 11 | 13.2 | 12 |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21-30 | ... | 12.4 | 10.9 | 11.7 | ... | 24.3 | 30.2 | 24.1 | 30.9 | 18.5 | 34.0 | 24 | 26.5 | 29 | 22.9 | 26 | 15.5 | 30 |
| ha = 7.9 m. | MONTH | ... | 11.2 | 9.6 | 10.5 | ... | 21.8 | 27.0 | 20.9 | 27.9 | 16.1 | 34.0 | 24 | 19.8 | 6 | 22.9 | 26 | 11.0 | 7 |
| **Diwaniya** ديوانية | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59 N. | 1-10 | 07.7 | 08.7 | 06.4 | 07.0 | 15.4 | 19.7 | 24.6 | 18.6 | 25.6 | 13.8 | 29.0 | 10 | 21.8 | 6 | 18.3 | 1 | 10.8 | 7 |
| λ = 44° 59 E. | 11-20 | 08.9 | 11.1 | 09.3 | 10.5 | 17.0 | 22.8 | 28.2 | 21.3 | 29.0 | 15.3 | 32.5 | 18,19 | 23.4 | 11 | 18.4 | 17 | 11.3 | 12 |
| Hs. = 20.4 m. Hb. = 21.0 m | 21-30 | 10.8 | 12.3 | 10.1 | 11.5 | 19.3 | 21.9 | 31.4 | 24.0 | 32.2 | 18.1 | 37.3 | 24 | 26.6 | 27 | 23.7 | 25 | 14.6 | 30 |
| ha = 5.8 m | MONTH | 09.1 | 10.6 | 08.7 | 09.7 | 17.2 | 22.5 | 28.1 | 21.3 | 28.9 | 15.8 | 37.3 | 24 | 21.8 | 6 | 23.7 | 25 | 10.8 | 7 |
| **Nasiriya** ناصرية | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01 N. | 1-10 | 07.8 | 08.4 | 07.4 | 08.4 | 17.9 | 21.0 | 25.3 | 20.2 | 27.2 | 15.7 | 29.7 | 8 | 23.6 | 6 | 19.3 | 2 | 12.4 | 7 |
| λ = 46° 14 E. | 11-20 | 08.8 | 11.3 | 09.6 | 10.4 | 18.9 | 24.0 | 28.7 | 22.6 | 29.9 | 16.6 | 34.0 | 18 | 26.2 | 11 | 23.1 | 11 | 13.2 | 15 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21-30 | 10.8 | 12.2 | 10.3 | 11.4 | 21.3 | 25.7 | 30.6 | 26.1 | 32.7 | 20.7 | 37.5 | 23 | 27.7 | 29 | 24.0 | 24 | 15.2 | 29 |
| ha = 8.8 m. | MONTH | 09.1 | 11.7 | 09.1 | 10.1 | 19.7 | 23.8 | 28.2 | 23.0 | 29.9 | 17.6 | 37.5 | 23 | 23.6 | 6 | 24.0 | 24 | 12.4 | 7 |
| **Basrah** بصره | | | | | | | | | | | | | | | | | | | |
| Q = 30° 34 N. | 1-10 | 08.4 | 09.5 | 08.0 | 08.8 | 17.6 | 21.5 | 25.0 | 20.0 | 27.0 | 16.1 | 32.1 | 2 | 23.8 | 7 | 19.4 | 2 | 13.0 | 4 |
| λ = 47° 47 E. | 11-20 | 08.6 | 10.6 | 09.4 | 10.2 | 20.5 | 23.9 | 28.4 | 23.8 | 29.2 | 18.3 | 33.8 | 14 | 25.0 | 12 | 22.3 | 20 | 15.7 | 13 |
| Hs. = 2.4 m. Hb. = 13.7 m | 21-30 | 10.3 | 11.7 | 10.1 | 10.8 | 21.1 | 27.5 | 32.1 | 23.5 | 34.0 | 22.4 | 43.8 | 25 | 29.4 | 22 | 25.0 | 24 | 19.4 | 22 |
| ha = 23.5 m. | MONTH | 09.1 | 10.6 | 09.2 | 09.9 | 20.7 | 24.8 | 28.5 | 23.4 | 30.0 | 19.1 | 43.8 | 25 | 23.8 | 7 | 25.0 | 24 | 13.0 | 4 |

# شهر نيسان ١٩٥٤

| درجة الندى (م°) Dew Point (°C) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأثمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأثمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | هطول المطر بالمليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | أكثر كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in 24(hrs) | التاريخ Date |
| 10.0 | 11.1 | 10.9 | 10.3 | 93 | 87 | 72 | 86 | 12.4 | 13.4 | 13.2 | 12.7 | 4.8 | 5.3 | 4.8 | 2.4 | 5.7 | 7.4 | 7.4 | 5.1 | 87.5 | 28.2 | 2 |
| 9.8 | 12.2 | 12.0 | 12.0 | 93 | 79 | 58 | 87 | 12.2 | 14.3 | 14.2 | 14.1 | 2.1 | 2.7 | 4.7 | 2.7 | 3.4 | 5.8 | 5.9 | 3.4 | 40.4 | 16.9 | 13 |
| 9.0 | 12.0 | 10.8 | 11.9 | 84 | 68 | 41 | 72 | 11.7 | 14.1 | 13.5 | 14.2 | 1.9 | 1.6 | 1.4 | 0.8 | 3.5 | 4.2 | 4.9 | 1.7 | 0.7 | 0.7 | 25 |
| 9.6 | 11.8 | 11.2 | 11.4 | 90 | 78 | 57 | 82 | 12.1 | 14.9 | 13.6 | 13.6 | 2.9 | 3.2 | 3.4 | 2.0 | 4.2 | 5.1 | 6.1 | 3.3 | 128.6 | 28.2 | 2 |
| 9.4 | 10.3 | 11.1 | 10.2 | 83 | 76 | 78 | 83 | 12.0 | 12.6 | 13.3 | 12.0 | 3.2 | 3.5 | 4.7 | 2.9 | 5.7 | 7.0 | 7.6 | 4.9 | 80.7 | 39.0 | 2 |
| 10.3 | 11.5 | 10.6 | 11.4 | 85 | 69 | 53 | 77 | 12.6 | 13.7 | 13.0 | 13.9 | 1.0 | 1.9 | 3.0 | 1.8 | 2.4 | 2.5 | 4.8 | 2.9 | 21.0 | 11.7 | 11 |
| 8.3 | 10.3 | 8.4 | 9.5 | 63 | 52 | 33 | 55 | 11.2 | 12.7 | 11.3 | 12.0 | 1.5 | 1.9 | 1.8 | 1.1 | 4.5 | 6.5 | 5.7 | 4.3 | 11.2 | 10.4 | 25 |
| 9.3 | 10.7 | 10.0 | 10.4 | 77 | 66 | 54 | 72 | 11.9 | 13.0 | 12.5 | 12.8 | 1.9 | 2.4 | 3.2 | 1.9 | 4.2 | 5.3 | 6.0 | 4.0 | 112.9 | 39.0 | 2 |
| ... | 9.8 | 10.4 | 10.4 | ... | 66 | 56 | 72 | ... | 12.3 | 12.7 | 12.9 | ... | 5.0 | 5.6 | 5.7 | ... | 6.8 | 7.3 | 6.9 | 47.5 | 11.2 | 4 |
| ... | 9.8 | 7.7 | 9.2 | ... | 53 | 63 | 55 | ... | 12.2 | 10.7 | 11.7 | ... | 1.0 | 3.4 | 2.0 | ... | 2.7 | 5.6 | 2.9 | 0.4 | 0.4 | 4 |
| ... | 7.7 | 6.9 | 9.4 | ... | 40 | 28 | 45 | ... | 10.8 | 10.7 | 12.1 | ... | 2.8 | 4.1 | 3.0 | ... | 6.2 | 6.4 | 4.2 | 2.8 | 11.2 | 25 |
| ... | 9.1 | 8.3 | 9.7 | ... | 53 | 40 | 57 | ... | 11.8 | 11.4 | 12.2 | ... | 2.9 | 4.3 | 3.7 | ... | 5.2 | 6.2 | 4.6 | 50.7 | 11.2 | 4.25 |
| 11.6 | 13.3 | 11.5 | 11.7 | 78 | 77 | 56 | 67 | 13.9 | 15.9 | 13.8 | 13.8 | 1.3 | 2.4 | 4.0 | 3.4 | 3.9 | 5.5 | 6.4 | 4.9 | 20.6 | 9.0 | 1 |
| 11.3 | 11.0 | 8.6 | 10.6 | 67 | 53 | 34 | 51 | 13.5 | 13.5 | 11.3 | 12.8 | 1.3 | 0.1 | 2.2 | 1.0 | 2.7 | 1.7 | 4.2 | 2.6 | 0.4 | 0.4 | 14 |
| 9.4 | 10.5 | 7.9 | 10.3 | 52 | 47 | 27 | 43 | 12.0 | 12.9 | 10.8 | 12.2 | 1.0 | 1.6 | 1.0 | 0.8 | 2.8 | 5.8 | 5.6 | 2.9 | 0.6 | 0.4 | 27 |
| 10.8 | 11.6 | 9.3 | 10.8 | 66 | 59 | 39 | 54 | 13.1 | 13.9 | 12.0 | 13.0 | 1.3 | 1.3 | 2.4 | 1.7 | 3.1 | 4.3 | 5.3 | 3.5 | 21.6 | 9.0 | 1 |
| 12.0 | 12.6 | 11.2 | 12.4 | 82 | 74 | 49 | 70 | 14.1 | 14.6 | 13.4 | 14.4 | 0.5 | 2.4 | 2.5 | 2.0 | 3.1 | 6.2 | 5.2 | 4.3 | 38.7 | 20.0 | 2 |
| 11.2 | 12.6 | 9.2 | 12.1 | 71 | 60 | 33 | 56 | 13.4 | 14.6 | 11.8 | 13.7 | 0.5 | 1.1 | 1.5 | 1.3 | 1.9 | 2.4 | 3.2 | 3.3 | TR | TR | 16 |
| 10.3 | 10.4 | 12.0 | 11.0 | 58 | 46 | 24 | 46 | 12.5 | 12.6 | 14.1 | 13.1 | 1.7 | 1.0 | 0.9 | 0.5 | 4.6 | 5.0 | 4.7 | 2.5 | 4.6 | 2.7 | 27 |
| 11.2 | 11.9 | 10.8 | 11.8 | 70 | 60 | 35 | 57 | 13.3 | 13.9 | 11.8 | 13.7 | 0.9 | 1.5 | 1.6 | 1.3 | 3.2 | 4.5 | 4.4 | 3.4 | 43.3 | 20.0 | 2 |
| 5.9 | 5.8 | 1.6 | 5.7 | 77 | 65 | 33 | 57 | 9.5 | 9.5 | 7.2 | 9.2 | 3.3 | 2.7 | 3.5 | 3.0 | 3.7 | 5.5 | 4.9 | 3.6 | 19.0 | 16.6 | 1 |
| 5.5 | 4.8 | —2.0 | 4.0 | 65 | 50 | 22 | 38 | 9.3 | 8.7 | 5.8 | 7.5 | 1.5 | 1.3 | 3.3 | 0.8 | 3.3 | 2.5 | 4.1 | 2.2 | 1.0 | 1.0 | 16 |
| —0.5 | 0.0 | —0.2 | —0.9 | 39 | 31 | 19 | 26 | 6.2 | 6.3 | 6.1 | 6.1 | 1.7 | 1.1 | 1.8 | 1.6 | 3.3 | 3.8 | 4.3 | 3.4 | TR | TR | 24,25,30 |
| 3.6 | 3.5 | —0.2 | 2.9 | 60 | 49 | 25 | 40 | 8.3 | 8.2 | 6.4 | 7.6 | 2.3 | 1.7 | 2.9 | 1.8 | 3.4 | 3.9 | 4.4 | 3.1 | 20.0 | 16.6 | 1 |
| ... | 14.3 | 12.2 | 13.6 | ... | 77 | 50 | 76 | ... | 16.5 | 14.4 | 15.7 | ... | 2.7 | 3.0 | 2.5 | ... | 4.3 | 4.3 | 3.6 | 20.1 | 15.8 | 5 |
| ... | 13.0 | 11.0 | 12.9 | ... | 65 | 37 | 62 | ... | 15.1 | 13.7 | 16.0 | ... | 0.9 | 1.6 | 0.4 | ... | 2.6 | 3.7 | 2.4 | 2.4 | 2.4 | 14 |
| ... | 12.5 | 11.2 | 12.3 | ... | 46 | 33 | 49 | ... | 14.6 | 14.0 | 14.7 | ... | 1.6 | 1.5 | 2.2 | ... | 5.4 | 5.5 | 2.8 | TR | TR | 25,27 |
| ... | 13.2 | 11.5 | 12.9 | ... | 60 | 40 | 62 | ... | 15.4 | 13.9 | 15.2 | ... | 1.7 | 2.0 | 1.7 | ... | 4.1 | 4.5 | 2.9 | 22.5 | 15.3 | 5 |
| 13.0 | 13.8 | 11.2 | 12.6 | 81 | 69 | 44 | 63 | 14.2 | 15.8 | 13.6 | 14.7 | 1.6 | 2.1 | 2.0 | 2.5 | 2.2 | 4.1 | 4.5 | 3.2 | 15.9 | 6.5 | 2 |
| 11.1 | 12.2 | 10.1 | 10.5 | 69 | 52 | 33 | 51 | 13.4 | 14.3 | 12.5 | 12.9 | 1.5 | 0.5 | 1.3 | 0.1 | 2.7 | 1.3 | 4.4 | 1.1 | TR | TR | 14 |
| 10.9 | 12.1 | 11.0 | 11.4 | 59 | 46 | 30 | 46 | 13.2 | 14.4 | 13.6 | 13.7 | 3.3 | 1.4 | 1.1 | 1.3 | 3.8 | 5.0 | 4.8 | 3.3 | 0.7 | 0.7 | 27 |
| 11.4 | 12.6 | 10.8 | 11.5 | 70 | 56 | 36 | 55 | 13.6 | 14.8 | 13.2 | 13.8 | 2.1 | 1.3 | 1.6 | 1.3 | 2.9 | 3.5 | 4.6 | 2.5 | 17.0 | 6.5 | 2 |
| 11.6 | 12.9 | 9.7 | 13.1 | 68 | 62 | 38 | 65 | 13.9 | 15.7 | 12.3 | 15.2 | 1.7 | 2.1 | 5.3 | 3.1 | 2.4 | 3.9 | 6.1 | 3.8 | 4.8 | 2.0 | 9 |
| 12.3 | 10.9 | 8.8 | 13.2 | 67 | 45 | 30 | 56 | 14.4 | 13.3 | 11.6 | 15.4 | 1.4 | 0.0 | 1.6 | 0.9 | 4.3 | 2.1 | 4.6 | 3.3 | 0.1 | 0.1 | 18 |
| 12.5 | 12.0 | 13.6 | 15.2 | 55 | 41 | 38 | 46 | 14.9 | 14.3 | 16.3 | 17.6 | 2.0 | 0.4 | 0.8 | 2.7 | 3.3 | 4.4 | 5.0 | 4.6 | 0.1 | 0.1 | 27 |
| 12.1 | 11.9 | 10.8 | 13.8 | 64 | 49 | 35 | 56 | 14.4 | 14.4 | 13.4 | 16.1 | 1.7 | 0.8 | 2.6 | 2.2 | 3.3 | 3.5 | 5.2 | 3.9 | 5.0 | 2.0 | 9 |
| 15.5 | 16.3 | 14.8 | 15.1 | 83 | 73 | 56 | 75 | 17.3 | 18.7 | 17.2 | 17.3 | 0.3 | 0.6 | 3.1 | 1.1 | 2.8 | 4.4 | 4.7 | 3.9 | 10.6 | 4.7 | 3 |
| 15.0 | 16.1 | 14.1 | 14.1 | 71 | 62 | 42 | 56 | 17.2 | 18.3 | 16.3 | 16.4 | 0.2 | 2.2 | 0.0 | 0.0 | 2.6 | 4.3 | 2.6 | 1.4 | 0.1 | 0.1 | 13 |
| 16.3 | 17.3 | 18.3 | 18.2 | 64 | 55 | 45 | 62 | 18.8 | 19.9 | 21.3 | 21.1 | 0.0 | 0.1 | 0.0 | 0.0 | 2.4 | 3.7 | 4.3 | 2.3 | 0.0 | 0.0 | — |
| 15.6 | 16.5 | 16.7 | 15.8 | 74 | 63 | 48 | 64 | 17.9 | 18.9 | 18.3 | 18.3 | 0.2 | 1.0 | 1.0 | 0.4 | 2.6 | 4.3 | 3.9 | 2.7 | 10.7 | 4.7 | 3 |

# MONTH APRIL 1954

| المحطة STATION | المدة Period | Numbers of Days. عدد الايام: مطر Rain | ثلج Snow | برد Hail. | عاصفة رعدية Thunderstorms. | ضباب Fog. | زوبعة غبار Duststorm | الجو صحو Clear. | الجو غائم Cloudy. | مطول المطر بالمليمترات Rainfall (mms.) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observations. 0000 (G.M.T.): شمالي N. | شمال شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S | جنوبي غربي SW. | غربي W. | شمال غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 36° 19' N. | 1—10 | 10 | 0 | 0 | 4 | 1 | 0 | 0 | 5 | 10 | 2 | 3 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 4 |
| X = 43° 09' E. | 11—20 | 5 | 0 | 0 | 3 | 0 | 0 | 2 | 1 | 5 | 2 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 4 |
| Hs. = 222.6 m. Hb. = 223.5 m. | 21—30 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | (3)— 3 |
| ha = 13.1 m. | MONTH | 16 | 0 | 0 | 7 | 1 | 0 | 3 | 7 | 15 | 4 | 6 | 0 | 2 | 4 | 4 | 0 | 0 | 0 | 2 | 1 | 17 | 4 |
| **Kirkuk** كركوك | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28' N. | 1—10 | 10 | 0 | 0 | 6 | 0 | 0 | 0 | 5 | 8 | 2 | 0 | 0 | 0 | 2 | 2 | 4 | 1 | 1 | 0 | 0 | 0 | 7 |
| X = 44° 21' E. | 11—20 | 6 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 5 | 1 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21—30 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 1 | 0 | 4 | 2 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 11 |
| ha = 8.2 m. | MONTH | 18 | 0 | 0 | 8 | 0 | 0 | 3 | 8 | 14 | 4 | 1 | 0 | 6 | 10 | 2 | 6 | 2 | 1 | 0 | 1 | 2 | 7 |
| **Khanaqin** خانقين | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18' N. | 1—10 | 8 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 8 | 2 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| X = 45 26 E. | 11—20 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21—30 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 1 | 0 | 2 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 12 | 0 | 0 | 2 | 0 | 1 | 3 | 11 | 9 | 2 | 3 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| **Baghdad** بغداد | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20' N. | 1—10 | 6 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 1 | 2 | 0 | 0 | 0 | 10 |
| X = 44 24 E. | 11—20 | 1 | 0 | 1 | 0 | 0 | 1 | 4 | 1 | 0 | 0 | 0 | 0 | 5 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 0 | 9 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21—30 | 2 | 0 | 0 | 1 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 0 | 3 | 2 | 2 | 0 | 2 | 0 | 0 | 2 | 0 | 11 |
| ha = 17.7 m. | MONTH | 9 | 0 | 1 | 4 | 0 | 3 | 5 | 4 | 5 | 0 | 1 | 0 | 8 | 3 | 7 | 3 | 3 | 2 | 2 | 2 | 0 | 10 |
| **Habbaniya** حبانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 21' N. | 1—10 | 5 | 0 | 0 | 3 | 2 | 2 | 0 | 1 | 4 | 2 | 1 | 0 | 0 | 0 | 4 | 0 | 1 | 1 | 0 | 1 | 2 | 5 |
| X = 43 34 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 5 | 4 |
| Hs. = 34.6 m. Hb. = 44.5 m. | 21—30 | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 2 | 1 | 0 | 0 | 2 | 3 | 7 |
| ha = 14.9 m. | MONTH | 7 | 0 | 0 | 5 | 2 | 4 | 2 | 3 | 6 | 2 | 3 | 0 | 2 | 2 | 4 | 3 | 3 | 1 | 1 | 4 | 10 | 5 |
| **Rutba** رطبة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 02' N. | 1—10 | 3 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 2 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 3 | 1 | 4 | 0 | 1 | 9 |
| X = 40 17 E. | 11—20 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 3 | 2 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 8 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21—30 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 0 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 3 | 0 | 8 |
| ha = 16.1 m. | MONTH | 4 | 0 | 1 | 2 | 0 | 1 | 5 | 3 | 3 | 1 | 7 | 3 | 3 | 1 | 3 | 3 | 4 | 1 | 6 | 4 | 4 | 8 |
| **Kut Al-Hai** كوت الحي | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 32° 10' N. | 1—10 | 6 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | ... | ... | — | ... | ... | ... | ... | ... | ... | ... |
| X = 46 08' E. | 11—20 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | — |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | — |
| ha = 7.9 m. | MONTH | 7 | 0 | 0 | 4 | 0 | 1 | 3 | 3 | 4 | 1 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| **Diwaniya** الديوانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59' N. | 1—10 | 3 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 3 | 0 | 2 | 0 | 1 | 0 | 5 | 1 | 1 | 0 | 0 | 1 | 1 | 7 |
| N = 44 59 E. | 11—20 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 1 | 4 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 7 |
| Hs. = 20.4 m. Hb. = 21.0 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 4 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 10 |
| ha = 5.8 m. | MONTH | 4 | 0 | 0 | 1 | 1 | 4 | 4 | 2 | 3 | 0 | 6 | 1 | 9 | 2 | 9 | 1 | 1 | 0 | 2 | 1 | 5 | 8 |
| **Nasiriya** ناصرية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01' N. | 1—10 | 4 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 8 |
| X = 46 14 E. | 11—20 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 2 | 0 | 0 | 2 | 0 | 1 | 7 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 1 | 1 | 0 | 1 | 0 | 2 | 0 | 1 | 10 |
| ha = 8.8 m. | MONTH | 4 | 0 | 0 | 4 | 0 | 2 | 2 | 3 | 2 | 0 | 2 | 0 | 7 | 3 | 5 | 6 | 3 | 0 | 4 | 0 | 2 | 8 |
| **Basra** بصرة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 30° 31' N. | 1—10 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 2 | 1 | 1 | 0 | 2 | 3 | 2 | 0 | 0 | 0 | 2 | 3 |
| X = 47 47 E. | 11—20 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 3 | 4 |
| Hs. = 2.4 m. Hb = 13.7 m. | 21—30 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 9 |
| ha = 23.5 m. | MONTH | 6 | 0 | 0 | 4 | 1 | 3 | 4 | 1 | 3 | 0 | 3 | 1 | 9 | 2 | 4 | 4 | 3 | 2 | 0 | 1 | 5 | 5 |

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

0600 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 2 | 4 | 1 | 0 | 0 | 0 | 1 | 2 | 7 |
| 0 | 1 | 3 | 0 | 0 | 0 | 1 | 2 | 3 | 7 |
| 1 | 0 | 1 | 1 | 0 | 0 | 3 | 2 | 2 | 6 |
| 1 | 3 | 3 | 2 | 0 | 0 | 4 | 5 | 7 | 7 |
| 0 | 1 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 9 |
| 0 | 2 | 1 | 3 | 1 | 1 | 0 | 1 | 1 | 4 |
| 1 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 6 |
| 1 | 7 | 4 | 9 | 3 | 1 | 1 | 1 | 3 | 6 |
| 0 | 0 | 3 | 2 | 2 | 0 | 0 | 0 | 3 | 5 |
| 1 | 0 | 1 | 0 | 3 | 1 | 0 | 0 | 4 | 4 |
| 1 | 0 | 3 | 1 | 1 | 0 | 0 | 1 | 3 | 8 |
| 2 | 0 | 7 | 3 | 6 | 1 | 0 | 1 | 10 | 6 |
| 0 | 1 | 3 | 1 | 3 | 0 | 1 | 1 | 0 | 9 |
| 1 | 1 | 2 | 0 | 2 | 0 | 2 | 2 | 0 | 12 |
| 3 | 1 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 13 |
| 4 | 3 | 6 | 2 | 6 | 0 | 4 | 5 | 0 | 11 |
| 0 | 0 | 0 | 3 | 2 | 1 | 0 | 3 | 1 | 9 |
| 2 | 1 | 1 | 0 | 1 | 0 | 1 | 3 | 1 | 9 |
| 2 | 1 | 0 | 1 | 1 | 0 | 1 | 3 | 1 | 8 |
| 4 | 2 | 1 | 4 | 4 | 1 | 2 | 9 | 3 | 9 |
| 0 | 0 | 2 | 1 | 1 | 1 | 4 | 1 | 0 | 13 |
| 1 | 0 | 2 | 1 | 1 | 1 | 4 | 0 | 0 | 13 |
| 3 | 1 | 0 | 0 | 1 | 0 | 3 | 1 | 1 | 11 |
| 4 | 1 | 4 | 2 | 3 | 2 | 11 | 2 | 1 | 12 |
| 1 | 1 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 10 |
| 1 | 1 | 0 | 0 | 1 | 2 | 3 | 2 | 0 | 6 |
| 1 | 0 | 3 | 0 | 0 | 0 | 6 | 0 | 0 | 8 |
| 3 | 2 | 10 | 0 | 2 | 2 | 9 | 2 | 0 | 8 |
| 1 | 0 | 4 | 1 | 1 | 1 | 2 | 0 | 0 | 11 |
| 3 | 1 | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 8 |
| 4 | 0 | 0 | 2 | 1 | 0 | 2 | 1 | 0 | 9 |
| 8 | 1 | 4 | 4 | 3 | 3 | 6 | 1 | 0 | 9 |
| 2 | 0 | 1 | 2 | 4 | 0 | 1 | 0 | 0 | 9 |
| 2 | 1 | 0 | 1 | 1 | 0 | 5 | 0 | 0 | 8 |
| 4 | 0 | 0 | 3 | 1 | 1 | 1 | 0 | 0 | 9 |
| 6 | 1 | 1 | 6 | 6 | 1 | 7 | 0 | 0 | 9 |
| 1 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 3 | 6 |
| 4 | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 1 | 5 |
| 0 | 0 | 1 | 1 | 2 | 0 | 2 | 4 | 0 | 10 |
| 5 | 0 | 2 | 3 | 6 | 0 | 5 | 5 | 4 | 7 |

1200 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 17 |
| 0 | 1 | 0 | 0 | 3 | 1 | 2 | 1 | 2 | 8 |
| 2 | 1 | 1 | 2 | 0 | 0 | 4 | 0 | 0 | 7 |
| 3 | 5 | 5 | 2 | 5 | 1 | 6 | 1 | 2 | 11 |
| 1 | 1 | 1 | 3 | 2 | 2 | 0 | 0 | 0 | 8 |
| 1 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 1 | 9 |
| 1 | 1 | 1 | 1 | 0 | 0 | 2 | 3 | 1 | 8 |
| 3 | 2 | 2 | 4 | 2 | 5 | 4 | 6 | 2 | 8 |
| 0 | 0 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 11 |
| 3 | 0 | 1 | 0 | 1 | 0 | 3 | 2 | 0 | 11 |
| 1 | 0 | 0 | 0 | 2 | 0 | 5 | 2 | 0 | 11 |
| 4 | 0 | 2 | 2 | 4 | 2 | 10 | 5 | 1 | 11 |
| 0 | 2 | 2 | 1 | 1 | 0 | 1 | 3 | 0 | 11 |
| 1 | 3 | 1 | 2 | 0 | 0 | 1 | 2 | 0 | 12 |
| 5 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 12 |
| 6 | 5 | 3 | 5 | 2 | 0 | 2 | 7 | 0 | 12 |
| 1 | 1 | 1 | 1 | 2 | 2 | 0 | 2 | 0 | 9 |
| 2 | 1 | 1 | 0 | 3 | 1 | 0 | 2 | 0 | 11 |
| 3 | 1 | 1 | 0 | 2 | 1 | 0 | 1 | 1 | 10 |
| 6 | 3 | 3 | 1 | 7 | 4 | 0 | 5 | 1 | 10 |
| 0 | 1 | 1 | 0 | 0 | 3 | 4 | 1 | 0 | 13 |
| 0 | 0 | 0 | 1 | 1 | 0 | 5 | 1 | 2 | 11 |
| 1 | 2 | 1 | 0 | 1 | 1 | 2 | 0 | 2 | 8 |
| 1 | 3 | 2 | 1 | 2 | 4 | 11 | 2 | 4 | 11 |
| 0 | 1 | 3 | 1 | 0 | 0 | 4 | 1 | 0 | 10 |
| 2 | 0 | 2 | 1 | 1 | 0 | 2 | 2 | 0 | 9 |
| 1 | 1 | 2 | 0 | 1 | 0 | 5 | 0 | 0 | 9 |
| 3 | 2 | 7 | 2 | 2 | 0 | 11 | 3 | 0 | 9 |
| 1 | 0 | 2 | 1 | 1 | 0 | 3 | 1 | 1 | 10 |
| 2 | 1 | 0 | 0 | 2 | 1 | 2 | 1 | 1 | 9 |
| 3 | 2 | 0 | 0 | 1 | 0 | 3 | 0 | 1 | 9 |
| 6 | 3 | 2 | 1 | 4 | 1 | 8 | 2 | 3 | 9 |
| 0 | 0 | 2 | 2 | 1 | 0 | 2 | 3 | 0 | 15 |
| 2 | 0 | 3 | 1 | 0 | 0 | 0 | 4 | 0 | 11 |
| 2 | 0 | 1 | 2 | 0 | 0 | 0 | 5 | 0 | 11 |
| 4 | 0 | 6 | 5 | 1 | 0 | 2 | 12 | 0 | 12 |
| 4 | 0 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 6 |
| 1 | 0 | 1 | 1 | 0 | 0 | 1 | 6 | 0 | 9 |
| 0 | 0 | 0 | 4 | 0 | 0 | 0 | 6 | 0 | 11 |
| 5 | 0 | 3 | 6 | 0 | 0 | 1 | 13 | 0 | 9 |

1800 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 8 |
| 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 7 | 3 |
| 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 3 |
| 0 | 5 | 5 | 0 | 0 | 1 | 2 | 0 | 17 | 5 |
| 0 | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 6 |
| 5 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 5 |
| 3 | 5 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 8 |
| 8 | 7 | 6 | 5 | 1 | 0 | 0 | 1 | 2 | 6 |
| 2 | 0 | 2 | 0 | 5 | 0 | 0 | 0 | 1 | 5 |
| 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 7 | 3 |
| 2 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 3 | 4 |
| 5 | 0 | 4 | 2 | 5 | 1 | 1 | 1 | 11 | 4 |
| 1 | 0 | 6 | 0 | 3 | 0 | 1 | 0 | 0 | 10 |
| 1 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 8 |
| 4 | 1 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 10 |
| 6 | 5 | 12 | 1 | 3 | 2 | 1 | 0 | 0 | 9 |
| 0 | 1 | 3 | 2 | 2 | 0 | 0 | 1 | 1 | 7 |
| 2 | 1 | 3 | 1 | 1 | 0 | 0 | 1 | 1 | 6 |
| 2 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 6 |
| 4 | 4 | 6 | 4 | 3 | 0 | 0 | 4 | 5 | 6 |
| 1 | 1 | 0 | 0 | 0 | 2 | 3 | 1 | 2 | 11 |
| 1 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 4 | 8 |
| 2 | 3 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 10 |
| 4 | 4 | 2 | 0 | 1 | 2 | 6 | 4 | 7 | 9 |
| 0 | 3 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 7 |
| 5 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 0 | 4 |
| 1 | 0 | 4 | 0 | 1 | 0 | 2 | 2 | 0 | 6 |
| 6 | 3 | 10 | 2 | 1 | 0 | 3 | 5 | 0 | 6 |
| 2 | 1 | 4 | 1 | 0 | 0 | 1 | 0 | 1 | 11 |
| 5 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| 6 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 10 |
| 13 | 2 | 8 | 3 | 0 | 0 | 2 | 0 | 1 | 8 |
| 1 | 1 | 3 | 3 | 1 | 0 | 0 | 1 | 0 | 10 |
| 3 | 1 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 7 |
| 3 | 1 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 10 |
| 7 | 3 | 8 | 6 | 2 | 0 | 0 | 4 | 0 | 9 |
| 0 | 2 | 3 | 3 | 1 | 0 | 1 | 0 | 0 | 10 |
| 7 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| 2 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 2 | 5 |
| 9 | 3 | 3 | 6 | 3 | 0 | 1 | 3 | 2 | 7 |

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha (متر Meters) | الارتفاع Height Ha (متر Meters) | DISTRIBUTION OF WIND توزيع الريح: أكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | استدامة Duration ساعات hrs. | ٢١ الى ٣٥ عقدة 21–35 Kts. عدد الايام No. of days | DURATION استدامة: ساعات hrs. | ١١–٢٠ عقدة 11–20 Kts. ساعات hrs. | ٤–١٠ عقدة 4–10 Kts. ساعات hrs. | أقل من ٤ عقد < 4 Kts. ساعات hrs. | لا قيد No. Record ساعات hrs. | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind. الاتجاه Veer. From N درجات deg. | السرعة Speed. عقدة Knots | الساعة المنتهي بها Hour endut س h. | ي d. | أعلى عصفة Highest Gust. السرعة Speed. عقدة Knots. | الوقت Time د d. | س h. | ى s. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | ... | 4 | 9 | 271 | 433 | 7 | 0 | 320 | 25 | 25 | 1900 | 46 | 25 | 02 | 15 |

## ADDITIONAL DATA — معلومات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun Shine (hours) | درجة حرارة الارض Temperature of Earth. على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days. الصقيع الارضي Ground from. | النهاية الصغرى أقل من ١- Min < 1- | النهاية العظمى أكثر من ١٨ Max > 18 | عدد مرات كون الغيم أكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More tuan 4/8 and Lower than 300 Meters. |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 180.4 | 6.8 | 17.1 | 16.8 | ... | 0 | 15 | 0 | 4 |
| KIRKUK ... | ... | ... | 16.0 | 15.9 | ... | 0 | 3 | 0 | 1 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 2 | 0 | 0 |
| BAGHDAD ... | 211.7 | 12.9 | 21.7 | 20.7 | ... | 0 | 0 | 0 | 0 |
| HABBANIYA ... | 233.5 | 12.7 | 24.0 | 21.8 | ... | 0 | 0 | 0 | 0 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 16 | 0 | 0 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 |
| DIWANIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 2 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 |
| BASRA ... | 237.6 | 13.1 | ... | ... | 22.3 | 0 | 0 | 2 | 0 |

قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية — 3 Hourly Values of Temp. oC and Relative Himidity %

| المحطة STATION | الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | الحرارة Temperature | 11.4 | 10.9 | 15.7 | 19.9 | 20.9 | 18.7 | 14.7 | 12.6 |
| | الرطوبة Humidity | 90 | 91 | 78 | 64 | 57 | 66 | 82 | 87 |
| KIRKUK ... | الحرارة Temperature | 13.6 | 13.2 | 17.6 | 20.7 | 21.0 | 19.0 | 16.0 | 15.0 |
| | الرطوبة Humidity | 77 | 77 | 66 | 56 | 54 | 61 | 72 | 71 |
| KHANAQIN ... | الحرارة Temperature | ... | 15.2 | 20.1 | ... | 24.3 | 22.4 | 19.1 | ... |
| | الرطوبة Humidity | ... | 69 | 53 | ... | 40 | 47 | 57 | ... |
| BAGHDAD ... | الحرارة Temperature | 17.6 | 16.2 | 20.3 | 24.2 | 25.3 | 23.9 | 21.0 | 18.9 |
| | الرطوبة Humidity | 66 | 72 | 59 | 44 | 39 | 44 | 54 | 63 |
| HABBANIYA ... | الحرارة Temperature | 17.0 | 15.9 | 20.4 | 24.8 | 26.5 | 30.4 | 20.6 | 18.5 |
| | الرطوبة Humidity | 70 | 75 | 60 | 42 | 35 | 41 | 57 | 65 |
| RUTBAH ... | الحرارة Temperature | 12.2 | 10.8 | 15.4 | 23.5 | 22.8 | 21.6 | 16.8 | 14.4 |
| | الرطوبة Humidity | 60 | 63 | 49 | 32 | 25 | 29 | 40 | 50 |
| KUT-AL-HAI ... | الحرارة Temperatue | ... | 17.1 | 21.8 | 26.0 | 27.0 | 24.7 | 23.9 | ... |
| | الرطوبة Humidity | ... | 76 | 60 | 44 | 40 | 48 | 62 | ... |
| DIWANIYA ... | الحرارة Temperature | 17.2 | 16.5 | 22.5 | 26.4 | 28.1 | 25.6 | 21.3 | 19.0 |
| | الرطوبة Humidity | 70 | 73 | 56 | 41 | 36 | 41 | 55 | 65 |
| NASIRIYA ... | الحرارة Temperature | 19.7 | 18.3 | 23.8 | 27.7 | 28.2 | 26.0 | 23.0 | ... |
| | الرطوبة Humidity | 64 | 68 | 49 | 36 | 35 | 43 | 56 | ... |
| BASRA ... | الحرارة Temperature | 20.7 | 19.5 | 24.3 | 28.2 | 28.5 | 26.1 | 23.4 | 21.5 |
| | الرطوبة Humidity | 74 | 78 | 64 | 49 | 43 | 56 | 64 | 72 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS. — مدلولات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo .... | 37 | 08 | 42 | 41 | 194.0 | Sulaimanya ... | 35 | 33 | 45 | 25 | 189.7 | Hilla ... | 32 | 29 | 44 | 26 | ... |
| Amadia ... | 37 | 05 | 43 | 30 | 175.0 | Chamchamal ... | 35 | 32 | 44 | 51 | 146.4 | Hit .... | 33 | 4 | 42 | 55 | 23.4 |
| Aqra ... | 36 | 45 | 43 | 53 | 174.1 | Penjwin ... | 35 | 37 | 45 | 58 | 249.5 | Hindiya ... | 32 | 42 | 44 | 17 | 22.0 |
| Duhok ... | 36 | 52 | 43 | 02 | 110.8 | Halabja ... | 35 | 11 | 45 | 59 | 148.5 | Karbal ... | 32 | 37 | 44 | 01 | 20.3 |
| Sanat ... | 36 | 47 | 42 | 48 | 235.1 | Chwarta ... | 35 | 44 | 45 | 33 | 217.0 | Anah ... | 32 | 28 | 41 | 57 | 15.0 |
| Sarsank ... | 36 | 58 | 43 | 32 | 244.6 | Bakrajo ... | 35 | 34 | 45 | 23 | 204.0 | Samawa ... | 31 | 20 | 45 | 15 | 21.3 |
| Sijar ... | 36 | 19 | 41 | 50 | 159.0 | Iftikhar ... | 35 | 03 | 44 | 27 | 107.6 | Kut ... | 32 | 30 | 45 | 45 | ... |
| Telafar ... | 36 | 22 | 42 | 28 | 75.3 | Al-Mansur .... | 34 | 05 | 44 | 58 | 15.2 | Qala't Sukar ... | 31 | 52 | 46 | 05 | ... |
| Arbil ... | 36 | 11 | 44 | 00 | 114.6 | Tuz ... | 34 | 50 | 44 | 30 | 117.0 | A'mara ... | 31 | 51 | 47 | 10 | 14.4 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 196.0 | Jalawla .... | 34 | 16 | 45 | 09 | 75.4 | Bada'a ... | 31 | 05 | 45 | 55 | 3.0 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | 222.2 | Mandily ... | 33 | 45 | 45 | 33 | 61.5 | Ur ... | 30 | 58 | 46 | 05 | ... |
| Rayat ... | 36 | 41 | 44 | 57 | 175.7 | Samarra ... | 34 | 11 | 43 | 50 | ... | Fao ... | 29 | 59 | 48 | 30 | 13.0 |

## NOTES ON TABLES

***Mean Air Pressure.***— Is expressed in the millibars, the initial 9 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0600 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all abservation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office. Air Ministry London.

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥ . لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق ، اي ارتفاع بصلات المحارير ١٫٣م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف العدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠ متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/٠١ والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨/٧ أو ٨/٠٨

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≥ ٨ اذا كان الريح مساويا الى هذين للقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح ( الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

° = درجة مئوي

وقت كرينيج = وقت بغداد المحلي - ٣ ساعات

ان مدلولات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر باذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.**

التقرير الجوي الشهري

**MAY 1954**

مايس ١٩٥٤

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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WEATHER BUREAU

# MONTH MAY 1954

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) (درجات مئوية) درجات الحرارة (م°) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل<br>Q = 36° 23′ N.<br>λ = 44° 24′ E.<br>Hs. = 222.6 m.<br>Hb. = 223.5 m.<br>ha = 13.2 m. | 1-10 | 10.7 | 11.1 | 08.9 | 09.8 | 16.5 | 23.7 | 30.3 | 20.9 | 31.5 | 15.3 | 35.3 | 9 | 28.1 | 6 | 18.0 | 10 | 13.0 | 1 |
| | 11-20 | 11.5 | 11.9 | 09.8 | 11.2 | 12.4 | 22.1 | 28.6 | 18.5 | 30.2 | 10.0 | 34.9 | 20 | 27.2 | 17 | 18.1 | 11 | 8.3 | 18 |
| | 21-31 | 09.5 | 09.9 | 07.3 | 08.9 | 15.8 | 27.2 | 35.8 | 29.1 | 31.7 | 11.1 | 39.1 | 29 | 33.0 | 22 | 20.0 | 31 | 11.5 | 21 |
| | MONTH | 10.5 | 10.9 | 08.6 | 09.9 | 15.0 | 24.4 | 31.7 | 21.2 | 31.1 | 13.2 | 39.1 | 29 | 27.2 | 17 | 20.8 | 31 | 8.3 | 18 |
| **Kirkuk** كركوك<br>Q = 35° 78′ N.<br>λ = 44° 24′ E.<br>Hs. = 330.8 m.<br>Hb. = 331.7 m.<br>ha = 8.2 m. | 1-10 | 08.6 | 08.9 | 07.1 | 08.3 | 20.9 | 27.3 | 31.9 | 24.5 | 33.0 | 19.1 | 36.6 | 9 | 29.6 | 7 | 21.8 | 8 | 15.6 | 7 |
| | 11-20 | 09.7 | 09.1 | 07.9 | 09.5 | 17.3 | 26.2 | 29.4 | 22.4 | 31.3 | 16.1 | 34.8 | 12 | 28.5 | 17 | 20.8 | 12 | 11.9 | 18 |
| | 21-31 | 07.8 | 08.0 | 06.4 | 07.0 | 22.6 | 30.3 | 35.4 | 28.2 | 36.3 | 20.9 | 38.6 | 25 | 33.8 | 22 | 24.3 | 31 | 18.2 | 28 |
| | MONTH | 08.7 | 08.7 | 07.1 | 08.5 | 20.5 | 28.1 | 32.3 | 25.1 | 33.6 | 18.7 | 38.6 | 25 | 23.5 | 17 | 24.3 | 31 | 11.9 | 18 |
| **Khanaqin** خانقين<br>Q = 34° 18 N.<br>λ = 45° 26 E.<br>Hs. = 201.2 m.<br>Hb. = 202.1 m.<br>ha = 6.1 m. | 1-10 | ... | 08.9 | 07.7 | 09.1 | ... | 29.4 | 33.9 | 27.3 | 35.0 | 19.0 | 38.3 | 10 | 32.8 | 6,7 | 21.6 | 2 | 16.1 | 6 |
| | 11-20 | ... | 09.0 | 07.8 | 09.4 | ... | 28.0 | 32.6 | 26.1 | 33.4 | 16.3 | 37.8 | 12 | 30.5 | 18 | 21.6 | 11 | 12.2 | 18 |
| | 21-31 | ... | 07.3 | 06.2 | 07.6 | ... | 32.4 | 38.2 | 30.4 | 38.4 | 20.5 | 40.5 | 29 | 36.6 | 28 | 25.5 | 31 | 18.3 | 25 |
| | MONTH | ... | 08.4 | 07.2 | 08.7 | ... | 30.0 | 34.8 | 28.0 | 35.7 | 18.7 | 40.5 | 29 | 30.5 | 18 | 25.5 | 31 | 12.8 | 18 |
| **Baghdad** بغداد<br>Q = 33° 20′ N.<br>λ = 44° 24′ E.<br>Hs. = 34.1 m.<br>Hb. = 40.4 m.<br>ha = 17.7 m. | 1-10 | 08.5 | 09.9 | 09.4 | 07.9 | 23.7 | 27.6 | 34.2 | 26.6 | 35.5 | 21.1 | 37.5 | 9 | 33.4 | 7 | 23.4 | 4 | 17.8 | 1 |
| | 11-20 | 09.3 | 10.9 | 09.4 | 09.7 | 20.9 | 26.4 | 32.6 | 24.9 | 33.4 | 17.3 | 36.9 | 11 | 30.3 | 18 | 22.0 | 12 | 12.8 | 18 |
| | 21-31 | 07.4 | 09.5 | 07.6 | 07.4 | 24.8 | 30.8 | 38.1 | 30.7 | 38.8 | 21.6 | 41.5 | 29 | 36.5 | 22 | 26.4 | 31 | 18.8 | 21 |
| | MONTH | 08.5 | 10.1 | 08.8 | 08.3 | 23.2 | 28.4 | 35.1 | 27.5 | 35.9 | 20.1 | 41.5 | 29 | 30.3 | 17 | 26.4 | 31 | 12.8 | 18 |
| **Habbaniyah** حبانية<br>Q = 33° 22′ N.<br>λ = 43° 21′ E.<br>Hs. = 43.6 m.<br>Hb. = 44.5 m.<br>ha = 14.9 m. | 1-10 | 08.4 | 09.9 | 07.8 | 07.7 | 23.9 | 27.2 | 35.0 | 23.3 | 35.7 | 20.9 | 38.3 | 9,10 | 33.3 | 5,6,7 | 23.9 | 4 | 17.8 | 1 |
| | 11-20 | 09.0 | 11.0 | 09.4 | 09.5 | 20.1 | 26.3 | 32.8 | 25.6 | 33.4 | 17.9 | 37.2 | 11,20 | 31.1 | 13 | 22.8 | 12 | 15.0 | 18 |
| | 21-31 | 07.9 | 09.5 | 07.4 | 07.7 | 25.0 | 31.1 | 38.9 | 30.9 | 39.9 | 22.9 | 41.1 | 25,29 | 37.2 | 22 | 26.6 | 31 | 21.1 | 21,23,31 |
| | MONTH | 08.5 | 10.1 | 08.2 | 08.3 | 22.8 | 28.3 | 35.7 | 28.4 | 36.2 | 20.6 | 41.1 | 25,29 | 31.1 | 13 | 26.6 | 31 | 15.0 | 18 |
| **Rutba** رطبة<br>Q = 33° 03 N.<br>λ = 40° 17 E.<br>Hs. = 615.5 m.<br>Hb. = 616.4 m.<br>ha = 16.1 m. | 1-10 | 12.6 | 11.9 | 07.9 | 09.0 | 16.7 | 21.6 | 29.0 | 23.3 | 30.3 | 15.0 | 34.3 | 8 | 26.1 | 5 | 19.7 | 8 | 12.1 | 6 |
| | 11-20 | 13.2 | 13.2 | 09.4 | 11.1 | 15.3 | 21.1 | 28.6 | 23.3 | 28.7 | 12.8 | 34.6 | 11 | 23.1 | 20 | 16.7 | 12 | 10.7 | 13 |
| | 21-31 | 11.2 | 10.5 | 06.8 | 09.0 | 21.9 | 28.2 | 35.2 | 29.2 | 35.5 | 19.8 | 38.4 | 24 | 25.8 | 22 | 24.5 | 31 | 18.0 | 22,23 |
| | MONTH | 12.1 | 11.8 | 07.0 | 09.0 | 18.0 | 23.9 | 31.1 | 25.1 | 31.5 | 15.9 | 38.4 | 24 | 23.1 | 20 | 24.6 | 31 | 10.7 | 13 |
| **Kut Al-Hai** كوت الحي<br>Q = 32° 10 N.<br>λ = 46° 03 E.<br>Hs. = 14.9 m.<br>Hb. = 16.1 m.<br>ha = 7.9 m. | 1-10 | 07.9 | 08.9 | 07.8 | 07.6 | 23.1 | 31.2 | 35.6 | 27.3 | 36.5 | 21.1 | 39.4 | 10 | 34.0 | 6 | 24.0 | 10 | 19.0 | 1 |
| | 11-20 | 08.3 | 09.5 | 08.5 | 08.7 | 21.8 | 29.9 | 33.7 | 26.1 | 34.3 | 20.3 | 39.6 | 12 | 30.5 | 18 | 25.0 | 11 | 15.8 | 19 |
| | 21-31 | 06.3 | 07.4 | 06.3 | 06.5 | 25.4 | 34.1 | 39.3 | 31.1 | 40.0 | 23.0 | 43.5 | 31 | 37.5 | 27 | 29.0 | 31 | 21.2 | 21 |
| | MONTH | 07.4 | 08.6 | 07.5 | 07.6 | 23.7 | 31.8 | 36.3 | 28.3 | 37.7 | 21.8 | 43.5 | 31 | 30.5 | 18 | 28.0 | 31 | 15.8 | 19 |
| **Diwaniya** ديوانية<br>Q = 31° 59 N.<br>λ = 44° 50 E.<br>Hs. = 20.4 m.<br>Hb. = 21.0 m<br>ha = 5.8 m. | 1-10 | 07.5 | 08.9 | 07.1 | 07.2 | 22.2 | 30.5 | 35.6 | 28.0 | 36.4 | 20.7 | 39.5 | 10 | 34.0 | 6 | 25.0 | 4 | 18.7 | 5 |
| | 11-20 | 08.2 | 09.7 | 08.0 | 08.8 | 21.3 | 28.9 | 34.2 | 26.6 | 35.1 | 19.0 | 39.6 | 12 | 31.0 | 18 | 24.0 | 11 | 16.8 | 14 |
| | 21-31 | 06.3 | 08.1 | 06.3 | 06.6 | 25.2 | 33.0 | 39.5 | 30.8 | 40.1 | 22.9 | 42.6 | 29 | 37.6 | 27 | 26.5 | 31 | 20.9 | 21 |
| | MONTH | 07.3 | 08.9 | 07.1 | 07.5 | 23.0 | 30.8 | 36.5 | 28.5 | 37.3 | 20.9 | 42.6 | 29 | 31.0 | 18 | 26.5 | 31 | 16.8 | 14 |
| **Nasiriya** ناصرية<br>Q = 31° 01 N.<br>λ = 46° 14 E.<br>Hs. = 3.0 m.<br>Hb. = 3.7 m.<br>ha = 8.8 m. | 1-10 | 07.4 | 07.3 | 07.5 | 07.3 | 25.3 | 29.7 | 34.8 | 29.1 | 35.8 | 21.5 | 39.7 | 10 | 33.6 | 1 | 25.0 | 2 | 20.3 | 7 |
| | 11-20 | 08.2 | 08.8 | 09.4 | 08.8 | 25.3 | 29.2 | 33.4 | 28.7 | 34.3 | 22.6 | 38.5 | 11 | 30.6 | 18 | 23.6 | 11 | 15.8 | 19 |
| | 21-31 | 05.8 | 07.7 | 06.2 | 06.4 | 27.4 | 30.9 | 36.3 | 31.0 | 37.4 | 25.1 | 40.4 | 29 | 34.4 | 23 | 30.2 | 30 | 22.2 | 21 |
| | MONTH | 07.3 | 08.9 | 07.4 | 07.7 | 26.6 | 30.0 | 34.9 | 29.8 | 35.9 | 23.1 | 40.4 | 29 | 30.6 | 18 | 30.2 | 30 | 15.8 | 19 |
| **Basrah** بصره<br>Q = 30° 34 N.<br>λ = 47° 47 E.<br>Hs. = 2.4 m.<br>Hb. = 13.7 m.<br>ha = 23.5 m. | 1-10 | 07.1 | 03.3 | 07.2 | 05.0 | 26.3 | 29.8 | 33.6 | 28.3 | 34.0 | 24.9 | 36.2 | 8 | 32.5 | 1 | 28.3 | 10 | 22.1 | 1 |
| | 11-20 | 07.1 | 08.7 | 07.8 | 07.9 | 23.1 | 29.5 | 32.6 | 28.3 | 33.5 | 24.4 | 40.8 | 12 | 30.1 | 18 | 25.9 | 12 | 22.9 | 18 |
| | 21-31 | 04.7 | 06.0 | 05.0 | 04.8 | 23.7 | 31.0 | 35.1 | 31.5 | 35.7 | 27.4 | 37.2 | 25 | 34.4 | 26 | 29.8 | 31 | 25.5 | 21 |
| | MONTH | 06.3 | 07.5 | 06.6 | 06.5 | 27.1 | 30.1 | 33.8 | 29.4 | 34.4 | 25.6 | 40.6 | 12 | 30.1 | 18 | 29.3 | 31 | 22.4 | 1 |

# شهر مايس ١٩٥٤

| درجة الندى (م°) Dew Point (oC) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأعمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأعمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | هطول المطر بالمليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | اكثر كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in 24 Hrs. | التاريخ Date |
| 13.2 | 16.4 | 15.4 | 14.7 | 81 | 64 | 42 | 69 | 15.3 | 18.8 | 17.7 | 16.9 | 0.7 | 1.6 | 3.1 | 1.2 | 1.6 | 4.0 | 5.1 | 3.2 | 3.6 | 3.0 | 7 |
| 9.6 | 12.4 | 9.5 | 10.3 | 84 | 54 | 33 | 60 | 12.2 | 14.7 | 12.3 | 12.9 | 0.4 | 1.2 | 2.8 | 0.6 | 1.2 | 2.3 | 4.0 | 1.9 | 2.8 | 2.8 | 14 |
| 11.6 | 12.1 | 7.7 | 10.4 | 76 | 40 | 18 | 44 | 13.7 | 14.3 | 10.7 | 12.8 | 0.7 | 0.4 | 1.4 | 0.7 | 2.5 | 3.0 | 3.9 | 1.7 | 0.0 | 0.0 | — |
| 11.5 | 13.6 | 10.7 | 11.8 | 80 | 52 | 30 | 57 | 13.7 | 15.9 | 13.5 | 14.1 | 0.6 | 1.0 | 2.4 | 0.8 | 2.0 | 3.1 | 4.3 | 2.3 | 6.4 | 3.0 | 7 |
| 11.6 | 12.8 | 10.5 | 12.2 | 56 | 42 | 28 | 47 | 13.7 | 14.9 | 2.9 | 14.3 | 0.5 | 1.0 | 2.1 | 1.1 | 2.9 | 4.2 | 5.0 | 2.5 | 2.7 | 2.7 | 6 |
| 7.3 | 7.6 | 6.2 | 7.1 | 52 | 32 | 24 | 39 | 10.4 | 10.8 | 9.9 | 10.4 | 0.0 | 0.3 | 2.1 | 0.4 | 0.7 | 2.5 | 4.2 | 1.8 | 0.0 | 0.0 | — |
| 6.4 | 7.6 | 5.8 | 7.3 | 36 | 25 | 15 | 26 | 9.8 | 10.7 | 8.9 | 9.9 | 0.3 | 0.0 | 0.4 | 0.3 | 2.3 | 2.5 | 3.5 | 2.2 | TR | TR | 30.31 |
| 8.4 | 9.2 | 7.5 | 8.8 | 47 | 33 | 22 | 37 | 11.3 | 12.1 | 10.5 | 11.5 | 0.3 | 0.4 | 1.5 | 0.6 | 2.0 | 3.1 | 4.2 | 2.2 | 2.7 | 2.7 | 6 |
| ... | 9.5 | 5.8 | 7.2 | ... | 30 | 18 | 29 | ... | 12.1 | 9.4 | 10.4 | ... | 0.5 | 3.1 | 1.4 | ... | 3.7 | 5.0 | 2.1 | 0.3 | 0.3 | 4 |
| ... | 3.6 | 3.7 | 3.4 | ... | 22 | 16 | 23 | ... | 8.0 | 8.0 | 7.8 | ... | 0.5 | 2.3 | 1.0 | ... | 1.3 | 3.8 | 1.3 | 0.4 | 0.4 | 12 |
| ... | 4.9 | 4.1 | 4.4 | ... | 20 | 13 | 19 | ... | 8.8 | 8.2 | 8.4 | ... | 0.0 | 0.0 | 0.5 | ... | 2.3 | 2.0 | 1.7 | 0.0 | 0.0 | — |
| ... | 6.0 | 4.5 | 5.0 | ... | 24 | 15 | 24 | ... | 9.6 | 8.5 | 8.9 | ... | 0.3 | 1.7 | 0.9 | ... | 2.4 | 3.5 | 1.8 | 0.7 | 0.4 | 12 |
| 11.9 | 12.0 | 9.4 | 11.8 | 48 | 38 | 23 | 48 | 14.2 | 14.2 | 12.1 | 16.9 | 0.2 | 0.5 | 1.2 | 0.0 | 1.6 | 3.0 | 4.7 | 2.2 | TR | TR | 3,9,10 |
| 7.4 | 7.5 | 2.9 | 7.5 | 43 | 30 | 16 | 34 | 10.6 | 10.4 | 7.7 | 10.9 | 0.0 | 0.0 | 0.8 | 0.0 | 0.5 | 1.8 | 3.2 | 1.4 | TR | TR | 14 |
| 9.5 | 8.0 | 4.3 | 10.2 | 39 | 26 | 15 | 30 | 12.3 | 11.9 | 9.1 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.8 | 2.8 | 1.5 | 0.0 | 0.0 | — |
| 9.6 | 9.1 | 5.5 | 10.8 | 43 | 31 | 18 | 38 | 12.3 | 12.1 | 9.6 | 13.7 | 0.1 | 0.2 | 0.5 | 0.0 | 1.0 | 2.2 | 3.5 | 1.7 | TR | TR | 3,9,10,14 |
| 14.1 | 14.5 | 13.0 | 14.7 | 57 | 46 | 27 | 44 | 16.2 | 16.6 | 15.1 | 16.8 | 0.0 | 0.3 | 1.0 | 0.0 | 1.3 | 3.1 | 3.8 | 3.2 | TR | TR | 3,6,10 |
| 11.6 | 13.8 | 14.4 | 13.6 | 68 | 46 | 34 | 47 | 13.8 | 15.8 | 16.5 | 15.6 | 0.0 | 0.0 | 0.3 | 0.0 | 0.4 | 1.3 | 2.9 | 1.4 | 0.0 | 0.0 | — |
| 10.1 | 10.9 | 8.8 | 11.9 | 40 | 29 | 16 | 31 | 12.5 | 13.1 | 11.4 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.2 | 1.5 | 1.8 | 0.0 | 0.0 | — |
| 11.9 | 13.1 | 12.1 | 13.4 | 51 | 40 | 25 | 40 | 14.1 | 15.1 | 14.2 | 15.4 | 0.0 | 0.1 | 0.4 | 0.0 | 1.0 | 1.8 | 2.7 | 2.1 | TR | TR | 3,6,10 |
| 6.3 | 7.7 | 4.7 | 5.5 | 52 | 42 | 23 | 33 | 9.8 | 10.8 | 8.8 | 9.3 | 1.3 | 0.5 | 3.1 | 2.3 | 2.4 | 2.5 | 4.0 | 2.8 | 0.7 | 0.7 | 5 |
| 1.1 | 1.8 | —1.4 | 1.2 | 40 | 32 | 14 | 22 | 6.8 | 7.4 | 5.1 | 5.8 | 0.0 | 0.0 | 0.2 | 0.3 | 0.5 | 0.8 | 1.5 | 0.9 | 0.0 | 0.0 | — |
| 0.8 | 1.2 | —0.3 | 1.6 | 26 | 13 | 11 | 18 | 6.8 | 6.9 | 5.7 | 7.0 | 1.4 | 0.3 | 2.2 | 1.6 | 2.5 | 1.8 | 4.1 | 2.6 | 1.0 | 1.0 | 24 |
| 2.7 | 3.5 | 1.0 | 2.7 | 39 | 30 | 16 | 24 | 7.8 | 8.3 | 6.5 | 7.4 | 1.1 | 0.3 | 1.9 | 1.0 | 2.0 | 2.0 | 3.2 | 2.1 | 1.7 | 1.0 | 24 |
| 4.2 | 13.9 | 13.5 | 15.1 | 53 | 36 | 27 | 48 | 16.5 | 16.1 | 15.6 | 17.4 | 0.6 | 0.0 | 1.0 | 0.7 | 1.1 | 2.0 | 2.7 | 1.0 | 0.0 | 0.0 | — |
| 12.1 | 11.5 | 8.0 | 11.1 | 54 | 33 | 21 | 40 | 14.4 | 13.7 | 10.9 | 13.4 | 0.0 | 0.3 | 0.1 | 0.0 | 0.3 | 0.6 | 1.2 | 1.0 | 0.0 | 0.0 | — |
| 13.0 | 11.5 | 8.3 | 12.5 | 46 | 26 | 16 | 33 | 15.2 | 13.8 | 11.5 | 14.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | — |
| 13.1 | 12.3 | 9.9 | 12.9 | 53 | 31 | 21 | 40 | 15.4 | 14.5 | 12.6 | 15.2 | 0.2 | 0.1 | 0.4 | 0.2 | 0.5 | 1.0 | 1.3 | 0.6 | 0.0 | 0.0 | — |
| 12.9 | 14.4 | 12.8 | 12.1 | 56 | 38 | 26 | 39 | 15.0 | 16.6 | 14.8 | 14.4 | 0.0 | 0.0 | 0.6 | 1.3 | 0.5 | 2.3 | 3.4 | 2.5 | TR | TR | 10 |
| 10.3 | 10.6 | 7.9 | 8.9 | 50 | 32 | 21 | 34 | 12.7 | 12.9 | 10.1 | 11.6 | 0.0 | 0.4 | 0.4 | 0.7 | 0.4 | 0.8 | 1.7 | 1.5 | 0.0 | 0.0 | — |
| 11.1 | 12.9 | 9.8 | 11.7 | 42 | 30 | 17 | 31 | 13.4 | 15.1 | 12.3 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | — |
| 11.4 | 12.6 | 10.1 | 10.9 | 49 | 33 | 21 | 34 | 13.7 | 14.5 | 12.6 | 13.3 | 0.0 | 0.1 | 0.3 | 0.6 | 0.3 | 1.1 | 1.7 | 1.3 | TR | TR | 10 |
| 17.1 | 14.3 | 13.4 | 17.8 | 61 | 41 | 21 | 51 | 19.8 | 16.5 | 15.8 | 20.7 | 1.0 | 0.8 | 1.2 | 1.2 | 1.5 | 3.0 | 3.6 | 2.6 | 0.7 | 0.6 | 5 |
| 13.2 | 13.5 | 11.4 | 15.2 | 46 | 40 | 29 | 44 | 15.5 | 15.7 | 13.5 | 17.6 | 0.8 | 0.0 | 0.2 | 0.2 | 1.0 | 0.5 | 2.0 | 1.7 | TR | TR | 11 |
| 16.2 | 17.6 | 17.2 | 20.3 | 54 | 45 | 34 | 52 | 19.9 | 20.2 | 20.2 | 22.1 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.1 | 0.8 | 0.0 | 0.0 | 0 | — |
| 15.5 | 15.2 | 14.0 | 17.8 | 54 | 42 | 31 | 49 | 18.5 | 17.6 | 16.7 | 20.2 | 0.6 | 0.3 | 0.7 | 0.7 | 0.8 | 1.2 | 2.2 | 1.1 | 0.7 | 0.6 | 5 |
| 20.5 | 19.9 | 19.7 | 22.8 | 73 | 56 | 44 | 68 | 24.4 | 23.5 | 23.0 | 26.2 | 0.0 | 0.2 | 0.5 | 0.0 | 1.0 | 3.8 | 2.9 | 0.7 | 0.5 | 0.5 | 5 |
| 18.3 | 17.9 | 16.4 | 17.7 | 68 | 57 | 38 | 54 | 22.0 | 21.1 | 18.7 | 20.5 | 0.0 | 0.2 | 0.2 | 0.0 | 0.7 | 0.9 | 2.3 | 0.5 | 0.0 | 0.0 | — |
| 21.3 | 21.7 | 22.9 | 21.3 | 65 | 59 | 49 | 56 | 25.8 | 26.3 | 28.0 | 25.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 20.0 | 19.9 | 19.7 | 20.3 | 66 | 57 | 44 | 59 | 23.7 | 23.7 | 23.9 | 24.2 | 0.0 | 0.1 | 0.2 | 0.0 | 0.6 | 1.5 | 1.4 | 0.4 | 0.5 | 0.5 | 5 |

# MONTH MAY 1954

| المحطة STATION | المدة Period | Numbers of Days. عدد الايام: مطر Rain | ثلج Snow | برد Hail | عاصفة رعدية Thunderstorms | ضباب Fog | زوبعة غبار Duststorm | الجو صحو Clear | الجو غائم Cloudy | مطول المطر بالمليمترات Rainfall (mms) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observations. 0000 (G.M.T.): شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 36° 19' N. | 1—10 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 2 |
| X = 43° 09' E. | 11—20 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 2 |
| Hs. = 222.6 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho. = 223.3 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 | 1 |
| ha = 13.1 m. | MONTH | 3 | 0 | 0 | 2 | 0 | 0 | 7 | 0 | 2 | 0 | 7 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 22 | 2 |
| **Kirkuk** كركوك | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28' N. | 1—10 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 6 |
| X = 44° 24' E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 6 |
| Hs. = 330.8 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho. = 331.7 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| ha = 8.2 m. | MONTH | 1 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 4 | 19 | 6 | 0 | 0 | 0 | 1 | 0 | 1 | 6 |
| **Khanaqin** خانقين | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18' N. | 1—10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| X = 45 26 E. | 11—20 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 901.2 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho. = 20..1 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| **Baghdad** بغداد | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20' N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 2 | 3 | 0 | 9 |
| X = 44 24 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 3 | 2 | 0 | 8 |
| H . = 34.1 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho. = 4..4 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 5 |
| ha = 17.7 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 4 | 0 | 1 | 0 | 5 | 7 | 4 | 7 |
| **Habbaniya** حبانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 22' N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 2 | 2 | 4 |
| X = 43 34 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 6 |
| H . = 34.6 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho. = 44.5 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 6 | 4 |
| ha = 14.9 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 3 | 0 | 1 | 0 | 2 | 9 | 9 | 5 |
| **Rutba** رطبة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 02' N. | 1—10 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 2 | 1 | 2 | 0 | 2 | 7 |
| X = 40 17 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 3 | 5 |
| Hs. = 615.5 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho. = 616.1 m. | 21—31 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 3 | 0 | 2 | 5 |
| ha = 16.1 m. | MONTH | 2 | 0 | 0 | 1 | 0 | 0 | 14 | 0 | 1 | 0 | 4 | 0 | 5 | 1 | 0 | 2 | 3 | 5 | 7 | 1 | 7 | 6 |
| **Kut Al-Hai** كوت الحي | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 32° 10' N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 2 | 3 | 0 | 3 |
| X = 46 03' E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 0 | 6 |
| Hs. = 14.9 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho = 16.1 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 0 | 5 |
| ha = 7.9 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 1 | 24 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 3 | 0 | 14 | 8 | 0 | 5 |
| **Diwaniya** الديوانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59' N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 2 | 1 | 2 | 4 |
| N = 44 59 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 5 |
| H. = 10.4 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho. = 21.0 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 | 5 |
| ha = 5.6 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 2 | 0 | 11 | 2 | 1 | 1 | 0 | 0 | 8 | 2 | 6 | 5 |
| **Nasiriya** ناصرية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01' N. | 1—10 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 2 | 0 | 1 | 2 | 1 | 5 |
| X = 46 14 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 10 |
| Hs. = 3.0 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho = 3.7 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 9 |
| ha = 6.8 m. | MONTH | 1 | 0 | 0 | 1 | 0 | 3 | 18 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 1 | 1 | 2 | 0 | 6 | 4 | 2 | 8 |
| **Basra** بصرة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 30° 34' N. | 1—10 | 1 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 4 |
| X = 47 47 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 4 |
| Hs. = 2.4 m. | | | | | | | | | | | | | | | | | | | | | | | |
| Ho = 13.7 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 8 |
| ha = 98.5 m. | MONTH | 1 | 0 | 0 | 2 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 3 | 4 | 12 | 3 | 6 |

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

0600 (G.M.T.)

| شمالي N. | شمالي شرقي NE | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 1 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 5 |
| 3 | 0 | 1 | 0 | 0 | 0 | 3 | 3 | 0 | 8 |
| 5 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 6 |
| 11 | 3 | 5 | 0 | 0 | 0 | 4 | 7 | 1 | 6 |
| 1 | 2 | 1 | 2 | 1 | 1 | 0 | 1 | 2 | 4 |
| 0 | 3 | 0 | 1 | 0 | 0 | 1 | 4 | 1 | 5 |
| 0 | 1 | 1 | 0 | 2 | 1 | 0 | 4 | 2 | 4 |
| 1 | 5 | 2 | 3 | 3 | 2 | 1 | 9 | 5 | 4 |
| 0 | 1 | 5 | 0 | 1 | 0 | 1 | 0 | 2 | 3 |
| 1 | 0 | 1 | 0 | 3 | 0 | 0 | 1 | 4 | 4 |
| 1 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 6 | 5 |
| 2 | 1 | 6 | 0 | 5 | 0 | 3 | 2 | 12 | 4 |
| 2 | 1 | 0 | 1 | 1 | 0 | 1 | 4 | 0 | 8 |
| 2 | 3 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 10 |
| 4 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 1 | 9 |
| 8 | 4 | 0 | 1 | 1 | 2 | 3 | 11 | 1 | 9 |
| 1 | 2 | 1 | 0 | 0 | 1 | 0 | 5 | 0 | 8 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 10 |
| 2 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 3 | 8 |
| 3 | 4 | 2 | 0 | 0 | 2 | 0 | 17 | 3 | 9 |
| 3 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 1 | 8 |
| 2 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 2 | 7 |
| 1 | 0 | 1 | 0 | 1 | 3 | 2 | 1 | 2 | 9 |
| 6 | 0 | 1 | 0 | 1 | 4 | 10 | 4 | 5 | 8 |
| 2 | 1 | 0 | 0 | 2 | 0 | 2 | 3 | 0 | 5 |
| 2 | 0 | 1 | 0 | 0 | 0 | 2 | 5 | 0 | 7 |
| 1 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 10 |
| 5 | 1 | 1 | 0 | 2 | 0 | 9 | 13 | 0 | 7 |
| 1 | 2 | 0 | 0 | 1 | 2 | 3 | 0 | 1 | 6 |
| 3 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 1 | 6 |
| 5 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 9 |
| 9 | 2 | 1 | 0 | 2 | 3 | 7 | 5 | 2 | 7 |
| 2 | 0 | 1 | 0 | 1 | 0 | 2 | 4 | 0 | 7 |
| 4 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 8 |
| 5 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 10 |
| 11 | 0 | 3 | 6 | 1 | 1 | 2 | 13 | 0 | 8 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 | 5 |
| 3 | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 6 |
| 3 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 10 |
| 6 | 2 | 1 | 0 | 0 | 1 | 2 | 18 | 1 | 7 |

1200 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 2 | 4 | 0 | 1 | 1 | 2 | 0 | 0 | 11 |
| 2 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 14 |
| 1 | 1 | 0 | 0 | 0 | 3 | 4 | 2 | 0 | 14 |
| 3 | 3 | 4 | 0 | 1 | 4 | 9 | 7 | 0 | 13 |
| 0 | 1 | 1 | 0 | 0 | 3 | 5 | 0 | 0 | 9 |
| 1 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 1 | 10 |
| 0 | 0 | 0 | 0 | 1 | 2 | 3 | 5 | 0 | 11 |
| 1 | 1 | 1 | 0 | 1 | 5 | 13 | 8 | 1 | 10 |
| 3 | 0 | 1 | 0 | 0 | 0 | 5 | 1 | 0 | 7 |
| 0 | 0 | 0 | 0 | 1 | 1 | 8 | 0 | 0 | 9 |
| 2 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 10 |
| 5 | 0 | 1 | 0 | 1 | 1 | 20 | 3 | 0 | 9 |
| 0 | 1 | 2 | 0 | 2 | 0 | 4 | 1 | 0 | 10 |
| 1 | 1 | 2 | 0 | 1 | 0 | 3 | 1 | 1 | 10 |
| 1 | 4 | 0 | 1 | 1 | 0 | 2 | 2 | 0 | 10 |
| 2 | 6 | 4 | 1 | 4 | 0 | 9 | 4 | 1 | 10 |
| 0 | 0 | 2 | 0 | 1 | 3 | 0 | 4 | 0 | 9 |
| 1 | 0 | 0 | 0 | 1 | 0 | 1 | 7 | 0 | 15 |
| 3 | 0 | 0 | 0 | 1 | 0 | 2 | 5 | 0 | 12 |
| 4 | 0 | 2 | 0 | 3 | 3 | 3 | 16 | 0 | 12 |
| 0 | 2 | 0 | 0 | 1 | 2 | 2 | 0 | 3 | 7 |
| 1 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 2 | 9 |
| 0 | 0 | 1 | 0 | 2 | 1 | 5 | 1 | 1 | 14 |
| 1 | 2 | 1 | 1 | 3 | 3 | 13 | 1 | 6 | 10 |
| 1 | 0 | 0 | 0 | 2 | 0 | 5 | 2 | 0 | 7 |
| 0 | 0 | 0 | 0 | 1 | 0 | 3 | 6 | 0 | 8 |
| 1 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 13 |
| 2 | 0 | 0 | 0 | 3 | 0 | 13 | 13 | 0 | 9 |
| 1 | 0 | 1 | 0 | 0 | 1 | 4 | 2 | 1 | 5 |
| 1 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 12 |
| 4 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 11 |
| 6 | 0 | 1 | 0 | 0 | 1 | 15 | 7 | 1 | 9 |
| 6 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 6 |
| 4 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 9 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 11 |
| 16 | 0 | 1 | 2 | 0 | 0 | 0 | 12 | 0 | 9 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 7 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 9 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 10 |
| 10 | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 0 | 9 |

1800 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 6 | 6 |
| 2 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 7 |
| 1 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 6 | 4 |
| 4 | 0 | 0 | 0 | 1 | 3 | 3 | 4 | 16 | 6 |
| 0 | 5 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 6 |
| 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 6 |
| 3 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 5 |
| 6 | 6 | 2 | 0 | 0 | 1 | 3 | 7 | 6 | 6 |
| 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 8 | 1 |
| 1 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 5 | 2 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 4 |
| 5 | 0 | 1 | 0 | 1 | 1 | 3 | 4 | 16 | 2 |
| 0 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 4 | 3 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 7 | 1 | 5 |
| 5 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 6 |
| 5 | 1 | 3 | 1 | 3 | 0 | 2 | 9 | 7 | 5 |
| 1 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | 2 | 8 |
| 1 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 4 | 4 |
| 5 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 2 | 5 |
| 7 | 1 | 2 | 1 | 2 | 0 | 2 | 8 | 8 | 6 |
| 3 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 1 | 10 |
| 0 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 6 |
| 2 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 2 | 9 |
| 5 | 2 | 1 | 0 | 0 | 0 | 7 | 9 | 7 | 8 |
| 2 | 1 | 0 | 0 | 1 | 0 | 4 | 2 | 0 | 3 |
| 2 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 5 |
| 0 | 0 | 0 | 0 | 0 | 0 | 9 | 2 | 0 | 5 |
| 4 | 1 | 0 | 0 | 1 | 0 | 16 | 9 | 0 | 4 |
| 3 | 0 | 4 | 0 | 1 | 0 | 2 | 0 | 1 | 6 |
| 6 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 4 |
| 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 4 |
| 15 | 1 | 5 | 0 | 1 | 0 | 5 | 0 | 4 | 5 |
| 2 | 1 | 2 | 2 | 1 | 0 | 0 | 2 | 0 | 5 |
| 5 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 7 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 8 |
| 13 | 1 | 4 | 2 | 1 | 0 | 0 | 8 | 2 | 7 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 4 |
| 1 | 0 | 0 | 0 | 1 | 0 | 2 | 5 | 1 | 6 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 9 |
| 4 | 0 | 0 | 0 | 1 | 0 | 3 | 19 | 4 | 6 |

**MONTH MAY 1954**

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha (متر Meters) | الارتفاع Height Ha (متر Meters) | توزيع الريح DISTRIBUTION OF WIND: أكثر من ٣٥ عقدة > 35 Kts. — تاريخ Date | أكثر من ٣٥ عقدة > 35 Kts. — استدامة Duration (ساعات hrs.) | ٢١ الى ٣٥ عقدة 21–35 Kts. — عدد الايام No. of days | استدامة DURATION: ساعات hrs. | ١١–٢٠ عقدة 11–20 Kts. — ساعات hrs. | ٤–١٠ عقدة 4–10 Kts. — ساعات hrs. | أقل من ٤ عقدة < 4 Kts. — ساعات hrs. | لا قيد No. Record — ساعات hrs. | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind. — الاتجاه Veer. From N (درجات deg.) | السرعة Speed. (عقدة Knots) | الساعة المنتهي فيها Hour end at (س ي d. h.) | أعلى عصفة Highest Gust. — السرعة Speed. (عقدة Knots.) | الوقت Time (د س ي d. h. m.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | 0 | 1 | 1 | 162 | 468 | 113 | 0 | 310 | 22 | 12 1600 | 30 | 12 12 00 |

## ADDITIONAL DATA — المعلومات الاضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun shine (hours) | درجة حرارة الارض Temperature of Earth. على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days. الصقيع الارضي Ground from. | النهاية العظمى الصغرى أقل من ١- Min < 1- | النهاية العظمى أكثر من ١٨ Max < 18 | عدد مرات كون الغيم أكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 300 Meters. | قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية 3 Hourly Values of Temp oC and Relative Himidity % — الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 225.7 | 10.2 | 21.9 | 20.3 | ... | 0 | 20 | 0 | 0 | الحرارة Temperature | 15.0 | 15.0 | 24.4 | 30.9 | 31.7 | 29.1 | 21.2 | 17.8 |
| | | | | | | | | | | الرطوبة Humidity | 80 | 83 | 52 | 33 | 30 | 36 | 57 | 74 |
| KIRKUK ... | ... | ... | 23.1 | 21.1 | ... | 0 | 1 | 0 | 0 | الحرارة Temperature | 23.5 | 21.0 | 28.1 | 31.4 | 32.3 | 30.7 | 25.1 | 12.4 |
| | | | | | | | | | | الرطوبة Humidity | 47 | 48 | 33 | 24 | 22 | 24 | 37 | 43 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 1 | 0 | 0 | الحرارة Temperature | ... | 20.0 | 30.0 | ... | 34.8 | 32.3 | 28.0 | ... |
| | | | | | | | | | | الرطوبة Humidity | ... | 41 | 24 | ... | 15 | 18 | 24 | ... |
| BAGHDAD ... | 233.2 | 15.8 | 29.2 | 21.9 | ... | 0 | 1 | 2 | 0 | الحرارة Temperature | 23.2 | 21.4 | 28.4 | 33.5 | 35.1 | 33.6 | 27.5 | 25.4 |
| | | | | | | | | | | الرطوبة Humidity | 43 | 57 | 31 | 21 | 18 | 22 | 38 | 40 |
| HABBANIYA ... | 341.7 | 18.9 | 30.6 | 26.1 | ... | 0 | 1 | 2 | 0 | الحرارة Temperature | 22.3 | 21.4 | 28.3 | 34.0 | 35.7 | 34.3 | 28.4 | 25.1 |
| | | | | | | | | | | الرطوبة Humidity | 51 | 55 | 40 | 28 | 25 | 23 | 40 | 46 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 11 | 0 | 0 | الحرارة Temperature | 18.1 | 17.0 | 23.9 | 29.8 | 31.1 | 29.7 | 25.2 | 21.5 |
| | | | | | | | | | | الرطوبة Humidity | 39 | 42 | 30 | 20 | 16 | 16 | 24 | 24 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 0 | 1 | 0 | الحرارة Temperature | 23.7 | 23.0 | 31.8 | 35.5 | 36.3 | 33.7 | 28.3 | ... |
| | | | | | | | | | | الرطوبة Humidity | 53 | 54 | 31 | 21 | 21 | 27 | 40 | ... |
| DIWANIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 2 | 0 | الحرارة Temperature | 23.0 | 22.1 | 30.8 | 35.4 | 36.5 | 34.3 | 28.5 | 25.5 |
| | | | | | | | | | | الرطوبة Humidity | 49 | 53 | 33 | 23 | 21 | 23 | 34 | 42 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 | الحرارة Temperature | 26.6 | 24.8 | 30.0 | 33.4 | 34.9 | 33.8 | 29.8 | ... |
| | | | | | | | | | | الرطوبة Humidity | 51 | 55 | 42 | 34 | 31 | 38 | 49 | ... |
| BASRA ... | 363.5 | 18.4 | ... | ... | 23.7 | 0 | 0 | 0 | 0 | الحرارة Temperature | 27.1 | 26.5 | 30.1 | 34.5 | 38.8 | 33.3 | 29.4 | 28.2 |
| | | | | | | | | | | الرطوبة Humidity | 66 | 69 | 55 | 48 | 44 | 49 | 59 | 63 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS. مدلولات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) Deg. | Min. | خط الطول شرقاً Long. (E) Deg. | Min. | هطول المطر بالملمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) Deg. | Min. | خط الطول شرقاً Long. (E) Deg. | Min. | هطول المطر بالملمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) Deg. | Min. | خط الطول شرقاً Long. (E) Deg. | Min. | هطول المطر بالملمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo .... | 37 | 08 | 42 | 41 | ... | Sulaimanya ... | 35 | 33 | 45 | 25 | 10.5 | Hilla ... | 32 | 29 | 44 | 26 | ... |
| Amadia ... | 37 | 05 | 43 | 30 | 20.7 | Chamchamal ... | 35 | 32 | 44 | 51 | 14.8 | Hit .... | 33 | 4 | 42 | 55 | ... |
| Aqra ... | 36 | 45 | 43 | 53 | .... | Penjwin ... | 35 | 37 | 45 | 58 | 9.0 | Hindiya ... | 32 | 42 | 44 | 17 | 0.0 |
| Duhok ... | 36 | 52 | 43 | 02 | 1.7 | Halabja ... | 35 | 11 | 45 | 59 | 10.5 | Karbal ... | 32 | 37 | 44 | 01 | ... |
| Sanat ... | 36 | 47 | 42 | 48 | 41.0 | Chwarta ... | 35 | 44 | 45 | 33 | ... | Anah ... | 32 | 28 | 41 | 57 | 0.0 |
| Sarsank ... | 36 | 58 | 43 | 32 | 26.6 | Bakrajo ... | 35 | 34 | 45 | 23 | 16.8 | Samawa ... | 31 | 20 | 45 | 15 | 3.8 |
| Sijar ... | 36 | 19 | 41 | 50 | 14.4 | Iftikhar ... | 35 | 03 | 44 | 27 | 0.0 | Kut ... | 32 | 30 | 45 | 45 | ... |
| Telafar ... | 36 | 22 | 42 | 28 | 0.0 | Al-Mansur .... | 34 | 05 | 44 | 58 | 0.0 | Qala't Sukar ... | 31 | 52 | 46 | 05 | ... |
| Arbil ... | 36 | 11 | 44 | 00 | 9.3 | Tuz ... | 34 | 50 | 44 | 30 | 0.0 | A'mara ... | 31 | 51 | 47 | 10 | ... |
| Rawanduz ... | 36 | 37 | 44 | 33 | 30.0 | Jalawla .... | 34 | 16 | 45 | 09 | 0.0 | Bada'a ... | 31 | 05 | 45 | 55 | 0.0 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | 10.7 | Mandily ... | 33 | 45 | 45 | 33 | ... | Ur ... | 30 | 58 | 46 | 05 | ... |
| Rayat ... | 36 | 41 | 44 | 57 | 16.3 | Samarra ... | 34 | 11 | 43 | 50 | ... | Fao ... | 29 | 59 | 48 | 30 | 0.0 |

## NOTES ON TABLES

***Mean Air Pressure***:— Is expressed in the millibars, the initial 6 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0600 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all abservation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office, Air Ministry London.

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٠٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥° لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق ، ان ارتفاع بصلات المحارير ١٫٣م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف المدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/٠١ والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨/٧ أو ٨/٠٨

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≥ ٨ اذا كان الريح مساويا الى هذين المقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح (الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كرينيج = وقت بغداد المحلي - ٣ ساعات

ان مدلولات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر باذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.**

**التقرير الجوي الشهري**

**JUNE 1954**

**حزيران ١٩٥٤**

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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WEATHER BUREAU

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) (درجات مئوية) درجات الحرارة (م°) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosal** موصل<br>Q = 36° 28′ N.<br>X = 44° 24′ E.<br>Hs. = 2216 m.<br>Hb. = 2225 m.<br>ha = 13.2 m. | 1-10 | 04.7 | 04.6 | 02.0 | 03.0 | 17.6 | 29.4 | 38.9 | 25.9 | 39.4 | 15.5 | 42.0 | 6 | 37.2 | 1 | 17.7 | 8 | 13.7 | 5 |
| | 11-20 | 03.3 | 03.5 | 01.3 | 02.6 | 20.7 | 31.6 | 39.5 | 28.3 | 40.2 | 18.2 | 41.7 | 18 | 38.6 | 15 | 22.1 | 19 | 15.3 | 11 |
| | 21-30 | 03.1 | 02.8 | 00.5 | 01.2 | 20.6 | 32.8 | 41.4 | 30.7 | 42.5 | 18.4 | 44.7 | 30 | 41.1 | 23 | 23.3 | 21 | 15.3 | 24 |
| | MONTH | 03.7 | 03.6 | 01.3 | 02.3 | 19.6 | 31.3 | 39.9 | 28.3 | 40.7 | 17.4 | 44.7 | 30 | 37.2 | 1 | 23.3 | 21 | 13.7 | 3 |
| **Kerkuk** كركوك<br>Q = 35° 78′ N.<br>X = 44° 24′ E.<br>Hs. = 330.8 m.<br>Hb. = 331.7 m.<br>ha = 8.2 m. | 1-10 | 02.3 | 02.3 | 00.2 | 01.5 | 23.4 | 32.2 | 37.9 | 29.6 | 38.5 | 21.5 | 40.5 | 7 | 36.8 | 9 | 22.5 | 4 | 19.6 | 9 |
| | 11-20 | 01.3 | 01.2 | 99.6 | 01.2 | 25.9 | 33.3 | 37.6 | 30.5 | 38.2 | 24.3 | 39.6 | 11 | 36.6 | 14 | 23.3 | 19 | 22.0 | 14 |
| | 21-30 | 00.8 | 00.4 | 99.1 | 00.2 | 27.3 | 35.6 | 39.9 | 32.4 | 40.3 | 25.3 | 41.6 | 30 | 38.9 | 21,25 | 26.6 | 21,28 | 23.9 | 27 |
| | MONTH | 01.6 | 01.3 | 99.6 | 01.0 | 25.5 | 33.7 | 38.5 | 30.8 | 39.0 | 23.7 | 41.6 | 30 | 36.6 | 14 | 28.3 | 19 | 19.6 | 9 |
| **Khanaqin** خانقين<br>Q = 34° 18 N.<br>X = 45° 26 E.<br>Hs. = 201.2 m.<br>Hb. = 202.1 m.<br>ha = 6.1 m. | 1-10 | ... | 02.5 | 00.1 | 01.5 | ... | 32.8 | 39.5 | 32.2 | 40.2 | 21.3 | 41.6 | 6,7 | 37.8 | 9 | 25.0 | 1 | 19.4 | 3,9 |
| | 11-20 | ... | 00.5 | 99.1 | 00.9 | ... | 34.0 | 39.1 | 32.3 | 40.0 | 21.9 | 41.1 | 11,12,19 | 38.9 | 16 | 26.1 | 20 | 19.4 | 14,15 |
| | 21-30 | ... | 99.9 | 98.7 | 00.4 | ... | 37.7 | 42.0 | 34.8 | 43.7 | 24.4 | 43.9 | 22,28 | 41.1 | 26 | 26.5 | 30 | 23.3 | 22 |
| | MONTH | ... | 00.9 | 99.6 | 00.3 | ... | 34.8 | 40.3 | 33.1 | 41.3 | 22.5 | 43.9 | 22,28 | 37.8 | 9 | 26.5 | 1 | 19.4 | 3,9,14,15 |
| **Baghdad** بغداد<br>Q = 33° 21′ N.<br>X = 44° 23′ E.<br>Hs. = 34.1 m.<br>Hb. = 40.4 m.<br>ha = 17.7 m. | 1-10 | 02.3 | 03.9 | 02.0 | 03.1 | 27.8 | 31.6 | 39.6 | 30.7 | 40.0 | 23.4 | 41.8 | 5,6 | 36.2 | 9 | 25.8 | 7 | 20.6 | 5 |
| | 11-20 | 01.3 | 02.8 | 01.5 | 01.6 | 25.7 | 32.7 | 39.5 | 31.5 | 40.0 | 22.5 | 41.8 | 12 | 38.8 | 13 | 24.5 | 15 | 20.7 | 16 |
| | 21-30 | 00.4 | 01.9 | 00.6 | 00.5 | 29.6 | 33.8 | 41.8 | 33.7 | 42.4 | 25.3 | 43.6 | 29 | 39.9 | 26 | 29.2 | 30 | 22.2 | 21 |
| | MONTH | 01.4 | 02.9 | 01.4 | 01.4 | 27.8 | 33.0 | 40.3 | 31.9 | 40.9 | 23.4 | 43.6 | 29 | 36.2 | 9 | 29.2 | 30 | 20.6 | 5 |
| **Habbaniyah** حبانية<br>Q = 33° 22′ N.<br>X = 43° 21′ E.<br>Hs. = 48.6 m.<br>Hb. = 41.5 m.<br>ha = 14.9 m. | 1-10 | 02.9 | 04.2 | 02.7 | 02.2 | 23.3 | 32.3 | 40.1 | 31.7 | 40.5 | 23.5 | 42.8 | 5 | 36.7 | 9 | 25.0 | 2 | 22.2 | 10 |
| | 11-20 | 01.5 | 03.1 | 01.5 | 01.5 | 25.4 | 32.5 | 40.2 | 31.9 | 40.6 | 23.5 | 43.8 | 20 | 38.9 | 13,14 | 25.6 | 19,12 | 23.2 | 11 |
| | 21-30 | 00.6 | 02.3 | 00.6 | 00.4 | 27.8 | 34.7 | 43.5 | 33.8 | 42.9 | 25.6 | 44.5 | 29 | 41.1 | 25 | 27.8 | 30 | 23.4 | 21 |
| | MONTH | 01.6 | 03.2 | 01.6 | 01.4 | 26.5 | 33.2 | 40.9 | 32.5 | 41.4 | 24.2 | 44.5 | 29 | 36.7 | 9 | 27.8 | 30 | 22.2 | 10,11 |
| **Rutba** رطبة<br>Q = 33° 02 N.<br>X = 40° 17 E.<br>Hs. = 615.5 m.<br>Hb. = 616.4 m.<br>ha = 16.1 m. | 1-10 | 07.4 | 06.5 | 03.3 | 04.4 | 22.5 | 23.1 | 35.3 | 29.5 | 36.4 | 19.4 | 39.4 | 4 | 33.2 | 1 | 24.0 | 6 | 17.2 | 3 |
| | 11-20 | 06.1 | 05.7 | 02.8 | 03.7 | 21.1 | 27.3 | 34.6 | 29.6 | 36.2 | 18.8 | 38.6 | 20 | 34.5 | 13 | 21.4 | 20 | 17.4 | 16 |
| | 21-30 | 05.3 | 04.8 | 01.4 | 01.4 | 24.2 | 29.2 | 37.4 | 31.5 | 38.7 | 21.6 | 40.5 | 22 | 35.8 | 25 | 23.4 | 21 | 19.8 | 23 |
| | MONTH | 06.2 | 05.7 | 02.5 | 03.5 | 22.6 | 28.2 | 35.8 | 30.3 | 37.1 | 19.9 | 40.5 | 22 | 33.2 | 1 | 24.0 | 6 | 17.2 | 3 |
| **Kut Al-Hai** كوت الحي<br>Q = 32° 10 N.<br>X = 46° 03 E.<br>Hs. = 14.9 m.<br>Hb. = 16.1 m.<br>ha = 7.9 m. | 1-10 | ... | 01.6 | 00.8 | 00.9 | ... | 35.4 | 40.2 | 31.5 | 40.9 | 25.5 | 42.5 | 1 | 36.7 | 9 | 28.0 | 1 | 21.0 | 10 |
| | 11-20 | ... | 01.[illegible] | 00.4 | 00.6 | ... | 34.6 | 39.5 | 31.7 | 40.1 | 24.8 | 42.0 | 12 | 37.8 | 13 | 27.0 | 13 | 23.0 | 11,16 |
| | 21-30 | ... | 00.5 | 99.5 | 99.7 | ... | 36.5 | 42.2 | 33.1 | 43.2 | 25.9 | 44.7 | 29 | 41.4 | 21 | 28.0 | 28 | 24.0 | 24 |
| | MONTH | ... | 01.0 | 00.2 | 00.4 | ... | 35.5 | 40.6 | 32.1 | 41.4 | 25.4 | 44.7 | 29 | 36.7 | 9 | 28.0 | 1,28 | 21.0 | 10 |
| **Diwaniya** ديوانية<br>Q = 31° 59 N.<br>X = 44° 59 E.<br>Hs. = 20.4 m.<br>Hb. = 21.0 m<br>ha = 5.8 m. | 1-10 | 01.2 | 02.5 | 01.1 | 01.2 | 26.1 | 33.6 | 40.1 | 30.8 | 40.7 | 23.8 | 42.8 | 3 | 36.0 | 9 | 27.0 | 1 | 22.4 | 10 |
| | 11-20 | 00.2 | 01.7 | 00.7 | 00.8 | 25.0 | 34.0 | 39.8 | 31.6 | 40.4 | 23.0 | 41.8 | 20 | 38.3 | 13 | 26.0 | 20 | 21.0 | 15 |
| | 21-30 | 99.3 | 01.0 | 99.6 | 99.6 | 27.4 | 35.7 | 42.4 | 33.6 | 43.1 | 25.4 | 44.5 | 24 | 41.6 | 26 | 27.5 | 21 | 23.0 | 24 |
| | MONTH | 00.2 | 01.7 | 00.4 | 00.6 | 26.2 | 34.4 | 40.8 | 32.0 | 41.4 | 24.1 | 44.5 | 24 | 36.0 | 9 | 27.5 | 21 | 21.0 | 15 |
| **Nasiriya** ناصرية<br>Q = 31° 01 N.<br>X = 46° 14 E.<br>Hs. = 3.0 m.<br>Hb. = 3.7 m.<br>ha = 3.8 m. | 1-10 | 00.9 | 01.9 | 00.9 | 01.1 | 28.0 | 31.4 | 36.0 | 32.2 | 37.9 | 26.4 | 39.8 | 8 | 35.6 | 9 | 29.8 | 1 | 21.8 | 10 |
| | 11-20 | 00.2 | 01.7 | 00.9 | 00.9 | 26.1 | 31.6 | 37.9 | 31.9 | 38.5 | 24.6 | 41.4 | 19 | 34.3 | 13 | 28.4 | 12 | 21.6 | 11 |
| | 21-30 | 99.5 | 01.0 | 00.0 | 99.9 | 28.4 | 35.1 | 41.3 | 34.3 | 42.1 | 25.5 | 44.0 | 24 | 39.9 | 30 | 31.0 | 28 | 22.4 | 24 |
| | MONTH | 00.2 | 01.5 | 00.6 | 00.6 | 27.5 | 32.7 | 38.4 | 32.8 | 39.5 | 25.5 | 44.0 | 24 | 34.3 | 13 | 31.0 | 28 | 21.6 | 11 |
| **Basrah** بصره<br>Q = 30° 34 N.<br>X = 47° 47 E.<br>Hs. = 2.4 m.<br>Hb. = 15.7 m.<br>ha = 23.5 m. | 1-10 | 99.5 | 00.3 | 99.7 | 99.4 | 29.9 | 31.9 | 35.5 | 32.5 | 36.0 | 28.8 | 37.2 | 6 | 34.6 | 9 | 30.5 | 1 | 25.8 | 10 |
| | 11-20 | 99.5 | 00.1 | 00.0 | 99.9 | 29.5 | 32.1 | 36.5 | 32.1 | 37.1 | 27.8 | 38.9 | 19 | 35.5 | 13 | 30.0 | 20 | 25.6 | 17 |
| | 21-30 | 98.9 | 00.1 | 99.7 | 99.2 | 31.8 | 34.3 | 38.2 | 33.6 | 39.0 | 29.8 | 40.7 | 30 | 37.2 | 22 | 32.2 | 23 | 27.3 | 26 |
| | MONTH | 99.3 | 00.2 | 99.8 | 99.5 | 30.4 | 32.7 | 36.7 | 32.7 | 37.3 | 28.8 | 40.7 | 30 | 34.6 | 9 | 32.2 | 23 | 25.3 | 10 |

# شهر حزيران ١٩٥٤

| درجة الندى (م°) Dew Point (oC) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأثمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأثمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | هطول المطر بالمليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | أكبر كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in24(hrs.) | التاريخ Date |
| 10.6 | 12.7 | 11.7 | 11.5 | 66 | 36 | 20 | 43 | 12.9 | 14.9 | 13.7 | 13.9 | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | — |
| 10.1 | 12.7 | 9.9 | 10.5 | 55 | 32 | 18 | 34 | 12.6 | 14.8 | 12.5 | 13.0 | 0.6 | 0.4 | 1.2 | 0.7 | 1.0 | 0.6 | 1.4 | 1.0 | 0.0 | 0.0 | — |
| 11.1 | 12.6 | 9.4 | 11.5 | 56 | 30 | 15 | 31 | 13.4 | 14.8 | 12.2 | 13.1 | 0.0 | 0.2 | 1.7 | 0.5 | 0.0 | 0.3 | 1.8 | 0.6 | 0.0 | 0.0 | — |
| 10.6 | 12.7 | 10.4 | 11.2 | 59 | 33 | 18 | 36 | 13.0 | 14.8 | 12.5 | 13.3 | 0.2 | 0.2 | 1.0 | 0.4 | 0.4 | 0.3 | 1.2 | 0.5 | 6.4 | 0.0 | — |
| 5.5 | 6.9 | 3.9 | 4.8 | 32 | 21 | 13 | 23 | 9.3 | 10.1 | 8.5 | 9.4 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.8 | 0.2 | 0.0 | 0.0 | — |
| 5.5 | 7.2 | 5.9 | 6.8 | 23 | 20 | 15 | 23 | 9.1 | 10.1 | 9.5 | 10.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.4 | 0.9 | 0.2 | 0.0 | 0.0 | — |
| 5.6 | 7.4 | 6.3 | 7.0 | 25 | 18 | 14 | 21 | 9.2 | 10.7 | 9.8 | 10.1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.1 | 1.0 | 0.1 | 0.0 | 0.0 | — |
| 5.5 | 7.2 | 5.4 | 6.2 | 28 | 20 | 14 | 22 | 9.2 | 10.3 | 9.3 | 9.5 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.2 | 0.9 | 0.2 | 0.0 | 0.0 | — |
| — | 3.6 | 3.2 | 2.7 | ... | 16 | 11 | 15 | ... | 8.0 | 7.5 | 7.2 | ... | 0.0 | 0.0 | 0.0 | ... | 1.0 | 0.6 | 0.4 | 0.0 | 0.0 | — |
| — | 3.7 | 2.5 | 3.4 | ... | 15 | 10 | 16 | ... | 8.0 | 7.0 | 7.8 | ... | 0.0 | 0.5 | 0.0 | ... | 0.4 | 1.0 | 0.0 | 0.0 | 0.0 | — |
| ... | 3.1 | 4.0 | 4.0 | ... | 12 | 10 | 15 | ... | 7.7 | 8.2 | 8.3 | ... | 0.0 | 0.5 | 0.0 | ... | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | — |
| ... | 3.5 | 3.2 | 3.3 | ... | 14 | 10 | 15 | ... | 7.9 | 7.6 | 7.8 | ... | 0.0 | 0.3 | 0.0 | ... | 0.5 | 0.7 | 0.1 | 0.0 | 0.0 | — |
| 5.9 | 9.9 | 3.7 | 7.5 | 28 | 27 | 12 | 24 | 10.1 | 12.3 | 8.4 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.8 | 0.3 | 0.0 | 0.0 | — |
| 9.8 | 9.9 | 6.1 | 11.2 | 33 | 25 | 14 | 30 | 12.7 | 12.3 | 9.8 | 13.6 | 0.0 | 0.0 | 0.4 | 0.1 | 0.1 | 0.1 | 0.5 | 0.2 | 0.0 | 0.0 | — |
| 9.5 | 9.8 | 8.1 | 12.2 | 31 | 23 | 14 | 29 | 12.2 | 12.0 | 11.0 | 14.8 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | — |
| 8.4 | 9.7 | 6.0 | 10.3 | 32 | 25 | 13 | 27 | 11.7 | 12.2 | 9.7 | 13.2 | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.1 | 0.5 | 0.2 | 0.0 | 0.0 | — |
| 10.4 | 12.1 | 11.1 | 12.6 | 37 | 30 | 18 | 32 | 12.7 | 14.2 | 13.2 | 14.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.5 | 0.3 | 0.0 | 0.0 | — |
| 12.8 | 13.5 | 11.9 | 13.4 | 45 | 32 | 19 | 35 | 14.9 | 15.5 | 14.0 | 15.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.2 | 0.0 | 0.0 | — |
| 12.8 | 14.9 | 13.0 | 15.6 | 40 | 31 | 18 | 34 | 14.9 | 17.0 | 15.0 | 17.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.6 | 0.0 | 0.0 | 0.0 | — |
| 12.0 | 13.5 | 12.0 | 13.9 | 41 | 31 | 18 | 34 | 14.0 | 15.6 | 14.1 | 15.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.2 | 0.0 | 0.0 | — |
| 4.6 | 5.9 | 5.5 | 3.9 | 33 | 26 | 17 | 19 | 8.8 | 9.5 | 9.4 | 8.4 | 0.3 | 0.2 | 0.7 | 1.0 | 0.6 | 0.5 | 1.2 | 1.0 | 1.7 | 1.7 | 2 |
| 3.5 | 8.6 | 4.7 | 3.0 | 33 | 31 | 16 | 19 | 8.1 | 11.3 | 8.9 | 7.7 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | — |
| 5.5 | 11.1 | 6.2 | 6.1 | 33 | 34 | 15 | 21 | 10.1 | 13.7 | 10.0 | 9.9 | 0.0 | 0.0 | 0.7 | 0.4 | 0.0 | 0.0 | 0.7 | 0.6 | 0.0 | 0.0 | — |
| 4.5 | 8.5 | 5.5 | 4.3 | 38 | 30 | 16 | 20 | 9.0 | 11.5 | 9.4 | 8.7 | 0.1 | 0.1 | 0.5 | 0.5 | 0.2 | 0.2 | 0.7 | 0.5 | 1.7 | 1.7 | 2 |
| ... | 9.5 | 7.9 | 12.9 | ... | 22 | 15 | 33 | ... | 12.4 | 11.0 | 15.1 | ... | 0.0 | 0.0 | 0.0 | ... | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| ... | 13.5 | 11.1 | 14.7 | ... | 23 | 18 | 36 | ... | 15.6 | 13.4 | 16.7 | ... | 0.0 | 0.0 | 0.0 | ... | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| ... | 14.3 | 11.9 | 16.3 | ... | 28 | 17 | 37 | ... | 16.5 | 14.1 | 18.7 | ... | 0.0 | 0.0 | 0.0 | ... | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| ... | 12.4 | 10.3 | 14.6 | ... | 26 | 17 | 35 | ... | 14.8 | 12.8 | 16.9 | ... | 0.0 | 0.0 | 0.0 | ... | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 12.2 | 13.8 | 11.8 | 13.8 | 44 | 31 | 19 | 34 | 14.6 | 15.9 | 13.9 | 15.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 12.0 | 14.4 | 12.2 | 11.7 | 45 | 31 | 20 | 31 | 14.2 | 16.6 | 14.5 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 13.2 | 16.5 | 11.3 | 13.2 | 42 | 32 | 17 | 30 | 15.6 | 18.9 | 13.7 | 16.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 12.5 | 14.9 | 11.8 | 12.8 | 44 | 31 | 19 | 32 | 14.8 | 17.1 | 14.0 | 15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 16.3 | 18.1 | 17.8 | 18.8 | 48 | 45 | 34 | 46 | 18.5 | 20.9 | 20.7 | 22.1 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 1.7 | 0.0 | 0.0 | 0.0 | — |
| 15.6 | 17.0 | 15.6 | 19.6 | 54 | 43 | 29 | 49 | 18.0 | 19.7 | 18.8 | 23.4 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 3.5 | 0.0 | 0.0 | 0.0 | — |
| 17.4 | 16.5 | 13.4 | 20.0 | 52 | 35 | 23 | 44 | 20.2 | 19.2 | 18.1 | 23.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 16.4 | 17.2 | 15.6 | 19.5 | 51 | 41 | 29 | 46 | 18.9 | 19.9 | 19.0 | 23.1 | 0.0 | 0.3 | 1.1 | 0.0 | 0.0 | 0.3 | 1.7 | 0.0 | 0.0 | 0.0 | — |
| 20.1 | 20.2 | 21.5 | 20.9 | 57 | 51 | 45 | 51 | 23.7 | 23.9 | 26.0 | 24.9 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | — |
| 20.3 | 21.4 | 21.1 | 22.7 | 61 | 54 | 42 | 58 | 24.8 | 25.6 | 25.4 | 27.7 | 0.0 | 0.0 | 0.8 | 0.8 | 0.0 | 0.0 | 0.8 | 0.8 | 0.0 | 0.0 | — |
| 21.0 | 22.2 | 23.3 | 25.1 | 54 | 51 | 43 | 63 | 25.2 | 27.5 | 28.7 | 32.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 20.0 | 21.3 | 22.0 | 22.9 | 57 | 52 | 43 | 57 | 24.6 | 25.7 | 26.9 | 28.3 | 0.0 | 0.0 | 0.5 | 0.3 | 0.0 | 0.0 | 0.5 | 0.3 | 0.0 | 0.0 | — |

# MONTH JUNE 1954

| المحطة STATION | المدة Period | Numbers of Days. عدد الايام: مطر Rain | ثلج Snow | برد Hail | عاصفة رعدية Thunderstorms | ضباب Fog | زوبعة غبار Duststorm | الجو صحو Clear | الجو غائم Cloudy | هطول المطر بالمليمترات Rainfall (mms) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observations. 0300 (G.M.T.) شمالي N. | شمالي شرقي NE. | شرقي E | جنوبي شرقي SE | جنوبي S | جنوبي غربي SW. | غربي W. | شمالي غربي NW | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Mosul*** موصل | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 36° 19' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 2 |
| X = 43° 09' E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 6 | 3 |
| Hs. = 222.6 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 1 |
| Hb. = 228.5 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 22 | 2 |
| ha = 16.1 m. | | | | | | | | | | | | | | | | | | | | | | | |
| ***Kirkuk*** كركوك | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| X = 44° 21' E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 8 |
| Hs. = 380.8 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 8 |
| Hb. = 381.7 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 6 | 18 | 3 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| ha = 8.2 m. | | | | | | | | | | | | | | | | | | | | | | | |
| ***Khanaqin*** خانقين | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| X = 45 26 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hb. = 202.1 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | | | | | | | | | | | | | | | | | | | | | | | |
| ***Baghdad*** بغداد | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 8 |
| X = 44 24 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 7 |
| Hs. = 34.1 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 7 |
| Hb. = 40.4 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 12 | 3 | 1 | 0 | 0 | 0 | 2 | 9 | 3 | 7 |
| ha = 17.7 m. | | | | | | | | | | | | | | | | | | | | | | | |
| ***Habbaniya*** حبانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 21' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 6 |
| X = 43 04 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 2 |
| Hs. = 34.6 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 2 |
| Hb. = 44.5 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 14 | 3 |
| ha = 14.9 m. | | | | | | | | | | | | | | | | | | | | | | | |
| ***Rutba*** رطبة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 02' N. | 1–10 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 | 4 |
| X = 40 17 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 4 | 4 |
| Hs. = 615.5 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 1 | 7 |
| Hb. = 616.4 m. | MONTH | 1 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 11 | 6 | 11 | 5 |
| ha = 16.1 m. | | | | | | | | | | | | | | | | | | | | | | | |
| ***Kut Al-Hai*** كوت الحي | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 32° 10' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | — | — | — | — | — |
| X = 46 03' E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Hs. = 11.9 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Hb = 16.1 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | — | — | — | — | — |
| ha = 7.9 m, | | | | | | | | | | | | | | | | | | | | | | | |
| ***Diwaniya*** الديوانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 9 |
| X = 44 59 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 4 |
| Hs. = 0.4 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 7 |
| Hb. = 21.0 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 1 | 0 | 17 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 3 | 7 |
| ha = 5.8 m. | | | | | | | | | | | | | | | | | | | | | | | |
| ***Nasiriya*** ناصرية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 10 |
| X = 46 14 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 3 | 3 | 0 | 7 |
| Hs. = 3.0 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 6 |
| Hb. = 3.7 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 4 | 23 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 2 | 1 | 7 | 8 | 4 | 8 |
| ha = 6.8 m. | | | | | | | | | | | | | | | | | | | | | | | |
| ***Basra*** بصرة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 30° 34' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 12 |
| X = 47 47 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 7 |
| Hs = 2.3 m. | 21–30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | 5 | 0 | 6 |
| Hb = 13.7 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 3 | 27 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 10 | 16 | 0 | 8 |
| ha = 23.5 m. | | | | | | | | | | | | | | | | | | | | | | | |

# شهر حزيران ١٩٥٤

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

| 0600 (G.M.T.) | | | | | | | | | | 1200 (G.M.T.) | | | | | | | | | | 1800 (G.M.T.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| شمالي N. | شمالي شرقي NE | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW | هادئ C. | معدل السرعة بالعقد Vk | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
| 4 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 0 | 8 | 1 | 2 | 1 | 0 | 0 | 1 | 3 | 2 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 6 | 2 |
| 2 | 3 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 4 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | 8 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 5 | 6 |
| 5 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 5 | 1 | 2 | 1 | 0 | 0 | 3 | 0 | 1 | 2 | 8 | 0 | 1 | 0 | 0 | 0 | 5 | 1 | 0 | 3 | 15 |
| 11 | 4 | 3 | 0 | 0 | 0 | 2 | 7 | 3 | 6 | 6 | 5 | 4 | 1 | 0 | 5 | 3 | 4 | 2 | 9 | 2 | 2 | 0 | 0 | 0 | 7 | 5 | 0 | 14 | 5 |
| 2 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 1 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 5 |
| 1 | 1 | 2 | 0 | 0 | 1 | 3 | 2 | 0 | 7 | 2 | 1 | 0 | 0 | 1 | 0 | 4 | 1 | 1 | 11 | 3 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 5 |
| 1 | 2 | 0 | 1 | 0 | 0 | 2 | 1 | 3 | 5 | 1 | 0 | 0 | 0 | 2 | 0 | 5 | 1 | 1 | 7 | 2 | 0 | 1 | 0 | 0 | 1 | 3 | 1 | 2 | 4 |
| 4 | 3 | 2 | 1 | 1 | 2 | 6 | 6 | 5 | 5 | 3 | 1 | 0 | 0 | 3 | 0 | 14 | 5 | 3 | 8 | 9 | 2 | 1 | 0 | 0 | 1 | 10 | 3 | 4 | 5 |
| 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 9 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 7 | 1 |
| 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 2 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 5 | 2 |
| 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 5 | 0 | 9 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 5 | 2 |
| 3 | 1 | 4 | 0 | 1 | 0 | 1 | 0 | 20 | 2 | 3 | 0 | 0 | 0 | 1 | 1 | 16 | 9 | 0 | 9 | 3 | 0 | 2 | 0 | 2 | 0 | 3 | 3 | 17 | 2 |
| 5 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 5 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 8 | 0 | 2 | 0 | 0 | 1 | 0 | 3 | 4 | 0 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 3 |
| 2 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 9 | 3 | 2 | 1 | 1 | 1 | 0 | 2 | 0 | 0 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 3 |
| 11 | 0 | 0 | 0 | 0 | 0 | 2 | 16 | 1 | 9 | 5 | 5 | 1 | 1 | 2 | 0 | 7 | 9 | 0 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 13 | 4 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 2 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 |
| 2 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 0 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 2 |
| 10 | 1 | 0 | 0 | 0 | 0 | 0 | 13 | 1 | 9 | 7 | 0 | 0 | 0 | 0 | 1 | 2 | 20 | 0 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 15 | 3 |
| 2 | 1 | 1 | 0 | 0 | 0 | 3 | 9 | 1 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 7 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 6 | 0 | 1 | 0 | 1 | 1 | 1 | 5 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 4 | 5 |
| 2 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 7 | 1 | 0 | 0 | 0 | 1 | 3 | 4 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 3 | 4 |
| 3 | 1 | 1 | 0 | 0 | 0 | 6 | 11 | 3 | 7 | 3 | 2 | 0 | 1 | 2 | 4 | 12 | 2 | 4 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 10 | 8 | 9 | 5 |
| 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 7 |
| 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 3 | 0 | 9 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 3 | 0 | 5 |
| 0 | 0 | 0 | 0 | 0 | 1 | 15 | 14 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 19 | 10 | 0 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 19 | 10 | 0 | 5 |
| 5 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 5 |
| 4 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 | 12 | 3 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 4 |
| 4 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 7 | 3 | 0 | 0 | 1 | 0 | 0 | 5 | 1 | 0 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 4 |
| 13 | 0 | 0 | 0 | 2 | 0 | 14 | 3 | 0 | 9 | 9 | 0 | 0 | 1 | 0 | 0 | 15 | 5 | 0 | 11 | 13 | 1 | 0 | 0 | 0 | 0 | 12 | 2 | 3 | 4 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 10 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 7 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 10 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 4 | 0 | 10 | 5 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 5 |
| 5 | 0 | 0 | 0 | 0 | 0 | 1 | 24 | 0 | 10 | 10 | 1 | 1 | 0 | 0 | 0 | 1 | 17 | 0 | 11 | 12 | 0 | 1 | 0 | 0 | 1 | 2 | 14 | 0 | 7 |
| 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 12 |
| 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 11 | 2 | 0 | 0 | 0 | [illegible] | 0 | 5 | 3 | 0 | 8 |
| 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 4 | 5 |
| 0 | 0 | 0 | 0 | 0 | 0 | 17 | 13 | 0 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 18 | 0 | 10 | 4 | 0 | 1 | 0 | [illegible] | 0 | 12 | 9 | 4 | 8 |

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha (متر Meters) | الارتفاع Height Ha (متر Meters) | DISTRIBUTION OF WIND توزيع الريح: اكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | استدامة Duration (ساعات hrs.) | ٢١ الى ٣٥ عقدة 21–35 Kts. عدد الايام No. of days | DURATION استدامة: ساعات hrs. | ١١–٢٠ عقدة 11–20 Kts. ساعات hrs. | ٤–١٠ عقدة 4–10 Kts. ساعات hrs. | أقل من ٤ عقد < 4 kts. ساعات hrs. | لاقيد No. Record ساعات hrs. | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind. الاتجاه Veer, From N درجات deg. | السرعة Speed. عقدة Knots | الساعة المنتهي فيها Hour end at ي d. س h. | أعلى عصفة Highest Gust, السرعة Speed. عقدة Knots | الوقت Time ي d. س h. د m. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | ... | 2 | 4 | 175 | 429 | 112 | 0 | 310 | 23 | 13 | 35 | 13 14 15 |

## ADDITIONAL DATA — معلومات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun Shine (hours) | درجة حرارة الارض Temperature of Earth. على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days. الصقيع الارضي Ground from. | النهاية العظمى الصغرى أقل من ١- Min 1- < | أكثر من ١٨ Max 18 < | عدد مرات كون الغيم اكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 300 Meters. |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 385.8 | 12.9 | 30.5 | 25.0 | ... | 0 | 26 | 8 | 0 |
| KIRKUK ... | — | ... | 27.3 | 25.6 | ... | 0 | 2 | 0 | 0 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 5 | 2 | 0 |
| BAGHDAD ... | 394.5 | 18.8 | 32.9 | 23.2 | ... | 0 | 0 | 1 | 0 |
| HABBANIYA ... | 382.9 | 22.3 | 34.4 | 29.9 | ... | 0 | 0 | 5 | 0 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 21 | 0 | 0 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 0 | 4 | 0 |
| DIWANIYA ... | ... | ... | ... | ... | — | 0 | 0 | 3 | 0 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 |
| BASRA ... | 398.2 | 22.8 | ... | ... | 23.7 | 0 | 0 | 0 | 0 |

قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية — 3 Hourly Values of Temp °C and Relative Himidity %

| المحطة STATION | | الوقت كرينتش Time G.M.T. 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | الحرارة Temperature | 19.7 | 19.9 | 31.3 | 36.7 | 39.9 | 37.5 | 28.3 | 22.6 |
| | الرطوبة Humidity | 59 | 61 | 33 | 20 | 17 | 21 | 36 | 53 |
| KIRKUK ... | الحرارة Temperature | 25.5 | 25.6 | 33.7 | 37.2 | 38.5 | 37.3 | 30.8 | 27.7 |
| | الرطوبة Humidity | 23 | 29 | 20 | 16 | 14 | 15 | 23 | 26 |
| KHANAQIN ... | الحرارة Temperature | ... | 23.9 | 34.8 | ... | 40.2 | 38.5 | 33.1 | ... |
| | الرطوبة Humidity | .. | 25 | 14 | ... | 10 | 9 | 15 | ... |
| BAGHDAD ... | الحرارة Temperature | 27.8 | 25.3 | 32.7 | 38.2 | 40.3 | 39.0 | 31.9 | 30.1 |
| | الرطوبة Humidity | 32 | 36 | 25 | 16 | 13 | 15 | 27 | 28 |
| HABBANIYA ... | الحرارة Temperature | 26.5 | 25.3 | 33.1 | 39.3 | 40.9 | 39.8 | 32.4 | 29.1 |
| | الرطوبة Humidity | 41 | 43 | 31 | 21 | 18 | 20 | 34 | 37 |
| RUTBAH ... | الحرارة Temperature | 22.6 | 21.3 | 26.2 | 33.4 | 35.6 | 35.4 | 30.3 | 25.7 |
| | الرطوبة Humidity | 33 | 39 | 30 | 21 | 16 | 16 | 20 | 23 |
| KUT-AL-HAI ... | الحرارة Temperature | ... | 23.8 | 35.5 | 40.1 | 40.6 | 37.8 | 33.1 | ... |
| | الرطوبة Humidity | ... | 44 | 26 | 17 | 17 | 22 | 35 | ... |
| DIWANIYA ... | الحرارة Temperature | 26.2 | 26.1 | 34.5 | 39.4 | 40.9 | 38.6 | 32.0 | 29.2 |
| | الرطوبة Humidity | 44 | 49 | 32 | 21 | 18 | 21 | 32 | 37 |
| NASIRIYA ... | الحرارة Temperature | 27.5 | 27.2 | 32.7 | 37.2 | 38.4 | 36.5 | 32.7 | ... |
| | الرطوبة Humidity | 51 | 49 | 41 | 34 | 29 | 35 | 47 | ... |
| BASRA ... | الحرارة Temperature | 30.4 | 29.3 | 32.7 | 34.8 | 36.8 | 35.5 | 32.7 | 31.3 |
| | الرطوبة Humidity | 57 | 60 | 52 | 50 | 43 | 46 | 56 | 59 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS.

## معدلات مطل الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long (E) درجة Deg. | دقيقة Min. | هطول المطر بالملمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالملمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالملمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo .... | 37 | 08 | 42 | 41 | 0.0 | Sulaimanya ... | 35 | 33 | 45 | 25 | 0.0 | Hilla ... | 32 | 29 | 44 | 26 | 0.0 |
| Amadia ... | 37 | 05 | 43 | 30 | 0.0 | Chamchamal ... | 35 | 32 | 44 | 51 | 0.0 | Hit .... | 33 | 4 | 42 | 55 | 0.0 |
| Aqra ... | 36 | 45 | 43 | 53 | 0.0 | Penjwin ... | 35 | 37 | 45 | 58 | 0.0 | Hindiya ... | 32 | 42 | 44 | 17 | 0.0 |
| Duhok ... | 36 | 52 | 43 | 02 | 0.0 | Halabja ... | 35 | 11 | 45 | 59 | 0.0 | Karbal ... | 32 | 37 | 44 | 01 | 0.0 |
| Sanat ... | 36 | 47 | 42 | 48 | 0.0 | Chwarta ... | 35 | 44 | 45 | 33 | 0.0 | Anah ... | 32 | 28 | 41 | 57 | 0.0 |
| Sarsank ... | 36 | 53 | 43 | 32 | 0.0 | Bakrajo ... | 35 | 34 | 45 | 23 | 0.0 | Samawa ... | 31 | 20 | 45 | 15 | 0.0 |
| Sijar ... | 36 | 19 | 41 | 50 | 0.0 | Iftikhar ... | 35 | 03 | 44 | 27 | 0.0 | Kut ... | 32 | 30 | 45 | 45 | 0.0 |
| Telafar ... | 36 | 22 | 42 | 28 | 0.0 | Al-Mansur .... | 34 | 05 | 44 | 58 | 0.0 | Qala't Sukar ... | 31 | 52 | 46 | 05 | 0.0 |
| Arbil ... | 36 | 11 | 44 | 00 | 0.0 | Tuz ... | 34 | 50 | 44 | 30 | 0.0 | A'mara ... | 31 | 51 | 47 | 10 | 0.0 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 0.0 | Jalawla .... | 34 | 16 | 45 | 09 | 0.0 | Bida'a ... | 31 | 05 | 45 | 55 | 0.0 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | 0.0 | Mandily ... | 33 | 45 | 45 | 33 | 0.0 | Ur ... | 30 | 58 | 46 | 05 | 0.0 |
| Rayat ... | 36 | 41 | 44 | 57 | 0.0 | Samarra ... | 34 | 11 | 45 | 50 | 0.0 | Fao ... | 29 | 59 | 48 | 30 | 0.0 |

## NOTES ON TABLES

***Mean Air Pressure.***— Is expressed in the millibars, the initial 6 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0600 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all abservation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** ;

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office, Air Ministry London.

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالميليبارات مع حذف ٩ أو ١٠ من اليسار والميليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥ . لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق . ان ارتفاع بصلات المحاريز ١٫٣ متر فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف المقدار الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كريتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠ متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/١ والايام الغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨/٧ أو ٨/٨ .

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≥ ٨ اذا كان الريح مساويا الى هذين المقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح ( الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كريتج = وقت بغداد المحلي - ٣ ساعات

ان معدلات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر بإذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.**

**التقرير الجوي الشهري**

**JULY 1954**

**تموز ١٩٥٤**

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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WEATHER BUREAU

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) (درجات مئوية) (درجات الحرارة م°) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل<br>Q = 35° 28' N.<br>λ = 44° 24' E.<br>Es. = 223.6 m.<br>Hb. = 233.5 m.<br>ha = 13.2 m. | 1-10 | 00.0 | 00.1 | 97.8 | 98.3 | 23.4 | 34.8 | 42.8 | 33.6 | 43.7 | 21.0 | 45.7 | 6 | 41.5 | 9 | 24.8 | 6 | 18.7 | 10 |
| | 11-20 | 99.8 | 00.1 | 97.9 | 98.7 | 26.3 | 35.8 | 44.2 | 32.5 | 45.1 | 23.5 | 47.6 | 20 | 42.5 | 12 | 29.3 | 12 | 17.0 | 17 |
| | 21-31 | 98.0 | 93.6 | 96.2 | 97.4 | 24.3 | 34.5 | 43.7 | 32.1 | 44.7 | 22.1 | 46.6 | 21 | 43.7 | 22,26 | 28.8 | 26 | 18.1 | 29 |
| | MONTH | 99.3 | 99.6 | 97.3 | 98.1 | 24.7 | 34.9 | 43.6 | 32.7 | 44.5 | 22.2 | 47.6 | 20 | 41.5 | 9 | 29.3 | 12 | 17.0 | 17 |
| **Kirkuk** كركوك<br>Q = 35° 78' N.<br>λ = 44° 24' E.<br>Es. = 330.8 m.<br>Hb. = 341.7 m.<br>ha = 8.2 m. | 1-10 | 97.7 | 97.5 | 95.6 | 96.9 | 28.7 | 35.7 | 40.7 | 33.5 | 41.1 | 26.5 | 43.0 | 5 | 39.6 | 9 | 31.0 | 4 | 24.6 | 10 |
| | 11-20 | 97.4 | 97.2 | 95.4 | 96.6 | 33.8 | 37.0 | 42.6 | 35.2 | 43.0 | 28.6 | 45.5 | 20 | 40.4 | 11 | 31.8 | 13 | 22.8 | 17 |
| | 21-31 | 95.7 | 96.0 | 94.2 | 95.7 | 31.0 | 37.1 | 42.1 | 34.2 | 42.7 | 23.8 | 44.2 | 21 | 41.5 | 24 | 32.8 | 26 | 26.8 | 28 |
| | MONTH | 96.9 | 96.9 | 95.1 | 96.4 | 31.2 | 36.6 | 41.8 | 34.3 | 42.8 | 28.0 | 45.5 | 20 | 39.6 | 9 | 32.8 | 26 | 23.8 | 17 |
| **Khoneqin** خانقين<br>Q = 34° 18 N.<br>λ = 45° 26 E.<br>Es. = 201.2 m.<br>Hb. = 207.1 m.<br>ha = 6.1 m. | 1-10 | ... | 97.0 | 95.7 | 97.0 | ... | 37.3 | 42.5 | 36.0 | 43.4 | 26.0 | 45.6 | 5 | 42.2 | 9 | 29.4 | 4 | 24.4 | 8,9 |
| | 11-20 | ... | 96.8 | 95.1 | 96.6 | ... | 38.8 | 45.2 | 38.8 | 46.1 | 28.8 | 48.9 | 20 | 43.[illegible] | 11 | 33.9 | 12 | 22.8 | 17 |
| | 21-31 | ... | 96.0 | 94.5 | 96.1 | ... | 38.3 | 44.1 | 37.5 | 45.0 | 28.6 | 47.8 | 21 | 42.3 | 23 | 32.8 | 26 | 25.5 | 28 |
| | MONTH | ... | 96.6 | 95.1 | 96.6 | ... | 38.1 | 43.9 | 37.4 | 44.8 | 27.8 | 48.9 | 20 | 42.2 | 9 | 33.9 | 12 | 22.8 | 17 |
| **Baghdad** بغداد<br>Q = 33° 23' N.<br>λ = 44° 24' E.<br>Es. = 34.1 m.<br>Hb. = 40.4 m.<br>ha = 7.7 m. | 1-10 | 97.8 | 99.4 | 97.0 | 97.8 | 29.7 | 34.2 | 42.2 | 34.3 | 42.8 | 25.7 | 44.1 | 5 | 41.3 | 10 | 30.0 | 3 | 22.2 | 8 |
| | 11-20 | 96.9 | 98.3 | 96.9 | 96.3 | 30.0 | 34.8 | 44.0 | 35.6 | 44.5 | 26.4 | 47.5 | 20 | 42.4 | 18 | 30.7 | 12 | 23.5 | 17 |
| | 21-31 | 95.9 | 97.7 | 96.3 | 96.5 | 30.0 | 34.9 | 43.3 | 34.9 | 44.0 | 26.4 | 45.3 | 21 | 42.4 | 22 | 27.0 | 22 | 24.4 | 23 |
| | MONTH | 96.9 | 98.5 | 96.7 | 96.9 | 29.9 | 34.6 | 43.2 | 34.7 | 43.8 | 26.2 | 47.5 | 20 | 41.3 | 10 | 30.7 | 12 | 22.2 | 8 |
| **Habbaniyah** حبانية<br>Q = 33° 22' N.<br>λ = 43° 2[illegible] E.<br>Es. = 43.6 m.<br>Hb. = 41.5 m.<br>ha = 14.9 m. | 1-10 | 97.9 | 99.1 | 98.0 | 97.4 | 23.6 | 34.6 | 42.9 | 34.8 | 43.4 | 26.4 | 45.6 | 3 | 41.6 | 9,10 | 29.4 | 4 | 24.4 | 7,8 |
| | 11-20 | 97.3 | 98.9 | 97.1 | 97.1 | 29.6 | 35.3 | 45.0 | 36.2 | 45.5 | 27.7 | 47.8 | 20 | 43.9 | 11,16,17 | 29.4 | 13,20 | 25.5 | 17 |
| | 21-31 | 96.1 | 97.8 | 96.3 | 96.3 | 30.3 | 35.0 | 44.7 | 35.5 | 45.2 | 27.9 | 47.2 | 31 | 42.2 | 22 | 30.0 | 23 | 25.5 | 25 |
| | MONTH | 97.1 | 97.6 | 97.1 | 96.9 | 31.5 | 35.0 | 44.2 | 35.5 | 44.7 | 27.4 | 47.8 | 20 | 41.6 | 9,10 | 30.0 | 23 | 24.4 | 7,8 |
| **Rutba** رطبة<br>Q = 33° 02 N.<br>λ = 40° 17 E.<br>Es. = 615.5 m.<br>Hb = 616.4 m.<br>ha = 16.1 m. | 1-10 | 01.3 | 03.3 | 01.1 | 01.1 | 25.0 | 31.6 | 37.6 | 31.6 | 38.7 | 23.2 | 40.5 | 1 | 36.6 | 9 | 24.5 | 2 | 19.9 | 5 |
| | 11-20 | 01.6 | 03.4 | 00.7 | 01.0 | 25.4 | 31.6 | 40.2 | 33.1 | 41.2 | 23.1 | 43.0 | 20 | 39.8 | 11 | 25.3 | 20 | 21.7 | 14 |
| | 21-31 | 99.0 | 99.9 | 98.6 | 98.8 | 25.6 | 31.4 | 39.8 | 33.3 | 40.7 | 21.0 | 42.2 | 21 | 38.3 | 22 | 28.4 | 25 | 21.0 | 29 |
| | MONTH | 00.6 | 01.5 | 00.1 | 00.3 | 25.3 | 30.9 | 39.3 | 32.7 | 40.2 | 23.1 | 43.0 | 20 | 36.6 | 9 | 28.4 | 25 | 19.9 | 5 |
| **Kut Al-Hai** كوت الحي<br>Q = 32° 10 N.<br>λ = 46° 03 E.<br>Es. = 14.9 m.<br>Hb. = 16.1 m.<br>ha = 7.9 m. | 1-10 | ... | 97.8 | 96.9 | 97.1 | ... | 35.4 | 43.8 | 33.7 | 43.2 | 26.2 | 45.0 | 3 | 40.0 | 10 | 28.8 | 5 | 24.1 | 8 |
| | 11-20 | ... | 97.2 | 96.5 | 96.5 | ... | 36.9 | 44.5 | 35.0 | 45.1 | 27.8 | 48.8 | 20 | 42.8 | 11 | 31.0 | 15 | 26.0 | 18,19 |
| | 21-30 | ... | 96.9 | 95.9 | 96.2 | ... | 35.6 | 44.6 | 35.4 | 45.2 | 27.5 | 46.2 | 21 | 44.0 | 23 | 23.2 | 29 | 26.1 | 30 |
| | MONTH | ... | 97.3 | 96.4 | 96.5 | ... | 35.9 | 44.0 | 34.7 | 44.5 | 27.2 | 48.8 | 20 | 40.0 | 10 | 31.0 | 15 | 24.1 | 8 |
| **Diwaniya** ديوانية<br>Q = 31° 59 N.<br>λ = 44° 59 E.<br>Es. = 20.4 m.<br>Hb. = 21.0 m.<br>ha = 5.8 m. | 1-10 | 96.9 | 98.4 | 97.4 | 97.1 | 29.3 | 35.0 | 43.8 | 34.1 | 43.5 | 25.8 | 45.0 | 3,4 | 40.9 | 10 | 28.3 | 4 | 23.1 | 10 |
| | 11-20 | 95.1 | 97.5 | 96.0 | 96.2 | 29.1 | 36.0 | 44.8 | 35.3 | 45.2 | 26.4 | 47.6 | 20 | 42.3 | 11 | 23.3 | 15 | 23.6 | 19 |
| | 21-30 | 95.1 | 96.7 | 95.4 | 95.6 | 28.7 | 36.3 | 44.9 | 35.0 | 45.3 | 25.7 | 46.7 | 27 | 42.5 | 22 | 27.8 | 25 | 22.7 | 23 |
| | MONTH | 96.0 | 97.5 | 96.3 | 96.3 | 29.7 | 35.8 | 44.2 | 34.8 | 44.7 | 26.0 | 47.6 | 20 | 40.9 | 10 | 28.3 | 4,15 | 22.7 | 23 |
| **Nasiriya** ناصرية<br>Q = 31° 01 N.<br>λ = 46° 18 E.<br>Es. = 3.0 m.<br>Hb. = 3.7 m.<br>ha = 8.8 m. | 1-10 | 97.0 | 98.4 | 97.2 | 97.3 | 29.2 | 33.8 | 41.7 | 34.5 | 42.5 | 25.3 | 45.3 | 3 | 38.4 | 10 | 28.9 | 6 | 24.2 | 8 |
| | 11-20 | 96.3 | 97.7 | 96.4 | 96.4 | 29.1 | 34.2 | 42.6 | 34.7 | 44.1 | 26.9 | 47.3 | 20 | 38.4 | 11 | 30.0 | 13 | 24.5 | 15 |
| | 21-30 | 95.6 | 97.4 | 96.0 | 96.3 | 30.2 | 36.2 | 43.9 | 35.3 | 44.7 | 27.7 | 47.0 | 23 | 42.6 | 28 | 29.7 | 28 | 25.5 | 23 |
| | MONTH | 96.3 | 97.8 | 96.5 | 96.7 | 29.2 | 34.7 | 42.7 | 34.8 | 44.8 | 26.8 | 47.8 | 20 | 38.4 | 10,11 | 30.0 | 13 | 24.2 | 8 |
| **Basrah** بصره<br>Q = 30° 34 N.<br>λ = 47° 47 E.<br>Es. = 2.4 m.<br>Hb. = 1.7 m.<br>ha = 23.5 m. | 1-10 | 96.0 | 97.2 | 96.8 | 96.3 | 32.2 | 34.9 | 39.0 | 34.3 | 39.6 | 31.8 | 41.3 | 1 | 37.8 | 10 | 32.2 | 6 | 29.1 | 7 |
| | 11-20 | 95.8 | 97.1 | 96.6 | 96.0 | 31.0 | 34.7 | 40.2 | 34.6 | 41.0 | 29.8 | 43.2 | 16 | 36.7 | 11 | 31.9 | 16 | 27.8 | 12 |
| | 21-30 | 95.9 | 96.4 | 96.0 | 95.8 | 32.2 | 36.1 | 41.5 | 35.3 | 42.4 | 30.6 | 44.8 | 27 | 40.8 | 23 | 32.5 | 23 | 29.0 | 23 |
| | MONTH | 95.7 | 96.9 | 96.5 | 96.0 | 31.8 | 35.2 | 40.2 | 34.7 | 41.0 | 30.7 | 44.8 | 27 | 36.7 | 11 | 32.5 | 21 | 27.8 | 12 |

# شهر تموز ١٩٥٤

| درجة الندى (م°) Dew Point (oC) G.M.T. | | | | الرطوبة النسبية بالمائة % Relative Humidity G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأثمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأثمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | هطول المطر بالمليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | الأكثر مطراً خلال ٢٤ ساعة Max. Fall in 24 (hrs) | التاريخ Date |
| 13.8 | 14.8 | 10.5 | 11.1 | 57 | 35 | 15 | 28 | 16.0 | 16.5 | 12.9 | 13.8 | 0.0 | 0.5 | 2.5 | 0.5 | 0.0 | 0.9 | 2.9 | 1.0 | TR | TR | 2 |
| 12.5 | 12.8 | 9.0 | 12.0 | 45 | 25 | 13 | 31 | 14.7 | 14.4 | 11.7 | 15.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.4 | 0.9 | 0.0 | 0.0 | 0.0 | — |
| 14.1 | 14.9 | 13.2 | 14.2 | 55 | 32 | 17 | 36 | 16.3 | 17.2 | 15.4 | 16.8 | 0.0 | 0.0 | 1.2 | 0.1 | 0.0 | 0.2 | 1.5 | 0.2 | 0.0 | 0.0 | — |
| 13.5 | 13.8 | 10.9 | 12.4 | 52 | 31 | 15 | 32 | 15.7 | 16.1 | 13.3 | 15.2 | 0.0 | 0.2 | 1.3 | 0.2 | 0.0 | 0.5 | 1.8 | 0.4 | TR | TR | 2 |
| 8.2 | 8.1 | 8.0 | 9.5 | 28 | 19 | 14 | 23 | 11.0 | 10.1 | 11.0 | 12.0 | 0.0 | 0.0 | 1.6 | 0.2 | 0.1 | 0.0 | 2.0 | 0.9 | 0.0 | 0.0 | — |
| 7.5 | 9.8 | 8.2 | 8.8 | 24 | 20 | 13 | 20 | 10.2 | 12.2 | 11.1 | 11.5 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.5 | 0.1 | 0.0 | 0.0 | — |
| 7.4 | 8.7 | 8.9 | 7.3 | 21 | 19 | 14 | 19 | 10.6 | 11.5 | 11.6 | 10.5 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | — |
| 7.7 | 8.9 | 8.4 | 8.5 | 25 | 19 | 14 | 21 | 10.6 | 11.5 | 11.2 | 11.3 | 0.0 | 0.0 | 0.7 | 0.1 | 0.0 | 0.1 | 1.0 | 0.3 | 0.0 | 0.0 | — |
| ... | 5.8 | 5.0 | 4.7 | ... | 15 | 10 | 15 | ... | 9.3 | 8.9 | 8.6 | ... | 0.0 | 1.5 | 0.0 | ... | 0.0 | 1.5 | 0.8 | 0.0 | 0.0 | — |
| ... | 7.2 | 7.8 | 6.9 | ... | 15 | 11 | 15 | ... | 10.1 | 10.6 | 10.0 | ... | 0.0 | 0.5 | 0.0 | ... | 0.0 | 0.7 | 0.2 | 0.0 | 0.0 | — |
| ... | 6.7 | 6.6 | 6.7 | ... | 15 | 11 | 15 | ... | 10.0 | 9.9 | 9.9 | ... | 0.0 | 1.9 | 0.0 | ... | 0.2 | 1.9 | 0.2 | 0.0 | 0.0 | — |
| ... | 6.6 | 6.5 | 6.1 | ... | 15 | 11 | 15 | ... | 9.8 | 9.8 | 9.5 | ... | 0.0 | 1.1 | 0.0 | ... | 0.1 | 1.4 | 0.4 | 0.0 | 0.0 | — |
| 8.4 | 12.0 | 7.9 | 10.0 | 26 | 27 | 13 | 24 | 10.8 | 14.2 | 10.9 | 12.8 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.4 | 0.9 | 0.5 | 0.0 | 0.0 | — |
| 9.3 | 11.4 | 9.9 | 12.1 | 31 | 26 | 15 | 27 | 12.7 | 14.1 | 12.9 | 15.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 12.6 | 13.7 | 12.6 | 15.2 | 37 | 29 | 18 | 32 | 15.3 | 15.0 | 14.9 | 17.9 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | — |
| 10.1 | 12.4 | 10.1 | 12.4 | 31 | 27 | 15 | 28 | 12.9 | 14.4 | 12.9 | 15.2 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.2 | 0.4 | 0.2 | 0.0 | 0.0 | — |
| 11.2 | 13.5 | 8.6 | 12.5 | 36 | 28 | 13 | 26 | 13.4 | 15.5 | 11.3 | 14.5 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.7 | 1.1 | 0.5 | TR | TR | 3 |
| 11.3 | 14.1 | 11.0 | 13.9 | 32 | 28 | 14 | 23 | 13.5 | 16.2 | 13.3 | 15.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 12.3 | 13.8 | 10.8 | 15.9 | 34 | 23 | 14 | 24 | 14.4 | 15.8 | 13.0 | 18.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | — |
| 11.9 | 13.8 | 10.2 | 14.1 | 34 | 23 | 14 | 26 | 14.0 | 15.8 | 12.5 | 16.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | TR | TR | 3 |
| 8.5 | 12.1 | 7.5 | 6.7 | 34 | 35 | 18 | 22 | 11.7 | 14.6 | 11.6 | 10.6 | 0.2 | 0.1 | 1.4 | 0.1 | 0.2 | 0.2 | 1.4 | 0.4 | 0.0 | 0.0 | — |
| 7.5 | 7.9 | 4.2 | 3.8 | 32 | 23 | 12 | 15 | 10.7 | 10.8 | 8.6 | 8.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | — |
| 5.5 | 7.5 | 6.1 | 5.4 | 26 | 26 | 13 | 20 | 9.5 | 10.8 | 9.6 | 9.2 | 0.0 | 0.0 | 0.2 | 0.4 | 0.0 | 0.0 | 0.2 | 0.4 | 0.0 | 0.0 | — |
| 7.2 | 9.2 | 5.9 | 5.3 | 31 | 28 | 14 | 19 | 10.6 | 12.1 | 9.9 | 9.4 | 0.1 | 0.0 | 0.5 | 0.2 | 0.1 | 0.1 | 0.5 | 0.4 | 0.0 | 0.0 | — |
| ... | 17.7 | 16.1 | 18.3 | ... | 36 | 22 | 41 | ... | 20.5 | 18.7 | 21.0 | ... | 0.0 | 0.1 | 0.0 | ... | 0.5 | 0.2 | 0.1 | 0.0 | 0.0 | — |
| ... | 15.8 | 12.6 | 17.0 | ... | 33 | 17 | 36 | ... | 19.4 | 15.3 | 19.6 | ... | 0.0 | 0.0 | 0.0 | ... | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | — |
| ... | 19.2 | 11.7 | 15.2 | ... | 40 | 14 | 31 | ... | 22.8 | 13.5 | 17.4 | ... | 0.0 | 0.3 | 0.0 | ... | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | — |
| ... | 17.6 | 13.5 | 16.8 | ... | 36 | 18 | 36 | ... | 20.8 | 15.8 | 19.3 | ... | 0.0 | 0.1 | 0.0 | ... | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | — |
| 14.5 | 19.2 | 14.9 | 15.5 | 43 | 35 | 20 | 34 | 16.9 | 19.8 | 17.1 | 18.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 | 0.3 | 0.5 | 0.0 | 0.0 | 0.0 | — |
| 13.9 | 17.1 | 14.3 | 15.8 | 46 | 34 | 13 | 35 | 18.4 | 19.8 | 16.6 | 19.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 15.2 | 18.2 | 16.2 | 16.5 | 46 | 33 | 17 | 35 | 17.7 | 21.4 | 18.9 | 19.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | — |
| 15.2 | 18.2 | 15.1 | 16.3 | 45 | 36 | 19 | 35 | 17.7 | 20.3 | 17.5 | 19.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | — |
| 17.1 | 16.4 | 15.8 | 19.2 | 51 | 39 | 23 | 39 | 20.0 | 20.1 | 18.5 | 22.5 | 0.0 | 0.0 | 1.1 | 0.0 | 0.4 | 0.4 | 1.2 | 0.2 | 0.0 | 0.0 | — |
| 26.0 | 17.0 | 15.0 | 21.4 | 52 | 38 | 22 | 47 | 21.2 | 19.8 | 17.9 | 25.9 | 0.0 | 0.0 | 0.8 | 0.8 | 0.0 | 0.0 | 0.8 | 0.9 | 0.0 | 0.0 | — |
| 19.6 | 18.3 | 17.7 | 22.6 | 53 | 38 | 24 | 47 | 23.6 | 22.4 | 21.0 | 28.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.2 | 0.5 | 0.0 | TR | TR | 80 |
| 20.9 | 17.2 | 16.9 | 21.1 | 52 | 38 | 23 | 44 | 21.6 | 20.8 | 19.1 | 25.1 | 0.0 | 0.0 | 0.7 | 0.3 | 0.0 | 0.2 | 0.8 | 0.4 | TR | TR | 80 |
| 23.2 | 22.4 | 2 .9 | 25.6 | 60 | 49 | 43 | 59 | 28.9 | 27.4 | 30.1 | 31.3 | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | — |
| 23.8 | 23.0 | 21.4 | 25.2 | 67 | 52 | 36 | 59 | 30.1 | 28.6 | 26.0 | 32.4 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | — |
| 25.8 | 25.4 | 25.1 | 26.5 | 70 | 56 | 41 | 62 | 33.6 | 33.1 | 32.4 | 35.3 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | — |
| 24.3 | 23.6 | 23.5 | 26.1 | 66 | 52 | 40 | 60 | 30.9 | 29.7 | 29.5 | 35.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | — |

| المحطة STATION | المدة Period | Numbers of Days. عدد الأيام: مطر Rain | ثلج Snow | برد Hail. | عاصفة رعدية Thunderstorms. | ضباب Fog. | زوبعة غبار Duststorm | الجو صحو Clear. | الجو غائم Cloudy. | هطول المطر بالميلمترات Rainfall (mms) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind Number of Observations. 0300 (G.M.T.): شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE | جنوبي S | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Mosul* موصل Q = 36° 19' N. X = 43° 09' E. Hs. = 222.6 m. Hb. = 223.5 m. ha = 11.1 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 2 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 6 | 4 |
| | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 3 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 2 | 1 | 24 | 2 |
| *Kirkuk* كركوك Q = 35° 28' N. X = 44° 23' E. Hs. = 330.2 m. Hb. = 331.7 m. ha = 8.2 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 2 | 23 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| *Khanaqin* خانقين Q = 34° 18' N. X = 45° 26' E. Hs. = 201.2 m. Hb. = 200.1 m. ha = 6.1 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 3 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 2 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 5 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| *Baghdad* بغداد Q = 33° 20' N X = 44° 24' E. H . = 34.1 m. H . = 44.4 m. ha = 17.7 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 8 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 5 |
| | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 2 | 5 |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 1 | 0 | 6 | 3 | 0 | 0 | 2 | 0 | 0 | 14 | 5 | 6 |
| *Habbaniya* حبانية Q = 33° 21' N. X = 43° 34' E. Hs. = 34.6 m. Hb. = 41.5 m. ha = 14.9 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 5 |
| | 11—21 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 6 |
| | 21—1 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 10 | 5 | 4 | 6 |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 15 | 11 | 6 |
| *Rutba* رطبة Q = 33° 02' N. X = 40° 17' E. Hs. = 615.5 m. Hb. = 616.4 m. ha = 16.1 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 1 | 8 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 3 | 6 |
| | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 7 | 1 | 1 | 9 |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 15 | 7 | 5 | 8 |
| *Kut Al-Hai* كوت الحي Q = 32° 17' N. X = 46° 03' E. H = 11.9 m. Hb = 16.1 m. ha = 7.9 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | — | — | — | — | — |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | — | — | — | — | — |
| *Diwaniya* الديوانية Q = 31° 59' N. X = 44° 59' E. H . = 0.4 m. H . = 1.0 m. ha = 5.8 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 6 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 6 | 1 | 0 | 7 |
| | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 5 |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 2 | 0 | 9 | 1 | 1 | 0 | 1 | 0 | 13 | 2 | 4 | 6 |
| *Nasiriya* ناصرية Q = 31° 01' N. X = 46° 14' E. H . = 3.0 m. H = 3.7 m. ha = 8.8 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 0 | 7 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 1 | 1 | 4 | 0 | 7 |
| | 21—31 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 1 | 5 | 0 | 6 |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 4 | 29 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 3 | 1 | 1 | 4 | 4 | 11 | 0 | 7 |
| *Basra* بصرة Q = 30° 34' N. X = 47° 47' E. H = 2.0 m. H = 14.0 m. h = 3.5 m. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 6 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 4 | 1 | 2 | 3 |
| | 21—31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 2 | 1 | 3 | 4 |
| | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 2 | 1 | 12 | 6 | 5 | 4 |

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

0600 (G.M.T.)

| شمالي N. | شمالي شرقي NE | شرقي E | جنوبي شرقي SE | جنوبي S | جنوبي غربي SW | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 6 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 7 |
| 5 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 7 |
| 2 | 2 | 1 | 1 | 0 | 0 | 1 | 2 | 1 | 7 |
| 13 | 4 | 2 | 1 | 0 | 0 | 2 | 7 | 2 | 7 |
| 2 | 4 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 6 |
| 0 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 8 |
| 8 | 0 | 2 | 1 | 8 | 0 | 6 | 2 | 0 | 10 |
| 5 | 6 | 3 | 4 | 6 | 1 | 1 | 4 | 1 | 8 |
| 1 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 5 | 3 |
| 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 7 |
| 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 8 | 5 |
| 2 | 1 | 7 | 0 | 2 | 0 | 0 | 1 | 18 | 5 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 10 |
| 2 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 10 |
| 3 | 1 | 0 | 0 | 1 | 0 | 1 | 4 | 1 | 10 |
| 9 | 1 | 0 | 0 | 2 | 0 | 1 | 17 | 1 | 10 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1 | 11 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 9 |
| 1 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 2 | 10 |
| 4 | 0 | 0 | 0 | 0 | 1 | 0 | 22 | 4 | 10 |
| 1 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 2 | 9 |
| 0 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 1 | 11 |
| 4 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 1 | 11 |
| 5 | 0 | 0 | 0 | 0 | 0 | 9 | 18 | 4 | 10 |
| 1 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 0 | 6 |
| 2 | 0 | 2 | 1 | 0 | 0 | 4 | 1 | 0 | 8 |
| 0 | 0 | 3 | 0 | 1 | 0 | 7 | 0 | 0 | 7 |
| 3 | 0 | 5 | 1 | 1 | 0 | 16 | 3 | 0 | 7 |
| 2 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 8 |
| 4 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 0 | 8 |
| 4 | 0 | 1 | 0 | 0 | 0 | 6 | 0 | 0 | 7 |
| 10 | 0 | 1 | 1 | 0 | 0 | 12 | 7 | 0 | 8 |
| 2 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 10 |
| 2 | 0 | 1 | 0 | 1 | 0 | 1 | 5 | 0 | 7 |
| 3 | 1 | 0 | 2 | 0 | 0 | 1 | 4 | 0 | 7 |
| 7 | 1 | 1 | 2 | 1 | 0 | 4 | 15 | 0 | 8 |
| 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 8 |
| 0 | 0 | 0 | 1 | 0 | 1 | 4 | 3 | 1 | 5 |
| 0 | 0 | 2 | 1 | 0 | 0 | 5 | 0 | 2 | 4 |
| 0 | 0 | 2 | 2 | 0 | 1 | 16 | 7 | 3 | 6 |

1200 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 5 |
| 2 | 2 | 1 | 1 | 1 | 0 | 0 | 2 | 1 | 8 |
| 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 0 | 9 |
| 8 | 6 | 2 | 8 | 4 | 2 | 1 | 3 | 2 | 7 |
| 1 | 1 | 1 | 0 | 0 | 2 | 3 | 2 | 0 | 9 |
| 1 | 2 | 0 | 0 | 2 | 2 | 3 | 0 | 0 | 7 |
| 1 | 1 | 0 | 0 | 3 | 6 | 0 | 0 | 0 | 11 |
| 3 | 4 | 1 | 0 | 5 | 10 | 6 | 2 | 0 | 9 |
| 0 | 0 | 0 | 0 | 1 | 0 | 4 | 5 | 0 | 7 |
| 1 | 0 | 0 | 0 | 2 | 0 | 5 | 2 | 0 | 13 |
| 1 | 0 | 0 | 0 | 2 | 2 | 6 | 0 | 0 | 13 |
| 2 | 0 | 0 | 0 | 5 | 2 | 15 | 7 | 0 | 11 |
| 2 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 1 | 12 |
| 3 | 2 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 9 |
| 3 | 0 | 1 | 2 | 2 | 0 | 2 | 1 | 0 | 8 |
| 8 | 2 | 1 | 3 | 4 | 0 | 4 | 8 | 1 | 10 |
| 0 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 1 | 10 |
| 2 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 1 | 11 |
| 1 | 1 | 1 | 0 | 1 | 0 | 1 | 4 | 2 | 8 |
| 3 | 1 | 1 | 0 | 1 | 1 | 3 | 17 | 4 | 10 |
| 2 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 9 |
| 1 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 13 |
| 0 | 0 | 0 | 0 | 0 | 2 | 6 | 3 | 0 | 13 |
| 3 | 0 | 0 | 0 | 0 | 2 | 13 | 10 | 0 | 12 |
| 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 0 | 9 |
| 0 | 0 | 2 | 1 | 1 | 0 | 4 | 2 | 0 | 9 |
| 0 | 0 | 2 | 0 | 1 | 0 | 2 | 6 | 0 | 9 |
| 0 | 0 | 4 | 1 | 2 | 0 | 12 | 12 | 0 | 9 |
| 2 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 11 |
| 1 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 1 | 9 |
| 1 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 2 | 8 |
| 4 | 0 | 0 | 1 | 0 | 0 | 21 | 2 | 3 | 9 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 11 |
| 3 | 1 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 10 |
| 6 | 0 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 9 |
| 15 | 1 | 4 | 3 | 0 | 0 | 0 | 8 | 0 | 10 |
| 1 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 0 | 9 |
| 4 | 1 | 0 | 1 | 0 | 0 | 2 | 2 | 0 | 5 |
| 1 | 1 | 2 | 1 | 0 | 0 | 1 | 5 | 0 | 6 |
| 6 | 2 | 2 | 2 | 0 | 0 | 6 | 13 | 0 | 7 |

1800 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E | جنوبي شرقي SE | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 8 | 9 |
| 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 4 |
| 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 8 | 2 |
| 2 | 2 | 0 | 0 | 2 | 3 | 6 | 0 | 16 | 5 |
| 2 | 2 | 0 | 0 | 0 | 1 | 3 | 1 | 1 | 4 |
| 0 | 3 | 0 | 0 | 0 | 0 | 4 | 1 | 2 | 5 |
| 1 | 3 | 3 | 0 | 0 | 1 | 1 | 0 | 2 | 5 |
| 3 | 3 | 3 | 0 | 0 | 2 | 8 | 2 | 5 | 5 |
| 1 | 0 | 0 | 0 | 2 | 0 | 2 | 3 | 2 | 5 |
| 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 4 | 5 |
| 0 | 0 | 0 | 0 | 1 | 1 | 6 | 0 | 3 | 5 |
| 2 | 0 | 1 | 1 | 4 | 1 | 9 | 4 | 9 | 5 |
| 1 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 6 |
| 0 | 0 | 0 | 1 | 0 | 0 | 1 | 4 | 4 | 5 |
| 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 | 5 | 3 |
| 1 | 1 | 0 | 2 | 1 | 0 | 4 | 11 | 11 | 5 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 4 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 5 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 16 | 4 |
| 1 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 0 | 6 |
| 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 5 | 3 |
| 2 | 1 | 0 | 0 | 0 | 1 | 4 | 1 | 2 | 7 |
| 3 | 1 | 0 | 0 | 0 | 1 | 10 | 9 | 7 | 5 |
| 0 | 0 | 0 | 0 | 0 | 0 | 7 | 3 | 0 | 6 |
| 1 | 0 | 1 | 0 | 1 | 1 | 6 | 0 | 0 | 5 |
| 2 | 1 | 0 | 1 | 2 | 0 | 4 | 1 | 0 | 4 |
| 3 | 1 | 1 | 1 | 3 | 1 | 17 | 4 | 0 | 5 |
| 5 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 6 |
| 7 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 5 |
| 4 | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 2 | 5 |
| 16 | 0 | 3 | 0 | 0 | 0 | 7 | 4 | 2 | 5 |
| 4 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 8 |
| 2 | 0 | 2 | 2 | 0 | 0 | 1 | 3 | 0 | 6 |
| 3 | 0 | 2 | 2 | 0 | [illegible] | 0 | 3 | 1 | 7 |
| 9 | 1 | 4 | 4 | 9 | 0 | 2 | 10 | 1 | 7 |
| 2 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 6 |
| 1 | 1 | 0 | 0 | 1 | 0 | 1 | 3 | 3 | 3 |
| 0 | 0 | 0 | 1 | 3 | 0 | 1 | 2 | 4 | 3 |
| 3 | 1 | 0 | 1 | 4 | 0 | 4 | 10 | 8 | 4 |

**MONTH JULY 1954**

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha متر Meters | الارتفاع Height Ha متر Meters | DISTRIBUTION OF WIND توزيع الريح: أكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | أكثر من ٣٥ عقدة > 35 Kts. استدامة Duration ساعات hrs. | ٢١ الى ٣٥ عقدة 21–35 Kts. عدد الأيام No. of days | DURATION استدامة: ٢١ الى ٣٥ عقدة 21–35 Kts. ساعات hrs. | ١١–٢٠ عقدة 11–20 Kts. ساعات hrs. | ٤–١٠ عقدة 4–10 Kts. ساعات hrs. | أقل من ٤ عقدة < 4 Kts. ساعات hrs. | لا قيد No. Record ساعات hrs. | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind: الاتجاه Veer, From N درجات deg. | السرعة Speed. عقدة Knots | الساعة المنتهي بها Hour ending at ي d. س h. | أعلى عصفة Highest Gust, السرعة Speed. عقدة Knots | الوقت Time ي d. س h. د m. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | ... | ... | ... | 153 | 419 | 162 | 10 | 320 | 20 | 10 0800 | 31 | 11 21 30 |

## ADDITIONAL DATA — مدلولات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun shine (hours) | درجة حرارة الارض Temperature of Earth. على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days. الصقيع الارضي Ground from. | النهاية العظمى الهابة الصغرى أقل من ٢١ Min < 21 | أكثر من ٤٦ Max < 46 | عدد مرات كون الغيم أكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 300 Meters. | قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية 3 Hourly Values of Temp °C and Relative Himidity % الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 386.2 | 16.9 | 34.9 | 29.4 | ... | 0 | 10 | 8 | 0 | الحرارة Temperature | 21.7 | 24.8 | 34.9 | 42.2 | 43.7 | 41.1 | 32.7 | 27.6 |
| | | | | | | | | | | الرطوبة Humidity | 63 | 55 | 31 | 19 | 15 | 20 | 32 | 42 |
| KIRKUK ... | — | ... | 31.2 | 29.4 | ... | 0 | 0 | 0 | 0 | الحرارة Temperature | 31.1 | 29.2 | 36.0 | 40.4 | 41.8 | 40.7 | 34.3 | 32.2 |
| | | | | | | | | | | الرطوبة Humidity | 25 | 27 | 19 | 15 | 14 | 14 | 21 | 24 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 0 | 5 | 0 | الحرارة Temperature | ... | 28.7 | 38.1 | ... | 44.0 | 42.8 | 37.4 | ... |
| | | | | | | | | | | الرطوبة Humidity | .. | 21 | 15 | ... | 11 | 11 | 15 | ... |
| BAGHDAD ... | 400.5 | 29.1 | 34.7 | 30.3 | ... | 0 | 0 | 1 | 0 | الحرارة Temperature | 29.9 | 26.8 | 34.7 | 40.9 | 43.2 | 42.4 | 34.7 | 32.0 |
| | | | | | | | | | | الرطوبة Humidity | 32 | 35 | 27 | 19 | 15 | 18 | 28 | 30 |
| HABBANIYA ... | 396.3 | 25.4 | 37.1 | 31.7 | ... | 0 | 0 | 8 | 0 | الحرارة Temperature | 29.5 | 28.0 | 35.0 | 42.3 | 44.2 | 43.0 | 35.5 | 31 |
| | | | | | | | | | | الرطوبة Humidity | 34 | 37 | 23 | 17 | 14 | 15 | 26 | 29 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 2 | 0 | 0 | الحرارة Temperature | 25.4 | 23.8 | 30.9 | 36.7 | 39.2 | 38.4 | 32.7 | 28.8 |
| | | | | | | | | | | الرطوبة Humidity | 31 | 38 | 28 | 18 | 14 | 14 | 18 | 21 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 0 | 2 | 0 | الحرارة Temperature | ... | 27.9 | 35.9 | 41.9 | 44.0 | 41.4 | 31.2 | ... |
| | | | | | | | | | | الرطوبة Humidity | ... | 47 | 36 | 25 | 13 | 21 | 36 | ... |
| DIWANIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 4 | 0 | الحرارة Temperature | 23.7 | 26.9 | 35.8 | 41.9 | 44.1 | 41.9 | 34.8 | 31.6 |
| | | | | | | | | | | الرطوبة Humidity | 45 | 51 | 36 | 23 | 19 | 22 | 35 | 39 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 4 | 0 | الحرارة Temperature | 29.8 | 27.9 | 34.8 | 40.4 | 42.8 | 39.9 | 34.9 | 32.4 |
| | | | | | | | | | | الرطوبة Humidity | 52 | 49 | 38 | 31 | 23 | 34 | 47 | 53 |
| BASRA ... | 368.4 | 24.5 | ... | ... | 32.0 | 0 | 0 | 0 | 0 | الحرارة Temperature | 31.8 | 30.9 | 35.3 | 38.4 | 40.3 | 37.5 | 34.8 | 32.9 |
| | | | | | | | | | | الرطوبة Humidity | 66 | 65 | 62 | 45 | 40 | 44 | 60 | 64 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS.

## معدلات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo ... | 37 | 08 | 42 | 41 | 0.0 | Sulaimanya ... | 35 | 33 | 45 | 25 | 0.0 | Hilla ... | 32 | 29 | 44 | 26 | 0.0 |
| Amadia ... | 37 | 05 | 43 | 30 | 0.0 | Chamchamal ... | 35 | 32 | 44 | 51 | 0.0 | Hit ... | 33 | 4 | 42 | 55 | 0.0 |
| Aqra ... | 36 | 45 | 43 | 53 | 0.0 | Penjwin ... | 35 | 37 | 45 | 58 | 0.0 | Hindiya ... | 32 | 42 | 44 | 17 | 0.0 |
| Dubok ... | 36 | 52 | 43 | 02 | 0.0 | Halabja ... | 35 | 11 | 45 | 59 | 0.0 | Karbal ... | 32 | 37 | 44 | 01 | 0.0 |
| Sanat ... | 36 | 47 | 42 | 48 | 0.0 | Chwarta ... | 35 | 44 | 45 | 33 | 0.0 | Anah ... | 32 | 28 | 41 | 57 | 0.0 |
| Sarsank ... | 36 | 53 | 43 | 32 | 0.0 | Bakrajo ... | 35 | 34 | 45 | 23 | 0.0 | Samawa ... | 31 | 20 | 45 | 15 | 0.0 |
| Sijar ... | 36 | 19 | 41 | 50 | 0.0 | Iftikhar ... | 35 | 03 | 44 | 27 | 0.0 | Kut ... | 32 | 30 | 45 | 45 | 0.0 |
| Telafar ... | 36 | 22 | 42 | 28 | 0.0 | Al-Mansur ... | 34 | 05 | 44 | 58 | 0.0 | Qala't Sukar ... | 31 | 52 | 46 | 05 | 0.0 |
| Arbil ... | 36 | 11 | 44 | 00 | 0.0 | Tuz ... | 34 | 50 | 44 | 30 | 0.0 | A'mara ... | 31 | 51 | 47 | 10 | 0.0 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 0.0 | Jalawla ... | 34 | 16 | 45 | 09 | 0.0 | Basra ... | 31 | 05 | 45 | 55 | 0.0 |
| Shaqlawa ... | 36 | 23 | 44 | 20 | 0.0 | Mandily ... | 33 | 45 | 45 | 33 | 0.0 | Ur ... | 30 | 58 | 46 | 05 | 0.0 |
| Rayat ... | 36 | 41 | 44 | 57 | 0.0 | Samarra ... | 34 | 11 | 43 | 50 | 0.0 | Fao ... | 29 | 59 | 48 | 30 | 0.0 |

## NOTES ON TABLES

***Mean Air Pressure.***— Is expressed in the millibars, the initial 6 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0300 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all observation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only where force 6 equals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

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## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥ . لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة : تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق . ان ارتفاع بصلات المحارير ١٫٣ م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف العدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠ متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/٠١ والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨ / ٧ أو ٨ / ٨٠

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≥ ٨ اذا كان الريح مساويا الى هذين المقياسين أو أكثر في ساعات الرصد فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح ( الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كرينتش = وقت بغداد المحلي - ٣ ساعات

ان معدلات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر بإذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.**

**التقرير الجوي الشهري**

**AUGUST 1954**

**آب ١٩٥٤**

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

LIBRARY
OCT 5 1955
WEATHER BUREAU

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) (درجات مئوية) (درجات الحرارة م°) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل<br>Q = 36° 34' N.<br>X = 43° 24' E. | 1-10 | 99.3 | 99.9 | 97.4 | 98.4 | 28.5 | 35.7 | 43.2 | 32.5 | 44.0 | 25.8 | 46.5 | 1 | 40.7 | 10 | 30.1 | 6 | 19.9 | 10 |
| | 11-20 | 00.4 | 00.9 | 99.5 | 99.9 | 24.5 | 34.1 | 44.4 | 30.8 | 45.2 | 21.0 | 47.5 | 16 | 42.5 | 11 | 23.1 | 18 | 18.8 | 14 |
| Hs. = 229.6 m.<br>Hb. = 228.5 m. | 21-31 | 01.6 | 03.9 | 01.1 | 02.5 | 20.6 | 31.5 | 44.9 | 30.2 | 45.5 | 18.1 | 47.0 | 30 | 43.4 | 21,26 | 22.1 | 31 | 16.1 | 21 |
| ha = 13.2 m. | MONTH | 01.2 | 01.7 | 99.0 | 00.4 | 24.4 | 33.8 | 44.2 | 31.2 | 44.9 | 21.5 | 47.5 | 16 | 40.7 | 10 | 30.1 | 6 | 16.1 | 21 |
| **Kirkuk** كركوك<br>Q = 35° 28' N.<br>X = 44° 24' E. | 1-10 | 97.0 | 97.3 | 95.2 | 96.1 | 31.6 | 36.4 | 41.4 | 34.8 | 42.3 | 29.5 | 43.7 | 2 | 38.9 | 10 | 34.7 | 4 | 25.2 | 9 |
| | 11-20 | 98.2 | 97.3 | 96.3 | 98.1 | 30.1 | 37.6 | 42.4 | 34.5 | 43.2 | 28.1 | 45.9 | 16 | 39.5 | 11 | 33.9 | 17 | 23.3 | 11 |
| Hs. = 330.8 m.<br>Hb. = 331.7 m. | 21-31 | 01.6 | 01.6 | 99.5 | 01.3 | 23.6 | 36.1 | 43.1 | 33.5 | 43.7 | 25.9 | 45.0 | 30 | 41.5 | 21 | 27.3 | 31 | 22.7 | 21 |
| ha = 8.2 m. | MONTH | 99.0 | 98.7 | 97.1 | 98.6 | 30.1 | 36.7 | 42.3 | 34.3 | 43.1 | 27.8 | 45.9 | 16 | 38.9 | 10 | 31.7 | 4 | 23.7 | 21 |
| **Khan qin** خانقين<br>Q = 34° 18 N.<br>X = 45° 26 E. | 1-10 | ... | 96.5 | 94.8 | 96.2 | ... | 38.2 | 43.8 | 37.7 | 44.5 | 29.4 | 46.2 | 2 | 39.4 | 10 | 34.4 | 4 | 23.3 | 10 |
| | 11-20 | ... | 97.6 | 96.3 | 98.2 | ... | 37.6 | 43.7 | 36.4 | 44.4 | 27.8 | 46.6 | 15,16 | 41.1 | 11 | 32.8 | 18,19 | 23.9 | 11 |
| Hs. = 201.2 m.<br>Hb. = 201.1 m. | 21-31 | ... | 01.0 | 99.3 | 00.7 | ... | 36.4 | 43.8 | 35.8 | 44.5 | 25.3 | 46.1 | 22 | 43.0 | 21 | 23.9 | 31 | 22.2 | 21 |
| ha = 6.1 m. | MONTH | ... | 98.5 | 96.9 | 98.4 | ... | 37.3 | 43.8 | 36.4 | 44.5 | 27.4 | 46.6 | 15,16 | 39.4 | 10 | 34.4 | 4 | 22.2 | 21 |
| **Baghdad** بغداد<br>Q = 33° 20' N.<br>X = 44° 24' E. | 1-10 | 96.4 | 98.1 | 96.2 | 96.4 | 30.9 | 34.8 | 43.7 | 34.2 | 44.0 | 27.2 | 46.2 | 2 | 39.3 | 10 | 30.8 | 5 | 23.4 | 10 |
| | 11-20 | 98.4 | 99.7 | 98.4 | 98.6 | 29.8 | 33.4 | 43.5 | 34.0 | 44.0 | 25.7 | 46.1 | 17 | 40.0 | 11 | 32.8 | 19 | 22.8 | 14 |
| Hs. = 34.1 m.<br>Hb. = 40.4 m. | 21-31 | 01.2 | 01.1 | 01.3 | 01.6 | 28.9 | 32.9 | 43.7 | 33.2 | 44.2 | 25.0 | 45.3 | 25 | 43.1 | 30 | 29.1 | 30 | 23.0 | 21 |
| ha = 17.7 m. | MONTH | 98.7 | 01.4 | 99.5 | 99.9 | 29.8 | 33.7 | 43.3 | 33.8 | 44.1 | 26.0 | 46.2 | 2 | 39.3 | 10 | 32.3 | 19 | 22.8 | 14 |
| **Habbaniyah** حبانية<br>Q = 33° 22' N.<br>X = 43° 21' E. | 1-10 | 96.6 | 98.0 | 95.9 | 96.1 | 30.4 | 35.2 | 45.1 | 36.1 | 45.5 | 27.6 | 48.3 | 5 | 40.0 | 10 | 30.5 | 7 | 23.9 | 9,10 |
| | 11-20 | 98.1 | 99.1 | 98.0 | 98.4 | 29.4 | 33.3 | 44.1 | 35.0 | 44.8 | 26.9 | 46.6 | 19 | 40.0 | 11 | 29.4 | 19 | 25.5 | 12,13,16 |
| Hs. = 43.6 m.<br>Hb. = 41.5 m. | 21-31 | 00.9 | 02.7 | 00.8 | 01.3 | 23.0 | 33.0 | 43.9 | 33.6 | 44.6 | 25.4 | 46.1 | 25 | 42.2 | 27 | 27.2 | 24 | 23.8 | 23 |
| ha = 14.9 m. | MONTH | 98.5 | 00.2 | 98.4 | 98.6 | 29.2 | 33.8 | 44.4 | 34.9 | 44.9 | 26.6 | 48.3 | 5 | 40.0 | 10,11 | 30.5 | 7 | 22.8 | 23 |
| **Rutba** رطبة<br>Q = 33° 02 N.<br>X = 40° 17 E. | 1-10 | 99.5 | 01.1 | 98.9 | 99.7 | 27.2 | 30.4 | 37.6 | 31.7 | 40.0 | 21.5 | 41.5 | 5 | 35.5 | 9 | 27.0 | 5 | 19.0 | 9 |
| | 11-20 | 01.9 | 03.2 | 01.5 | 03.2 | 24.5 | 30.2 | 41.2 | 32.0 | 39.3 | 23.0 | 41.0 | 16,20 | 36.4 | 11 | 24.0 | 14 | 21.3 | 13 |
| Hs. = 615.5 m.<br>Hb. = 616.4 m. | 21-31 | 01.8 | 04.3 | 03.2 | 03.9 | 25.2 | 31.5 | 39.8 | 32.6 | 41.2 | 22.5 | 44.2 | 23 | 39.0 | 25 | 25.6 | 24 | 20.4 | 29 |
| ha = 16.1 m. | MONTH | 01.7 | 03.0 | 01.2 | 01.9 | 26.0 | 30.7 | 39.3 | 32.4 | 40.4 | 23.3 | 44.2 | 23 | 35.5 | 9 | 27.0 | 5 | 19.0 | 9 |
| **Kut Al-Hai** كوت الحي<br>Q = 32° 10 N.<br>X = 46° 03 E. | 1-10 | ... | 98.9 | 95.6 | 95.9 | ... | 36.4 | 44.1 | 34.9 | 44.7 | 27.9 | 47.8 | 6 | 39.0 | 10 | 29.9 | 1 | 23.2 | 10 |
| | 11-20 | ... | 98.9 | 97.6 | 98.2 | ... | 36.4 | 44.4 | 34.2 | 44.8 | 25.9 | 47.2 | 18 | 40.2 | 11 | 30.0 | 20 | 23.4 | 15 |
| Hs. = 14.9 m.<br>Hb. = 16.1 m. | 21-31 | ... | 01.7 | 00.4 | 01.1 | ... | 36.2 | 44.4 | 33.9 | 44.8 | 25.7 | 46.0 | 30 | 35.6 | 23 | 29.2 | 25 | 24.4 | 26 |
| ha = 7.3 m. | MONTH | ... | 99.3 | 97.9 | 98.4 | ... | 36.3 | 44.3 | 34.3 | 44.6 | 26.3 | 47.3 | 6 | 35.6 | 23 | 30.0 | 20 | 23.2 | 10 |
| **Diwaniya** ديوانية<br>Q = 31° 58 N.<br>X = 44° 59 E. | 1-10 | 95.6 | 97.0 | 95.5 | 95.4 | 28.8 | 35.4 | 43.6 | 34.8 | 44.2 | 25.9 | 47.0 | 7 | 39.4 | 10 | 29.0 | 8 | 23.5 | 10 |
| | 11-20 | 97.4 | 98.7 | 97.7 | 97.9 | 28.1 | 35.0 | 43.7 | 33.1 | 44.4 | 24.7 | 47.0 | 19 | 40.3 | 11 | 26.0 | 18 | 22.5 | 14 |
| Hs. = 20.4 m.<br>Hb. = 21.0 m. | 21-31 | 00.1 | 01.8 | 00.2 | 00.8 | 27.7 | 35.3 | 44.1 | 34. | 44.7 | 25.0 | 45.4 | 21 | 43.6 | 22 | 28.0 | 26 | 22.6 | 22 |
| ha = 5.8 m. | MONTH | 97.7 | 99.3 | 97.8 | 98.0 | 24.1 | 35.2 | 43.8 | 33.7 | 44.4 | 25.2 | 47.0 | 7,19 | 39.4 | 10 | 29.0 | 8 | 23.5 | 14 |
| **Nasiriya** ناصرية<br>Q = 31° 01 N.<br>X = 46° 15 E. | 1-10 | 95.6 | 97.3 | 95.8 | 95.9 | 30.1 | 35.2 | 45.3 | 34.4 | 44.8 | 27.5 | 47.8 | 7 | 39.0 | 10 | 29.2 | 7 | 23.3 | 10 |
| | 11-20 | 97.8 | 99.5 | 97.7 | 98.2 | 27.7 | 34.6 | 44.0 | 33.8 | 45.2 | 25.2 | 47.3 | 19 | 40.2 | 11 | 28.0 | 20 | 23.6 | 15 |
| Hs. = 3.0 m.<br>Hb. = 3.7 m. | 21-31 | 00.3 | 02.1 | 00.3 | 01.4 | 29.3 | 35.0 | 45.0 | 34.0 | 45.7 | 26.4 | 46.8 | 30 | 44.6 | 21 | 30.0 | 30 | 23.9 | 21 |
| ha = 8.8 m. | MONTH | 98.0 | 99.6 | 97.9 | 98.5 | 29.0 | 35.0 | 44.8 | 34.1 | 45.1 | 26.4 | 47.8 | 7 | 39.0 | 10 | 32.0 | 30 | 23.3 | 10 |
| **Basrah** بصره<br>Q = 30° 34 N.<br>X = 47° 47 E. | 1-10 | 95.2 | 96.6 | 95.6 | 95.3 | 31.7 | 35.4 | 40.5 | 35.0 | 41.1 | 30.4 | 44.3 | 4 | 37.3 | 9,10 | 32.2 | 7 | 27.8 | 10 |
| | 11-20 | 97.6 | 98.7 | 97.8 | 97.7 | 29.0 | 34.3 | 41.0 | 33.4 | 41.7 | 27.3 | 43.6 | 19 | 38.6 | 11 | 30.3 | 19 | 25.0 | 11 |
| Hs. = 2.4 m.<br>Hb. = 1.5 m. | 21-31 | 00.0 | 01.8 | 00.2 | 00.3 | 29.9 | 34.4 | 42.0 | 33.9 | 42.9 | 27.7 | 46.0 | 28 | 40.8 | 22 | 30.7 | 30 | 25.8 | 28 |
| ha = 23.5 m. | MONTH | 97.7 | 99.0 | 97.9 | 97.8 | 30.3 | 34.7 | 41.2 | 34.1 | 41.9 | 28.4 | 46.0 | 28 | 37.3 | 9,10 | 32.2 | 7 | 25.0 | 11 |

# شهر آب ١٩٥٤

| درجة الندى (م°) Dew Point (oC) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأثمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأثمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | مطول المطر المليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | أكبر كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in 24 hrs. | التاريخ Date |
| 10.7 | 15.0 | 11.9 | 11.5 | 36 | 30 | 17 | 28 | 13.1 | 17.5 | 14.8 | 13.8 | 0.3 | 0.6 | 0.9 | 0.4 | 0.3 | 1.2 | 1.3 | 0.8 | 0.2 | 0.2 | 5 |
| 13.8 | 15.1 | 13.4 | 15.6 | 53 | 33 | 17 | 42 | 16.0 | 17.5 | 15.3 | 18.0 | 0.0 | 0.4 | 0.9 | 0.2 | 0.5 | 1.0 | 1.0 | 0.4 | 0.0 | 0.0 | — |
| 12.7 | 13.6 | 14.2 | 12.2 | 61 | 34 | 18 | 39 | 14.1 | 15.7 | 17.0 | 14.9 | 0.0 | 0.3 | 0.7 | 0.0 | 0.0 | 0.9 | 0.8 | 0.0 | 0.0 | 0.0 | — |
| 12.4 | 14.6 | 13.2 | 13.1 | 50 | 32 | 17 | 36 | 14.4 | 16.0 | 15.7 | 15.6 | 0.1 | 0.4 | 0.8 | 0.2 | 0.3 | 1.0 | 1.0 | 0.4 | 0.2 | 0.2 | 5 |
| 6.3 | 7.4 | 6.4 | 7.0 | 22 | 19 | 13 | 19 | 9.3 | 10.7 | 9.8 | 10.3 | 0.0 | 1.0 | 2.1 | 0.1 | 0.6 | 2.1 | 2.7 | 0.6 | TR | TR | 8 |
| 8.6 | 10.5 | 10.3 | 9.1 | 27 | 21 | 15 | 22 | 11.2 | 12.9 | 12.6 | 11.8 | 0.1 | 0.1 | 1.3 | 0.0 | 0.6 | 1.2 | 2.1 | 0.4 | 0.0 | 0.0 | — |
| 10.1 | 11.9 | 10.9 | 10.5 | 33 | 23 | 16 | 25 | 12.7 | 14.3 | 13.7 | 12.6 | 0.0 | 0.0 | 0.6 | 0.0 | 0.4 | 0.4 | 1.2 | 0.2 | 0.0 | 0.0 | — |
| 8.3 | 10.0 | 9.2 | 9.0 | 27 | 21 | 15 | 22 | 11.2 | 12.7 | 12.1 | 11.6 | 0.0 | 0.4 | 1.3 | 0.0 | 0.5 | 1.2 | 2.0 | 0.4 | TR | TR | 8 |
| .. | 6.4 | 8.5 | 6.9 | ... | 15 | 13 | 16 | ... | 9.7 | 11.1 | 10.0 | ... | 1.0 | 2.9 | 1.9 | ... | 2.7 | 4.0 | 2.3 | 1.0 | 1.0 | 4 |
| ... | 7.4 | 6.5 | 5.7 | ... | 16 | 11 | 15 | ... | 10.3 | 9.7 | 9.3 | ... | 0.5 | 1.9 | 0.8 | ... | 1.0 | 2.4 | 1.3 | 0.0 | 0.0 | — |
| ... | 3.2 | 4.2 | 5.0 | ... | 13 | 9 | 15 | ... | 7.7 | 8.3 | 8.8 | ... | 0.0 | 0.4 | 0.0 | ... | 0.2 | 1.0 | 0.3 | 0.0 | 0.0 | — |
| ... | 5.6 | 6.3 | 5.9 | ... | 15 | 11 | 15 | ... | 9.1 | 9.7 | 9.4 | ... | 0.5 | 1.7 | 0.8 | ... | 1.3 | 2.5 | 1.3 | 1.0 | 1.0 | 4 |
| 10.3 | 13.8 | 10.6 | 13.9 | 31 | 20 | 16 | 30 | 14.0 | 16.3 | 13.5 | 16.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.3 | 1.0 | 1.1 | 0.9 | 0.0 | 0.0 | — |
| 9.4 | 10.4 | 10.7 | 14.3 | 31 | 26 | 15 | 33 | 12.4 | 12.8 | 13.2 | 16.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.5 | 0.4 | 0.0 | 0.0 | 0.0 | — |
| 10.2 | 13.0 | 9.5 | 14.2 | 33 | 29 | 13 | 33 | 12.7 | 14.8 | 12.1 | 16.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.4 | 0.2 | 0.0 | 0.0 | — |
| 10.1 | 12.4 | 10.3 | 14.1 | 32 | 28 | 15 | 32 | 13.0 | 14.6 | 12.9 | 16.4 | 0.0 | 0.1 | 0.1 | 0.0 | 0.3 | 0.6 | 0.6 | 0.4 | 0.0 | 0.0 | — |
| 12.9 | 15.5 | 12.6 | 14.3 | 34 | 31 | 16 | 27 | 15.0 | 17.7 | 14.6 | 16.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.9 | 0.7 | 0.0 | 0.0 | — |
| 12.9 | 16.6 | 13.9 | 15.5 | 37 | 38 | 18 | 32 | 15.0 | 19.0 | 15.9 | 17.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.4 | 0.0 | 0.0 | 0.0 | — |
| 12.2 | 14.4 | 11.8 | 14.4 | 38 | 32 | 14 | 32 | 14.3 | 16.5 | 12.9 | 16.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.3 | 0.2 | 0.0 | 0.0 | — |
| 12.7 | 15.5 | 13.8 | 14.7 | 36 | 34 | 16 | 30 | 14.7 | 17.7 | 14.4 | 16.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.5 | 0.2 | 0.0 | 0.0 | — |
| 6.5 | 8.4 | 3.9 | 8.4 | 28 | 26 | 11 | 16 | 10.0 | 11.3 | 7.9 | 7.5 | 0.0 | 0.3 | 1.0 | 1.3 | 1.2 | 1.0 | 1.1 | 2.3 | 0.0 | 0.0 | — |
| 9.0 | 9.3 | 5.8 | 6.5 | 36 | 28 | 14 | 21 | 11.7 | 12.0 | 9.6 | 8.9 | 0.0 | 0.0 | 0.2 | 0.2 | 0.1 | 0.2 | 0.3 | 0.2 | 0.0 | 0.0 | — |
| 3.4 | 7.4 | 6.1 | 4.9 | 25 | 24 | 13 | 13 | 8.1 | 10.7 | 9.9 | 8.8 | 0.5 | 0.0 | 0.5 | 0.5 | 0.5 | 0.9 | 1.2 | 1.0 | TR | TR | 30 |
| 6.3 | 8.4 | 5.3 | 4.9 | 29 | 26 | 13 | 18 | 9.9 | 11.3 | 9.1 | 8.7 | 0.2 | 0.1 | 0.6 | 0.7 | 0.6 | 0.7 | 0.9 | 1.2 | TR | TR | 30 |
| ... | 16.5 | 13.8 | 15.3 | ... | 32 | 17 | 32 | ... | 19.1 | 15.2 | 18.2 | ... | 0.0 | 0.1 | 0.0 | ... | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 | — |
| ... | 15.9 | 13.6 | 15.5 | ... | 32 | 17 | 34 | ... | 18.3 | 15.7 | 17.7 | ... | 0.0 | 0.0 | 0.0 | ... | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | — |
| ... | 17.3 | 13.2 | 14.7 | ... | 35 | 16 | 32 | ... | 20.7 | 15.6 | 17.0 | ... | 0.0 | 0.0 | 0.0 | ... | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| ... | 16.6 | 13.2 | 15.2 | ... | 33 | 17 | 33 | ... | 19.4 | 15.5 | 17.6 | ... | 0.0 | 0.0 | 0.0 | ... | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | — |
| 16.0 | 16.9 | 15.5 | 14.0 | 48 | 35 | 20 | 33 | 18.7 | 19.9 | 17.7 | 17.5 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.6 | 0.7 | 0.3 | 0.0 | 0.0 | — |
| 13.1 | 14.4 | 12.6 | 13.1 | 42 | 30 | 17 | 31 | 15.3 | 16.6 | 14.8 | 15.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.3 | 0.0 | 0.0 | — |
| 12.3 | 15.6 | 13.3 | 13.3 | 40 | 32 | 17 | 31 | 14.4 | 18.2 | 15.5 | 15.4 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.4 | 0.2 | 0.2 | 0.0 | 0.0 | — |
| 13.8 | 15.6 | 13.8 | 13.8 | 43 | 32 | 18 | 32 | 16.1 | 18.2 | 16.0 | 16.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.4 | 0.4 | 0.3 | 0.0 | 0.0 | — |
| 19.2 | 17.6 | 19.5 | 22.4 | 54 | 35 | 27 | 50 | 23.1 | 20.6 | 23.1 | 27.4 | 0.0 | 0.8 | 1.6 | 0.0 | 0.0 | 1.0 | 1.0 | 0.4 | 0.0 | 0.0 | — |
| 14.0 | 16.2 | 17.1 | 20.3 | 45 | 40 | 22 | 47 | 16.5 | 19.9 | 19.9 | 24.3 | 0.0 | 0.0 | 0.8 | 0.0 | 0.3 | 0.1 | 0.8 | 0.0 | 0.0 | 0.0 | — |
| 16.9 | 16.5 | 14.5 | 18.8 | 48 | 36 | 17 | 42 | 19.8 | 19.7 | 16.9 | 21.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | 0 |
| 16.7 | 16.8 | 17.0 | 20.5 | 49 | 37 | 22 | 46 | 19.8 | 19.7 | 19.9 | 24.3 | 0.0 | 0.3 | 0.8 | 0.0 | 0.1 | 0.5 | 0.9 | 0.1 | 0.0 | 0.0 | 0 |
| 24.1 | 23.4 | 24.6 | 25.4 | 65 | 51 | 41 | 60 | 30.6 | 29.4 | 31.1 | 33.3 | 0.0 | 0.0 | 1.6 | 0.0 | 0.1 | 0.6 | 2.4 | 0.1 | 0.0 | 0.0 | — |
| 21.4 | 23.8 | 21.7 | 25.4 | 66 | 55 | 34 | 64 | 26.0 | 29.7 | 26.2 | 32.6 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.3 | 0.3 | 0.0 | 0.0 | 0.0 | — |
| 23.6 | 23.8 | 23.2 | 24.6 | 70 | 55 | 37 | 60 | 29.6 | 30.0 | 29.4 | 31.4 | 0.0 | 0.0 | 0.2 | 0.0 | 0.2 | 0.3 | 0.4 | 0.1 | 0.0 | 0.0 | — |
| 23.1 | 23.7 | 23.2 | 25.1 | 67 | 54 | 37 | 61 | 28.8 | 29.7 | 28.9 | 32.4 | 0.0 | 0.0 | 0.6 | 0.0 | 0.1 | 0.4 | 1.0 | 0.1 | 0.0 | 0.0 | — |

# MONTH AUGUST 1954

| المحطة STATION | الفترة Period | Numbers of Days. عدد الأيام: مطر Rain | ثلج Snow | برد Hail | عاصفة رعدية Thunderstorms | ضباب Fog | زوبعة غبار Duststorm | الجو صحو Clear | الجو غائم Cloudy | هطول المطر بالمليمترات Rainfall (mms): 1.0 | 10.0 | قوة الريح Wind force: 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observations. 0000 (G.M.T.): شمالي N. | شمال شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمال غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Mosul*** موصل | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 36° 19' N. | 1–10 | 1 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 4 | 7 |
| X = 43° 09' E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 |
| Hs. = 222.6 m. Hb. = 223.5 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| ha = 14.1 m. | MONTH | 1 | 0 | 0 | 1 | 0 | 0 | 24 | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 23 | 8 |
| ***Kirkuk*** كركوك | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28' N. | 1–10 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| X = 44° 27' E. | 11–20 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | 3 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| ha = 8.2 m. | MONTH | 0 | 0 | 0 | 2 | 0 | 0 | 20 | 0 | 0 | 0 | 1 | 0 | 6 | 21 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 5 |
| ***Khanaqin*** خانقين | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18' N. | 1–10 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 3 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| X = 45 26 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 1 | 0 | 0 | 1 | 0 | 0 | 17 | 0 | 1 | 0 | 3 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ***Baghdad*** بغداد | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 5 | 2 | 6 |
| X = 44 24 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 2 | 6 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 2 | 2 | 2 | 5 |
| ha = 17.7 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 1 | 27 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 1 | 1 | 1 | 4 | 11 | 3 | 6 |
| ***Habbaniya*** حبانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 21' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 6 | 1 | 7 |
| X = 43 34 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 6 |
| Hs. = 34.6 m. Hb. = 44.5 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 6 | 2 |
| ha = 14.9 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 1 | 1 | 14 | 9 | 5 |
| ***Rutba*** رطبة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 02' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 3 | 1 | 12 |
| X = 40 17 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 10 |
| Hs. = 655 m. Hb. = 656.4 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 6 | 4 |
| ha = 16.1 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 1 | 24 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 11 | 10 | 7 | 9 |
| ***Kut Al-Hai*** كوت الحي | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 32° 10' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | — | — | — | — | — |
| X = 46 08' E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Hs. = 11.9 m. Hb = 16.1 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ha = 7.9 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 1 | 31 | 0 | 0 | 0 | 0 | 0 | — | — | — | — | — | — | — | — | — | — |
| ***Diwaniya*** الديوانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 6 | 0 | 1 | 7 |
| X = 44 59 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 1 | 6 |
| Hs. = 10.4 m. Hb = 21.0 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 8 |
| ha = 5.8 m | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 1 | 0 | 9 | 0 | 3 | 0 | 0 | 1 | 16 | 0 | 2 | 7 |
| ***Nasiriya*** ناصرية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 5 | 1 | 6 |
| X = 46 14 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 1 | 5 |
| Hs. = 3.0 m. Hb. = 8.7 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 2 | 4 | 0 | 9 |
| ha = 8.8 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 2 | 27 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 3 | 0 | 10 | 12 | 2 | 7 |
| ***Basra*** بصرة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 30° 31' N. | 1–10 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 2 | 5 |
| X = 47 47 E. | 11–20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 1 | 0 | 3 |
| Hs. = 2.1 m. Hb. = 14.7 m. | 21–31 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 5 | 2 | 3 |
| ha = 8.5 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 1 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 12 | 10 | 4 | 4 |

Surface Wind—Number of Ob-ervations. الريح السطحي - عدد الرصدات

| 0600 (G.M.T.) | | | | | | | | | | 1200 (G.M.T.) | | | | | | | | | | 1800 (G.M.T.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| شمالي N. | شمالي شرقي NE | شرقي E. | جنوبي شرقي SE. | جنوبي S | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
| 1 | 4 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 12 | 2 | 3 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 11 | 2 | 2 | 0 | 0 | 1 | 0 | 2 | 0 | 3 | 6 |
| 6 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 5 | 4 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 1 |
| 5 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 4 | 2 | 2 | 0 | 2 | 1 | 0 | 1 | 0 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 7 | 1 |
| 12 | 6 | 2 | 1 | 0 | 0 | 2 | 4 | 4 | 7 | 8 | 5 | 2 | 3 | 1 | 1 | 3 | 4 | 4 | 7 | 3 | 2 | 0 | 0 | 1 | 2 | 5 | 0 | 18 | 3 |
| 3 | 2 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 4 | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 9 | 0 | 5 | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 6 |
| 1 | 4 | 2 | 1 | 1 | 0 | 1 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 2 | 2 | 1 | 2 | 0 | 8 | 3 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | [illegible] |
| 0 | 1 | 2 | 3 | 2 | 2 | 0 | 1 | 0 | 5 | 1 | 0 | 0 | 1 | 3 | 2 | 3 | 1 | 0 | 6 | 2 | 3 | 0 | 2 | 1 | 0 | 0 | 2 | 1 | 3 |
| 4 | 7 | 8 | 4 | 3 | 2 | 1 | 2 | 0 | 7 | 8 | 1 | 2 | 1 | 6 | 4 | 5 | 4 | 0 | 8 | 5 | 12 | 2 | 3 | 2 | 1 | 1 | 4 | 1 | 4 |
| 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 4 | 11 | 1 | 0 | 1 | 0 | 2 | 0 | 3 | 2 | 1 | 11 | 0 | 0 | 3 | 0 | 1 | 0 | 2 | 1 | 3 | 5 |
| 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 5 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 5 | 2 | 1 | 6 | 1 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 3 | 4 |
| 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 4 | 0 | 9 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 8 | 1 |
| 0 | 0 | 12 | 0 | 0 | 0 | 2 | 1 | 16 | 5 | 2 | 0 | 1 | 0 | 4 | 0 | 14 | 8 | 2 | 9 | 2 | 0 | 5 | 0 | 3 | 2 | 3 | 2 | 14 | 3 |
| 2 | 0 | 3 | 0 | 1 | 0 | 1 | 3 | 0 | 9 | 1 | 0 | 0 | 1 | 2 | 2 | 0 | 4 | 0 | 9 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 4 | 4 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 8 | 4 | 0 | 0 | 1 | 0 | 0 | 4 | 1 | 0 | 11 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 4 | 3 |
| 2 | 0 | 1 | 1 | 0 | 0 | 2 | 5 | 0 | 7 | 0 | 1 | 0 | 2 | 1 | 0 | 2 | 4 | 1 | 8 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 3 | 4 |
| 6 | 0 | 4 | 1 | 1 | 0 | 3 | 16 | 0 | 8 | 5 | 1 | 0 | 4 | 3 | 2 | 6 | 9 | 1 | 9 | 4 | 0 | 0 | 3 | 1 | 0 | 5 | 7 | 11 | 4 |
| 0 | 1 | 1 | 1 | 0 | 0 | 0 | 6 | 1 | 10 | 1 | 0 | 0 | 0 | 2 | 2 | 1 | 3 | 1 | 11 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 2 | 6 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 10 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 4 | 5 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 2 | 7 | 1 | 1 | 1 | 0 | 0 | 2 | 0 | 5 | 1 | 11 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 5 | 4 |
| 2 | 1 | 2 | 1 | 0 | 0 | 0 | 22 | 3 | 9 | 4 | 1 | 1 | 0 | 2 | 4 | 2 | 15 | 2 | 11 | 2 | 0 | 0 | 2 | 2 | 0 | 1 | 11 | 11 | 5 |
| 4 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 13 | 4 | 0 | 1 | 0 | 0 | 0 | 4 | 1 | 0 | 11 | 3 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 9 |
| 3 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 8 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 5 |
| 0 | 2 | 0 | 0 | 0 | 2 | 1 | 4 | 2 | 8 | 2 | 0 | 1 | 0 | 0 | 1 | 3 | 2 | 2 | 8 | 3 | 2 | 1 | 0 | 0 | 0 | 2 | 1 | 2 | 5 |
| 7 | 2 | 0 | 0 | 0 | 2 | 7 | 11 | 3 | 10 | 7 | 1 | 2 | 0 | 0 | 1 | 9 | 7 | 4 | 9 | 6 | 5 | 2 | 0 | 0 | 1 | 6 | 6 | 5 | 6 |
| 1 | 0 | 1 | 0 | 2 | 0 | 4 | 2 | 0 | 8 | 0 | 1 | 2 | 1 | 0 | 0 | 5 | 1 | 0 | 9 | 0 | 0 | 0 | 2 | 0 | 1 | 6 | 1 | 0 | 5 |
| 1 | 0 | 1 | 0 | 1 | 0 | 5 | 2 | 0 | 6 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 4 | 0 | 6 | 0 | 1 | 0 | 0 | 2 | 0 | 6 | 1 | 0 | 5 |
| 1 | 1 | 3 | 0 | 1 | 0 | 2 | 3 | 0 | 8 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 7 | 0 | 8 | 0 | 2 | 1 | 1 | 0 | 0 | 3 | 4 | 0 | 6 |
| 3 | 1 | 5 | 0 | 4 | 0 | 11 | 7 | 0 | 7 | 0 | 1 | 4 | 1 | 2 | 1 | 10 | 12 | 0 | 8 | 0 | 3 | 1 | 3 | 2 | 1 | 15 | 6 | 0 | 5 |
| 5 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3 | 8 | 2 | 0 | 2 | 0 | 1 | 0 | 8 | 0 | 2 | 15 | 3 | 0 | 2 | 1 | 0 | 0 | 3 | 1 | 0 | 7 |
| 4 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 9 | 2 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 0 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 4 | 4 |
| 3 | 0 | 2 | 1 | 0 | 0 | 5 | 0 | 0 | 7 | 5 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 8 | 2 | 1 | 4 | 0 | 0 | 0 | 1 | 0 | 3 | 5 |
| 12 | 0 | 2 | 2 | 0 | 0 | 12 | 0 | 3 | 8 | 9 | 0 | 2 | 0 | 3 | 1 | 10 | 4 | 2 | 11 | 7 | 1 | 6 | 1 | 0 | 0 | 7 | 2 | 7 | 5 |
| 4 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | 0 | 7 | 4 | 0 | 2 | 1 | 0 | 0 | 0 | 3 | 0 | 8 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 4 | 1 | 3 |
| 2 | 0 | 0 | 0 | 1 | 0 | 1 | 6 | 0 | 7 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 4 |
| 6 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 11 | 7 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 11 | 3 | 0 | 2 | 1 | 0 | [illegible] | 0 | 4 | 1 | 7 |
| 12 | 0 | 0 | 1 | 4 | 0 | 4 | 10 | 0 | 8 | 18 | 0 | 3 | 3 | 1 | 0 | 0 | 6 | 0 | 9 | 8 | 1 | 4 | 2 | 0 | 0 | 0 | 16 | 6 | 6 |
| 0 | 0 | 0 | 1 | 1 | 0 | 4 | 3 | 1 | 6 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 0 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 5 | 2 | 5 |
| 1 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 2 | 3 | 2 |
| 0 | 0 | 1 | 0 | 0 | 0 | 5 | 2 | 3 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 2 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 5 | 2 | 3 |
| 1 | 0 | 1 | 1 | 1 | 0 | 15 | 7 | 5 | 4 | 5 | 2 | 0 | 1 | 0 | 0 | 2 | 19 | 2 | 6 | 1 | 0 | 0 | 3 | 0 | 0 | 8 | 12 | 7 | 3 |

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليلي الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha مقر Meters | الارتفاع Height Ha مقر Meters | DISTRIBUTION OF WIND توزيع الريح: اكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | استدامة Duration ساعات hrs | ٢١ الى ٣٥ عقدة 21–35 Kts. عدد الايام No. of days | DURATION استدامة: ١١–٢٠ عقدة 11–20 Kts. ساعات hrs. | ٤–١٠ عقدة 4–10 Kts. ساعات hrs. | أقل من ٤ عقد < 4 kts. ساعات hrs. | لا قيد No. Record ساعات hrs. | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind: الاتجاه Veer, From N درجات deg. | السرعة Speed. عقدة Knots | الساعة المنتهي فيها Hour ended at ي d. س h. | أعلى عصفة Highest Gust: السرعة Speed. عقدة Knots | الوقت Time ي d. س h. د s. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | 0 | ... | 0 | 180 | 452 | 1.9 | 18 | 350 | 18 | 8 0700 | 27 | 8 05 45 |

## ADDITIONAL DATA — المعلومات الاضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun shine (hours) | درجة حرارة الارض Temperature of Earth: على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days: الصقيع الارضي Ground from. | النهاية العظمى العظمى أقل من ٢١ Min < 21 | أكثر من ٤٦ Max < 46 | عدد مرات كون الغيم أكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 300 Meters. | قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية 3 Hourly Values of Temp. °C and Relative Humidity % — الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 365.5 | 17.7 | 35.3 | 31.6 | ... | 0 | 14 | 7 | 1 | الحرارة Temperature | 21.4 | 23.9 | 33.7 | 42.1 | 44.2 | 39.5 | 13.1 | 27.3 |
| | | | | | | | | | | الرطوبة Humidity | 56 | 57 | 32 | 26 | 17 | 25 | 36 | 43 |
| KIRKUK ... | ... | ... | 30.8 | 29.9 | ... | 0 | 0 | 0 | 0 | الحرارة Temperature | 30.0 | 29.0 | 36.7 | 41.1 | 42.8 | 40.5 | 34.3 | 31.7 |
| | | | | | | | | | | الرطوبة Humidity | 27 | 29 | 21 | 17 | 15 | 16 | 22 | 21 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 0 | 2 | 0 | الحرارة Temperature | ... | 29.0 | 37.3 | ... | 43.8 | 41.7 | 36.4 | ... |
| | | | | | | | | | | الرطوبة Humidity | .. | 20 | 14 | ... | 11 | 11 | 15 | ... |
| BAGHDAD ... | 375.5 | 19.5 | 34.6 | 30.7 | ... | 0 | 0 | 0 | 0 | الحرارة Temperature | 29.8 | 28.7 | 33.7 | 41.0 | 43.3 | 40.9 | 33.8 | 31.5 |
| | | | | | | | | | | الرطوبة Humidity | 32 | 36 | 28 | 19 | 14 | 21 | 32 | 32 |
| HABBANIYA ... | 375.7 | 22.1 | 36.9 | 33.1 | ... | 0 | 0 | 6 | 0 | الحرارة Temperature | 29.2 | 27.4 | 33.8 | 41.9 | 44.5 | 42.1 | 34.9 | 31.7 |
| | | | | | | | | | | الرطوبة Humidity | 36 | 41 | 24 | 21 | 16 | 20 | 30 | 29 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 2 | 0 | 0 | الحرارة Temperature | 26.0 | 24.1 | 30.7 | 37.2 | 39.6 | 38.6 | 32.5 | 28.7 |
| | | | | | | | | | | الرطوبة Humidity | 29 | 34 | 26 | 16 | 13 | 13 | 18 | 23 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 0 | 7 | 0 | الحرارة Temperature | 29.3 | 27.9 | 35.7 | 42.8 | 44.3 | 41.0 | 34.3 | ... |
| | | | | | | | | | | الرطوبة Humidity | 42 | 43 | 32 | 25 | 17 | 24 | 33 | ... |
| DIWANIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 3 | 0 | الحرارة Temperature | 29.2 | 26.4 | 35.2 | 42.0 | 43.8 | 40.8 | 33.7 | 30.8 |
| | | | | | | | | | | الرطوبة Humidity | 43 | 46 | 32 | 22 | 18 | 22 | 31 | 36 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 8 | 0 | الحرارة Temperature | 29.0 | 27.1 | 35.0 | 42.4 | 44.7 | 39.7 | 34.1 | 31.2 |
| | | | | | | | | | | الرطوبة Humidity | 49 | 49 | 37 | 24 | 22 | 33 | 46 | 51 |
| BASRA ... | 347.4 | 21.8 | ... | ... | 31.1 | 0 | 0 | 0 | 0 | الحرارة Temperature | 30.2 | 28.9 | 34.7 | 39.3 | 41.2 | 38.2 | 34.1 | 31.8 |
| | | | | | | | | | | الرطوبة Humidity | 67 | 69 | 54 | 41 | 37 | 47 | 61 | 65 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS. معلومات مطر الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | مطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | مطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | مطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo .... | 37 | 08 | 42 | 41 | 0.0 | Sa'amanya ... | 35 | 33 | 45 | 25 | 0.0 | Hilla ... | 32 | 29 | 44 | 26 | 0.0 |
| Amadia ... | 37 | 05 | 43 | 30 | 0.0 | Chamchamal ... | 35 | 32 | 44 | 51 | 0.0 | Hit .... | 33 | 4 | 42 | 55 | 0.0 |
| Aqra ... | 36 | 45 | 43 | 53 | 0.0 | Penjwin ... | 35 | 37 | 45 | 58 | 0.0 | Hindiya ... | 32 | 42 | 44 | 17 | 0.0 |
| Dubok ... | 36 | 52 | 43 | 02 | 0.0 | Ha'abja ... | 35 | 11 | 45 | 59 | 0.0 | Karbal ... | 32 | 37 | 44 | 01 | 0.0 |
| Sanat ... | 36 | 47 | 42 | 48 | 0.0 | Chwarta ... | 35 | 44 | 45 | 33 | 0.0 | Anah ... | 32 | 28 | 41 | 57 | 0.0 |
| Sarsank ... | 36 | 53 | 43 | 32 | 0.0 | Bakrajo ... | 35 | 34 | 45 | 23 | 0.0 | Samawa ... | 31 | 20 | 45 | 15 | 0.0 |
| Sijar ... | 36 | 19 | 41 | 50 | 0.0 | Ifaikbar ... | 35 | 03 | 44 | 27 | 0.0 | Kut ... | 32 | 30 | 45 | 45 | 0.0 |
| Telafar ... | 36 | 22 | 42 | 28 | 0.0 | Al-Mansur .... | 34 | 05 | 44 | 58 | 0.0 | Qala't Sukar ... | 31 | 52 | 46 | 05 | 0.0 |
| Arbil ... | 36 | 11 | 44 | 00 | 0.0 | Tuz ... | 34 | 50 | 44 | 30 | 0.0 | A'mara ... | 31 | 51 | 47 | 10 | 0.0 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 0.0 | Jalawla .... | 34 | 16 | 45 | 09 | 0.0 | Bada'a ... | 31 | 05 | 45 | 55 | 0.0 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | 0.0 | Mandily ... | 33 | 45 | 45 | 33 | 0.0 | Ur ... | 30 | 58 | 46 | 05 | 0.0 |
| Rayat ... | 36 | 41 | 44 | 57 | 0.0 | Samarra ... | 34 | 11 | 43 | 50 | 0.0 | Fao ... | 29 | 59 | 48 | 30 | 0.0 |

## NOTES ON TABLES

***Mean Air Pressure.***— Is expressed in the millibars, the initial 6 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0600 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all observation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only where force 6 equals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office, Air Ministry London.

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالميليبارات مع حذف ٩ أو ١٠ من اليسار والميليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٠٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥ . لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة : تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق . ب ارتفاع مصلات الحرارة ١٫٣م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف المدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

مطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كريتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع مطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠ متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/٠١ والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨/٧ أو ٨/٨ .

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≥ ٨ اذا كان الريح مساويا الى هذين للقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح ( الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كريتش = وقت بغداد المحلي - ٣ ساعات

ان معدلات حبابية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في حبانية وتنشر بإذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.**

**التقرير الجوي الشهري**

**SEPTEMBER 1954**

**ايلول ١٩٥٤**

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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WEATHER BUREAU

# MONTH SEPTEMBER 1954

| المحطة STATION | للمدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | درجات الحرارة (م°) (درجات مئوية) أعلى نهاية عظمى Highest Maximum. | التاريخ Date | أوطأ نهاية عظمى Lowest Maximum | التاريخ Date | أعلى نهاية صغرى Highest Minimum. | التاريخ Date | أوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28′ N. | 1-10 | 05.3 | 06.2 | 03.1 | 04.6 | 23.6 | 29.2 | 40.5 | 29.0 | 41.5 | 19.8 | 44.6 | 1 | 39.6 | 6 | 27.1 | 1 | 15.3 | 7 |
| λ = 44° 24′ E. | 11-20 | 06.1 | 06.7 | 03.8 | 05.7 | 19.2 | 28.1 | 37.7 | 25.1 | 39.3 | 16.6 | 41.7 | 14 | 37.2 | 19 | 25.6 | 16 | 12.6 | 12 |
| Hs. = 223.6 m. Hb. = 223.5 m. | 21-30 | 09.5 | 10.2 | 06.8 | 08.7 | 16.7 | 26.3 | 37.8 | 23.3 | 39.9 | 14.7 | 42.0 | 25 | 34.9 | 28 | 16.8 | 28 | 12.6 | 26 |
| ha = 13.2 m. | MONTH | 07.0 | 07.7 | 04.6 | 06.3 | 19.8 | 27.9 | 38.7 | 25.8 | 39.9 | 16.9 | 44.6 | 1 | 34.9 | 28 | 27.1 | 1 | 12.6 | 12,26 |
| **Kirkuk** كركوك | | | | | | | | | | | | | | | | | | | |
| Q = 35° 78′ N. | 1-10 | 04.0 | 03.8 | 01.4 | 03.3 | 25.9 | 32.2 | 40.1 | 31.0 | 40.9 | 23.7 | 44.1 | 1 | 37.8 | 5 | 26.8 | 1 | 21.6 | 7 |
| λ = 44° 24′ E. | 11-20 | 04.2 | 04.2 | 02.0 | 03.9 | 25.0 | 32.0 | 36.9 | 28.4 | 37.6 | 23.3 | 39.4 | 14 | 36.1 | 20 | 27.4 | 16 | 20.2 | 20 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21-30 | 07.2 | 06.3 | 04.5 | 06.7 | 24.4 | 33.7 | 36.9 | 23.3 | 37.3 | 22.1 | 40.2 | 24 | 32.3 | 28 | 26.2 | 22 | 17.5 | 28 |
| ha = 8.2 m. | MONTH | 05.1 | 04.8 | 02.6 | 04.6 | 25.1 | 32.6 | 38.0 | 29.2 | 38.6 | 23.0 | 44.1 | 1 | 32.8 | 28 | 27.4 | 16 | 17.5 | 28 |
| **Khanaqin** خانقين | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18 N. | 1-10 | ... | 02.6 | 01.0 | 04.7 | ... | 33.3 | 42.4 | 33.2 | 42.8 | 22.8 | 45.7 | 9 | 40.5 | 10 | 25.5 | 1,2 | 20.5 | 4,7 |
| λ = 45° 26 E. | 11-20 | ... | 03.7 | 02.3 | 03.7 | ... | 33.1 | 37.9 | 30.4 | 42.6 | 21.5 | 40.5 | 13,14 | 36.1 | 16 | 26.1 | 16 | 17.8 | 30 |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21-30 | ... | 06.5 | 04.8 | 06.1 | ... | 29.9 | 37.7 | 30.1 | 34.4 | 21.0 | 41.1 | 23 | 34.1 | 28 | 26.1 | 22 | 17.8 | 23 |
| ha = 6.1 m. | MONTH | ... | 04.3 | 02.7 | 04.1 | ... | 32.1 | 39.3 | 31.2 | 39.9 | 21.8 | 45.7 | 9 | 34.1 | 28 | 26.1 | 16,22 | 17.8 | 20,29 |
| **Baghdad** بغداد | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20′ N. | 1-10 | 03.0 | 04.6 | 02.3 | 03.3 | 29.2 | 32.5 | 42.0 | 32.4 | 42.4 | 26.5 | 45.2 | 1 | 39.9 | 6 | 27.3 | 3,5 | 25.6 | 5 |
| λ = 44° 24′ E. | 11-20 | 04.4 | 05.7 | 04.2 | 05.8 | 23.0 | 29.1 | 38.2 | 27.7 | 38.6 | 20.7 | 41.7 | 14 | 35.8 | 17 | 23.4 | 19 | 19.1 | 12 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21-30 | 05.9 | 07.2 | 06.1 | 07.0 | 22.2 | 27.4 | 37.8 | 27.5 | 38.1 | 18.8 | 40.3 | 25 | 34.5 | 29 | 21.1 | 24 | 17.1 | 28 |
| ha = 17.7 m. | MONTH | 04.5 | 05.8 | 04.2 | 05.3 | 25.8 | 26.3 | 39.0 | 29.2 | 39.7 | 22.0 | 45.2 | 1 | 34.5 | 29 | 27.3 | 3,5 | 17.1 | 28 |
| **Habbaniyah** حبانية | | | | | | | | | | | | | | | | | | | |
| Q = 33° 22′ N. | 1-10 | 03.2 | 04.1 | 02.8 | 03.5 | 27.5 | 31.9 | 42.1 | 32.3 | 42.4 | 24.8 | 45.6 | 1 | 39.4 | 6 | 27.2 | 1 | 21.6 | 4 |
| λ = 44° 24′ E. | 11-20 | 04.1 | 05.9 | 03.8 | 04.4 | 24.6 | 28.1 | 39.0 | 29.8 | 39.5 | 21.6 | 42.2 | 14 | 37.2 | 16,20 | 24.4 | 16 | 19.4 | 12 |
| Hs = 48.6 m. Hb, = 44.5 m, | 21-30 | 07.3 | 08.3 | 06.3 | 07.1 | 22.2 | 27.3 | 38.0 | 28.1 | 38.2 | 20.0 | 41.1 | 25 | 34.4 | 28 | 21.6 | 22,23,24 | 18.3 | 26,28,30 |
| ha = 14.9 m. | MONTH | 04.8 | 06.6 | 04.3 | 05.0 | 24.8 | 29.1 | 39.7 | 29.1 | 40.0 | 22.1 | 45.6 | 1 | 34.4 | 28 | 27.2 | 1 | 18.3 | 26,28,30 |
| **Rutba** رطبة | | | | | | | | | | | | | | | | | | | |
| Q = 33° 03 N. | 1-10 | 06.2 | 07.9 | 05.9 | 06.0 | 23.0 | 26.6 | 35.9 | 29.7 | 37.0 | 20.5 | 39.4 | 1,2 | 35.0 | 5 | 24.7 | 1 | 18.9 | 4 |
| λ = 40° 17 E. | 11-20 | 06.6 | 08.3 | 05.8 | 06.9 | 20.3 | 25.0 | 34.4 | 26.7 | 35.1 | 17.9 | 36.5 | 13 | 32.0 | 16 | 21.2 | 17 | 15.2 | 13 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21-30 | 10.8 | 11.8 | 09.3 | 10.7 | 16.9 | 25.2 | 32.7 | 21.6 | 33.7 | 15.1 | 37.7 | 25 | 30.0 | 29 | 18.2 | 21 | 12.7 | 28 |
| ha = 16.1 m. | MONTH | 07.9 | 09.3 | 07.2 | 07.9 | 20.1 | 25.6 | 34.3 | 27.0 | 35.3 | 17.8 | 39.4 | 1,2 | 30.0 | 29 | 24.7 | 1 | 12.7 | 28 |
| **Kut Al-Hai** كوت الحي | | | | | | | | | | | | | | | | | | | |
| Q = 32° 10 N. | 1-10 | 01.2 | 02.2 | 00.8 | 01.7 | 28.3 | 34.2 | 44.2 | 33.4 | 44.9 | 24.9 | 48.0 | 1 | 42.4 | 6 | 27.6 | 9 | 16.8 | 8 |
| λ = 46° 03 E. | 11-20 | 03.5 | 04.6 | 03.3 | 04.2 | 25.0 | 31.3 | 39.6 | 29.4 | 40.2 | 21.8 | 43.4 | 13 | 37.6 | 20 | 29.8 | 13 | 15.7 | 18 |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21-30 | 06.0 | 07.0 | 05.4 | 06.1 | 23.3 | 28.4 | 38.6 | 23.6 | 39.1 | 20.0 | 41.3 | 27 | 34.7 | 29 | 21.3 | 21,26 | 18.3 | 30 |
| ha = 7.9 m. | MONTH | 03.6 | 04.6 | 03.2 | 04.0 | 25.6 | 31.3 | 40.8 | 30.5 | 41.4 | 22.3 | 48.0 | 1 | 34.7 | 29 | 29.8 | 13 | 15.7 | 18 |
| **Diwaniya** ديوانية | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59 N. | 1-10 | 01.6 | 02.9 | 01.1 | 01.7 | 27.7 | 33.9 | 42.4 | 32.7 | 43.2 | 25.3 | 46.3 | 9 | 40.9 | 6 | 28.0 | 2 | 23.0 | 5 |
| λ = 44° 59 E. | 11-20 | 03.3 | 04.8 | 03.2 | 04.2 | 24.1 | 31.3 | 40.0 | 28.0 | 40.5 | 21.7 | 43.5 | 14 | 37.5 | 20 | 23.7 | 14 | 19.1 | 17 |
| Hs. = 20.4 m. Hb. = 21.0 m | 21-30 | 05.9 | 07.4 | 05.3 | 06.1 | 21.8 | 28.4 | 37.6 | 26.9 | 38.0 | 19.1 | 40.1 | 25 | 34.5 | 29 | 20.6 | 24 | 15.8 | 27 |
| ha = 5.8 m. | MONTH | 03.6 | 05.0 | 03.2 | 04.1 | 24.5 | 31.3 | 40.0 | 29.2 | 40.6 | 22.4 | 46.3 | 9 | 34.5 | 29 | 28.0 | 2 | 15.8 | 27 |
| **Nasiriya** ناصرية | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01 N. | 1-10 | 01.2 | 02.8 | 00.8 | 01.8 | 27.5 | 33.9 | 44.5 | 32.4 | 45.1 | 25.6 | 47.0 | 2 | 43.0 | 4 | 28.7 | 10 | 22.8 | 5 |
| λ = 46° 14 E. | 11-20 | 03.8 | 05.4 | 03.8 | 04.6 | 24.1 | 32.9 | 40.4 | 23.1 | 41.0 | 21.8 | 43.5 | 13 | 39.0 | 16 | 25.6 | 14 | 18.8 | 15 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21-30 | 06.3 | 08.0 | 05.8 | 06.4 | 22.0 | 29.1 | 39.0 | 27.9 | 39.9 | 19.4 | 41.7 | 26 | 36.5 | 29 | 21.0 | 22 | 17.7 | 27 |
| ha = 8.8 m. | MONTH | 03.8 | 05.4 | 03.5 | 04.3 | 24.5 | 31.7 | 41.3 | 29.5 | 42.0 | 21.3 | 47.0 | 2 | 36.5 | 29 | 28.7 | 10 | 17.7 | 27 |
| **Basrah** بصره | | | | | | | | | | | | | | | | | | | |
| Q = 30° 34 N. | 1-10 | 00.1 | 01.3 | 99.9 | 00.3 | 23.6 | 32.8 | 40.5 | 31.4 | 41.3 | 26.1 | 42.8 | 2,10 | 38.3 | 5 | 28.9 | 1 | 23.5 | 5 |
| λ = 47° 47 E. | 11-20 | 03.1 | 04.4 | 03.2 | 03.5 | 26.1 | 30.7 | 37.8 | 30.2 | 38.3 | 23.6 | 40.9 | 14 | 35.8 | 16 | 26.1 | 11 | 21.2 | 13 |
| Hs. = 2.4 m. Hb. = 13.7 m. | 21-30 | 05.5 | 06.7 | 05.0 | 05.4 | 24.3 | 23.4 | 36.1 | 27.5 | 36.6 | 21.0 | 38.6 | 27 | 33.4 | 30 | 22.8 | 21 | 18.4 | 30 |
| ha = 23.5 m. | MONTH | 03.9 | 04.1 | 02.7 | 03.1 | 26.3 | 30.6 | 38.1 | 29.7 | 38.7 | 23.6 | 42.8 | 2,10 | 33.4 | 30 | 28.9 | 1 | 18.4 | 30 |

# شهر ايلول ١٩٥٤

| درجة الندى (°م) Dew Point (°C) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأعشار) Mean Low Cloud Amount (OKTAS) G.M.T | | | | معدل مجموع الغيم الكلى (بالأعشار) Mean Total Cloud Amount OKTAS) G.M.T. | | | | مطول المطر المليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | أكثر كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in 24 hrs. | التاريخ Date |
| 10.8 | 13.3 | 11.4 | 9.8 | 46 | 38 | 19 | 31 | 13.1 | 15.4 | 14.0 | 12.4 | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | — |
| 10.8 | 11.9 | 12.1 | 10.7 | 60 | 37 | 22 | 42 | 13.0 | 14.1 | 14.5 | 13.1 | 0.3 | 0.8 | 1.5 | 0.4 | 1.0 | 1.8 | 1.9 | 1.0 | TR | TR | 15 |
| 10.1 | 9.5 | 11.2 | 12.0 | 66 | 35 | 21 | 58 | 12.5 | 12.0 | 13.0 | 14.3 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | — |
| 10.6 | 11.6 | 11.6 | 10.8 | 57 | 37 | 21 | 42 | 12.9 | 13.8 | 13.8 | 13.3 | 0.1 | 0.4 | 0.7 | 0.1 | 0.3 | 0.8 | 0.9 | 0.3 | TR | TR | 15 |
| 6.6 | 6.3 | 7.4 | 6.3 | 29 | 20 | 14 | 22 | 9.4 | 9.7 | 10.6 | 9.7 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.5 | 0.9 | 0.0 | 0.0 | 0.0 | — |
| 6.8 | 6.9 | 5.9 | 7.0 | 29 | 21 | 15 | 26 | 9.1 | 10.0 | 6.4 | 10.1 | 0.0 | 0.2 | 1.0 | 0.0 | 0.0 | 0.7 | 1.3 | 0.4 | 0.0 | 0.0 | — |
| 6.3 | 8.5 | 8.0 | 7.1 | 32 | 25 | 17 | 27 | 9.7 | 11.3 | 10.4 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | — |
| 6.4 | 7.2 | 7.1 | 6.8 | 30 | 22 | 15 | 25 | 9.4 | 10.3 | 9.1 | 10.0 | 0.0 | 0.1 | 0.4 | 0.0 | 0.0 | 0.4 | 0.8 | 0.1 | 0.0 | 0.0 | — |
| ... | 5.0 | 5.7 | 5.5 | ... | 18 | 11 | 18 | ... | 9.0 | 9.2 | 9.1 | ... | 0.0 | 0.4 | 0.2 | ... | 0.3 | 1.3 | 0.5 | 0.0 | 1.0 | — |
| ... | 1.2 | 2.1 | 2.6 | ... | 13 | 11 | 17 | ... | 6.4 | 6.9 | 7.3 | ... | 0.2 | 0.9 | 0.0 | ... | 0.2 | 1.3 | 0.0 | 0.0 | 0.0 | — |
| ... | 4.1 | 2.3 | 2.1 | ... | 20 | 9 | 17 | ... | 9.1 | 6.5 | 7.2 | ... | 0.0 | 0.3 | 0.0 | ... | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | — |
| ... | 3.4 | 3.4 | 3.4 | ... | 17 | 10 | 17 | ... | 8.2 | 7.5 | 7.9 | ... | 0.1 | 0.5 | 0.1 | ... | 0.2 | 1.0 | 0.2 | 0.0 | 1.0 | — |
| 7.6 | 10.7 | 10.6 | 10.7 | 27 | 27 | 16 | 28 | 10.7 | 13.0 | 10.5 | 13.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.1 | 0.0 | TR | TR | 8 |
| 7.8 | 8.3 | 10.7 | 11.1 | 34 | 28 | 15 | 36 | 10.9 | 11.3 | 9.7 | 13.6 | 0.0 | 0.0 | 0.6 | 0.0 | 0.1 | 0.2 | 0.7 | 0.0 | 0.0 | 0.0 | — |
| 7.2 | 8.5 | 9.5 | 9.4 | 39 | 31 | 15 | 33 | 10.4 | 11.2 | 8.7 | 12.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 7.5 | 9.2 | 10.3 | 10.4 | 33 | 29 | 15 | 33 | 10.7 | 11.9 | 9.6 | 13.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.2 | 0.3 | 0.0 | TR | TR | 8 |
| 10.5 | 12.6 | 11.6 | 13.0 | 35 | 31 | 17 | 31 | 12.8 | 14.7 | 13.8 | 15.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.5 | 0.1 | 0.3 | 0.2 | 0.0 | 0.0 | — |
| 10.6 | 10.3 | 10.3 | 13.0 | 42 | 34 | 18 | 38 | 12.9 | 13.0 | 15.5 | 15.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.2 | 0.2 | 0.5 | 0.1 | 0.0 | 0.0 | — |
| 8.9 | 9.7 | 9.5 | 10.3 | 43 | 34 | 18 | 31 | 11.4 | 12.1 | 12.0 | 12.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | — |
| 10.0 | 10.9 | 10.4 | 12.1 | 40 | 33 | 18 | 33 | 12.4 | 13.3 | 12.8 | 14.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.3 | 0.2 | 0.0 | 0.0 | — |
| 7.0 | 11.2 | 10.8 | 8.6 | 35 | 39 | 23 | 27 | 9.6 | 13.5 | 13.2 | 11.3 | 0.0 | 0.0 | 0.8 | 0.1 | 0.0 | 0.2 | 0.4 | 0.8 | 0.0 | 0.0 | — |
| 6.5 | 11.8 | 6.7 | 5.5 | 43 | 43 | 19 | 27 | 10.4 | 13.4 | 10.0 | 9.2 | 0.0 | 0.4 | 1.2 | 0.3 | 0.6 | 0.4 | 1.5 | 0.6 | 0.0 | 0.0 | — |
| 2.3 | 6.1 | 4.5 | 4.0 | 35 | 30 | 17 | 27 | 7.0 | 9.6 | 8.6 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 5.3 | 9.7 | 7.3 | 6.0 | 38 | 38 | 20 | 27 | 9.0 | 12.2 | 10.6 | 9.6 | 0.0 | 0.1 | 0.5 | 0.1 | 0.2 | 0.2 | 0.6 | 0.5 | 0.0 | 0.0 | — |
| 11.1 | 13.2 | 12.6 | 12.7 | 32 | 28 | 16 | 29 | 13.5 | 15.4 | 15.0 | 14.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.0 | 0.3 | 0.0 | 0.0 | — |
| 8.0 | 12.3 | 8.6 | 10.5 | 35 | 32 | 17 | 32 | 10.9 | 14.3 | 11.6 | 12.9 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | — |
| 10.1 | 13.1 | 9.9 | 10.5 | 44 | 39 | 18 | 33 | 12.5 | 15.1 | 12.5 | 12.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 9.7 | 12.9 | 10.4 | 11.2 | 37 | 33 | 17 | 31 | 12.3 | 14.9 | 13.0 | 13.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | — |
| 10.8 | 13.3 | 12.5 | 12.4 | 36 | 30 | 18 | 31 | 13.1 | 15.5 | 14.6 | 14.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.2 | 0.0 | 0.0 | — |
| 9.5 | 13.1 | 11.7 | 12.6 | 42 | 35 | 19 | 40 | 12.2 | 15.6 | 14.0 | 14.7 | 0.0 | 0.0 | 0.4 | 0.0 | 0.1 | 0.1 | 0.4 | 0.2 | 0.0 | 0.0 | — |
| 10.8 | 12.8 | 11.8 | 11.8 | 50 | 39 | 22 | 39 | 13.1 | 15.0 | 14.1 | 13.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 10.4 | 13.1 | 13.0 | 12.3 | 43 | 35 | 20 | 39 | 12.8 | 15.4 | 14.2 | 14.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | — |
| 13.2 | 12.7 | 9.0 | 14.3 | 41 | 23 | 12 | 34 | 14.9 | 14.9 | 11.6 | 16.6 | 0.0 | 0.8 | 0.1 | 0.0 | 0.8 | 0.1 | 0.2 | 0.2 | 0.0 | 0.0 | — |
| 11.3 | 11.4 | 9.9 | 14.8 | 46 | 29 | 18 | 41 | 13.9 | 13.7 | 13.2 | 17.4 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | — |
| 8.9 | 9.8 | 7.9 | 11.7 | 44 | 56 | 16 | 38 | 11.6 | 12.0 | 10.9 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| 11.1 | 11.1 | 8.9 | 13.6 | 44 | 29 | 15 | 38 | 13.5 | 13.5 | 11.9 | 16.0 | 0.0 | 0.3 | 0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0 |
| 20.1 | 21.6 | 21.9 | 25.3 | 61 | 52 | 35 | 71 | 23.7 | 26.0 | 26.5 | 32.5 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | — |
| 18.9 | 19.0 | 21.3 | 20.4 | 66 | 50 | 39 | 57 | 22.2 | 22.2 | 25.5 | 24.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 18.9 | 19.7 | 21.3 | 22.7 | 72 | 60 | 43 | 76 | 22.0 | 23.3 | 25.5 | 27.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 19.3 | 20.1 | 21.5 | 22.8 | 67 | 54 | 39 | 68 | 22.6 | 23.8 | 25.9 | 28.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | — |

| المحطة STATION | المدة Period | Numbers of Days. عدد الايام: مطر Rain | ثلج Snow | برد Hail | عاصفة رعدية Thunderstorms | ضباب Fog | زوبعة غبار Duststorm | الجو صحو Clear | الجو غائم Cloudy | هطول المطر بالمليمترات Rainfall (mms) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind Number of Observations. 0000 (G.M.T.) شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW | هادئ C. | معدل السرعة Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل Q = 36° 19' N. X = 43° 09' E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4 | 7 |
| | 11—20 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 1 |
| Hs. = 222.6 m. Hb. = 223.5 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| ha = 13.1 m. | MONTH | 0 | 0 | 0 | 1 | 0 | 1 | 24 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 3 | 22 | 3 |
| **Kirkuk** كركوك Q = 35° 28' N. X = 44° 21' E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 5 |
| ha = 9.2 m. | MONTH | 0 | 0 | 0 | 2 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 9 | 15 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 5 |
| **Khanaqin** خانقين Q = 34° 18' N. X = 45 26 E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. Hb. = 204.1 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| **Baghdad** بغداد Q = 33° 20' N. X = 44 24 E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 9 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 8 | 7 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 8 |
| ha = 17.7 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 9 | 2 | 0 | 0 | 1 | 0 | 1 | 13 | 4 | 8 |
| **Habbaniya** حبانية Q = 33° 21' N. X = 43 34 E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 5 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 3 |
| Hs. = 34.6 m. Hb. = 43.5 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 4 |
| ha = 14.9 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 11 | 14 | 4 |
| **Rutba** رطبة Q = 33° 02' N. X = 40 17 E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 2 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 5 | 5 |
| Hs. = 655.5 m. Hb. = 656.4 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 3 | 0 | 3 | 3 |
| ha = 16.1 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 5 | 2 | 15 | 3 |
| **Kut Al-Hai** كوت الحي Q = 32° 10' N. X = 46 03' E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 11 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 2 | 9 |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 0 | 0 | 6 |
| ha = 7.9 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 18 | 6 | 2 | 9 |
| **Diwaniya** الديوانية Q = 31° 59' N. X = 44 59 E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 9 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 3 | 2 | 0 | 7 |
| Hs. = 20.4 m. Hb. = 21.0 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 1 | 8 |
| ha = 5.8 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 1 | 0 | 14 | 0 | 0 | 0 | 1 | 0 | 11 | 3 | 1 | 8 |
| **Nasiriya** ناصرية Q = 31° 01' N. X = 46 14 E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 11 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 7 |
| Hs. = 8.0 m. Hb. = 8.7 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 2 | 2 | 6 |
| ha = 8.8 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 2 | 1 | 6 | 7 | 2 | 8 |
| **Basra** بصرة Q = 30° 34' N. X = 47 47 E. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | 1 | 4 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 | 4 |
| Hs. = 2.4 m. Hb = 13.7 m. | 21—30 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 4 |
| ha = 23.5 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 10 | 11 | 4 | 4 |

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

| 0600 (G.M.T.) | | | | | | | | | | 1200 (G.M.T.) | | | | | | | | | | 1800 (G.M.T.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| شمالي N. | شمالي شرقي NE | شرقي E. | جنوبي شرقي SE. | جنوبي S | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S | جنوبي غربي SW | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
| 6 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 2 | 4 |
| 2 | 4 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 8 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 1 | 2 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 2 |
| 4 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 0 | 7 | 3 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 7 | 2 |
| 12 | 5 | 2 | 0 | 0 | 1 | 0 | 9 | 1 | 8 | 6 | 4 | 1 | 1 | 5 | 2 | 3 | 6 | 2 | 7 | 0 | 1 | 0 | 0 | 1 | 3 | 7 | 2 | 16 | 3 |
| 5 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 |
| 1 | 2 | 2 | 3 | 2 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 3 | 0 | 6 | 3 | 2 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 2 |
| 2 | 3 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 6 | 1 | 2 | 0 | 0 | 2 | 1 | 4 | 1 | 0 | 6 | 4 | 3 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 5 |
| 8 | 5 | 3 | 5 | 1 | 1 | 1 | 4 | 2 | 6 | 3 | 1 | 0 | 0 | 5 | 2 | 10 | 9 | 0 | 7 | 13 | 6 | 1 | 2 | 1 | 0 | 1 | 3 | 3 | 4 |
| 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 2 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 2 |
| 0 | 0 | 2 | 0 | 1 | 0 | 1 | 1 | 5 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 0 | 9 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 5 | 3 |
| 0 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 5 | 5 | 1 | 1 | 1 | 0 | 0 | 1 | 4 | 2 | 0 | 9 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 4 | 3 |
| 1 | 1 | 5 | 0 | 1 | 0 | 5 | 1 | 16 | 4 | 3 | 1 | 1 | 0 | 0 | 2 | 15 | 6 | 0 | 9 | 4 | 0 | 2 | 0 | 0 | 1 | 3 | 5 | 15 | 3 |
| 5 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 8 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 11 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 6 |
| 2 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 8 | 2 | 1 | 0 | 0 | 2 | 0 | 1 | 4 | 0 | 11 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 4 | 4 |
| 3 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 12 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 4 | 2 | 6 |
| 10 | 3 | 0 | 0 | 0 | 0 | 2 | 11 | 4 | 8 | 12 | 1 | 0 | 0 | 3 | 0 | 3 | 11 | 0 | 11 | 1 | 1 | 0 | 0 | 2 | 1 | 5 | 12 | 8 | 5 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 9 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 1 | 11 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 3 | 4 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 9 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 5 | 1 | 9 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 7 | 3 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2 | 6 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 9 | 4 | 1 | 0 | 0 | 0 | 3 | 1 | 19 | 2 | 10 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 14 | 12 | 4 |
| 5 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 11 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 4 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 4 |
| 0 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 6 | 1 | 0 | 1 | 0 | 2 | 2 | 2 | 2 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 2 | 4 |
| 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 3 | 3 |
| 6 | 3 | 0 | 0 | 1 | 1 | 4 | 8 | 7 | 7 | 4 | 0 | 1 | 1 | 2 | 3 | 7 | 8 | 4 | 6 | 5 | 3 | 1 | 0 | 0 | 1 | 5 | 8 | 7 | 4 |
| 2 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 | 10 | 1 | 0 | 0 | 0 | 1 | 0 | 5 | 3 | 0 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 9 |
| 1 | 0 | 0 | 0 | 2 | 0 | 6 | 1 | 0 | 6 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 0 | 0 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 8 |
| 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 6 |
| 3 | 0 | 0 | 0 | 2 | 0 | 17 | 8 | 0 | 8 | 1 | 0 | 0 | 0 | 2 | 2 | 22 | 3 | 0 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 25 | 1 | 1 | 8 |
| 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 6 |
| 5 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 0 | 10 | 4 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 | 4 |
| 4 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 1 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 1 | 6 |
| 16 | 1 | 0 | 0 | 0 | 0 | 11 | 1 | 1 | 8 | 13 | 0 | 0 | 0 | 0 | 1 | 11 | 3 | 2 | 11 | 3 | 0 | 0 | 0 | 0 | 1 | 11 | 6 | 4 | 5 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 14 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 |
| 2 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 8 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 6 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 0 | 7 |
| 7 | 0 | 0 | 0 | 0 | 2 | 3 | 13 | 0 | 9 | 17 | 0 | 1 | 0 | 0 | 0 | 1 | 11 | 0 | 11 | 14 | 1 | 0 | 0 | 0 | 0 | 3 | 12 | | 7 |
| 0 | 0 | 0 | 0 | 0 | 1 | 5 | 4 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 2 | 2 | 4 |
| 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 3 |
| 0 | 0 | 0 | 0 | 0 | 1 | 13 | 13 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 21 | 1 | 6 | 6 | 0 | 0 | 0 | 0 | 1 | 4 | 13 | 6 | 3 |

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحاليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha. متر Meters | Ha متر Meters | DISTRIBUTION OF WIND توزيع الريح: اكثر من ٣٥ عقدة ▶ 35 Kts. | استدامة Duration ساعات hrs. | ٢١ الى ٣٥ عقدة 21–35 Kts. | عدد الايام No. of days | DURATION استدامة: ١١–٢٠ عقدة 11–20 Kts. ساعات hrs. | ٤–١٠ عقدة 4–10 Kts. ساعات hrs. | أقل من ٤ عقدة ◁ 4 Kts. ساعات hrs. | لا يعد No. Record ساعات hrs. | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind: الاتجاه Veer. From N درجات deg. | السرعة Speed. عقدة Knots | الساعة المنتهي فيها Hour ended at س h. | ي d. | أعلى عصفة Highest Gust: السرعة Speed. عقدة Knots. | الوقت Time د d. | س h. | ي s. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | 0 | ... | 0 | 161 | 488 | 114 | 7 | 310 | 18 | 10<br>20 | 1600<br>1400 | 29 | 2 | 14 | 35 |

## ADDITIONAL DATA — معلومات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun shine (hours) | درجة حرارة الارض Temperature of Earth: على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days: الصقيع الارضي Ground from. | النهاية العظمى الصغرى: أقل من ٢١ Min ◁ 21 | أكثر من ٤٦ Max ◁ 46 | عدد مرات كون الغيم اكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 300 Meters. | قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية 3 Hourly Values of Temp °C and Relative Himidity % — الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 311.2 | 14.5 | 31.9 | 30.9 | ... | 0 | 22 | 1 | 0 | الحرارة Temperature | 19.8 | 17.8 | 27.9 | 37.3 | 38.7 | 33.6 | 25.8 | 21.3 |
| | | | | | | | | | | الرطوبة Humidity | 57 | 65 | 37 | 23 | 20 | 32 | 42 | 52 |
| KIRKUK ... | ... | ... | 33.3 | 29.0 | ... | 0 | 1 | 1 | 0 | الحرارة Temperature | 25.1 | 24.2 | 32.7 | 36.8 | 38.0 | 35.1 | 23.3 | 26.6 |
| | | | | | | | | | | الرطوبة Humidity | 30 | 31 | 2 | 17 | 15 | 17 | 25 | 23 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 0 | 3 | 0 | الحرارة Temperature | ... | 22.8 | 32.1 | ... | 39.3 | 36.1 | 31.2 | ... |
| | | | | | | | | | | الرطوبة Humidity | ... | 24 | 17 | ... | 10 | 14 | 17 | ... |
| BAGHDAD ... | 336.7 | 18.0 | 33.1 | 31.2 | ... | 0 | 2 | 4 | 0 | الحرارة Temperature | 25.8 | 23.6 | 26.3 | 37.0 | 39.0 | 35.9 | 29.2 | 27.2 |
| | | | | | | | | | | الرطوبة Humidity | 33 | 38 | 29 | 20 | 15 | 23 | 33 | 33 |
| HABBANIYA ... | 336.5 | ... | 33.3 | 32.2 | ... | 0 | 0 | 3 | 0 | الحرارة Temperature | 24.8 | 22.6 | 29.1 | 37.3 | 39.7 | 36.1 | 29.7 | 26.8 |
| | | | | | | | | | | الرطوبة Humidity | 40 | 45 | 33 | 21 | 18 | 25 | 33 | 38 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 14 | 0 | 0 | الحرارة Temperature | 20.0 | 18.4 | 25.6 | 33.0 | 34.3 | 32.8 | 27.0 | 22.9 |
| | | | | | | | | | | الرطوبة Humidity | 38 | 43 | 38 | 25 | 20 | 20 | 27 | 33 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 2 | 3 | 0 | الحرارة Temperatus | 25,6 | 23.7 | 31.3 | 39.3 | 40.8 | 35.9 | 30.5 | ... |
| | | | | | | | | | | الرطوبة Humidity | 37 | 42 | 33 | 19 | 17 | 24 | 31 | ... |
| DIWANIYA ... | ... | ... | ... | ... | ... | 0 | 1 | 6 | 0 | الحرارة Temperature | 24.6 | 22.7 | 31.3 | 38.2 | 39.3 | 35.3 | 29.2 | 26.8 |
| | | | | | | | | | | الرطوبة Humidity | 43 | 47 | 35 | 24 | 20 | 27 | 36 | 38 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 9 | 0 | الحرارة Temperature | 24.5 | 22.9 | 31.7 | 39.7 | 41.3 | 34.5 | 39.5 | ... |
| | | | | | | | | | | الرطوبة Humidity | 44 | 43 | 29 | 18 | 15 | 28 | 38 | ... |
| BASRA ... | 328.8 | 16.9 | ... | ... | 27.9 | 0 | 0 | 0 | 0 | الحرارة Temperature | 26.3 | 24.4 | 30.6 | 36.2 | 38.1 | 33.3 | 29.7 | 27.8 |
| | | | | | | | | | | الرطوبة Humidity | 67 | 65 | 54 | 45 | 39 | 57 | 68 | 65 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS. — مدلولات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo .... | 37 | 08 | 42 | 41 | 0.0 | Sulaimanya ... | 35 | 33 | 45 | 25 | 0.0 | Hilla ... | 32 | 29 | 44 | 26 | 0.0 |
| Amadia ... | 37 | 05 | 43 | 30 | 0.0 | Chamchamal ... | 35 | 32 | 44 | 51 | 0.0 | Hit .... | 33 | 4 | 42 | 55 | 0.0 |
| Aqra ... | 36 | 45 | 43 | 53 | 0.0 | Penjwin ... | 35 | 37 | 45 | 58 | 0.0 | Hindiya ... | 32 | 42 | 44 | 17 | 0.0 |
| Duhok ... | 36 | 52 | 43 | 02 | 0.0 | Halabja ... | 35 | 11 | 45 | 59 | 0.0 | Karbal ... | 32 | 37 | 44 | 01 | 0.0 |
| Sanat ... | 36 | 47 | 42 | 48 | 0.0 | Chwarta ... | 35 | 44 | 45 | 33 | 0.0 | Anah ... | 32 | 28 | 41 | 57 | 0.0 |
| Sarsank ... | 36 | 58 | 43 | 32 | 0.0 | Bakrajo ... | 35 | 34 | 45 | 23 | 0.0 | Samawa ... | 31 | 20 | 45 | 15 | 0.0 |
| Sijar ... | 36 | 19 | 41 | 50 | 0.0 | Iftikhar ... | 35 | 03 | 44 | 27 | 0.0 | Kut ... | 32 | 30 | 45 | 45 | 0.0 |
| Telafar ... | 36 | 22 | 42 | 28 | 0.0 | Al-Mansur .... | 34 | 05 | 44 | 58 | 0.0 | Qala't Sukar ... | 31 | 52 | 46 | 05 | 0.0 |
| Arbil ... | 36 | 11 | 44 | 00 | 0.0 | Tuz ... | 34 | 50 | 44 | 30 | 0.0 | A'mara ... | 31 | 51 | 47 | 10 | 0.0 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 0.0 | Jalawla .... | 34 | 16 | 45 | 09 | 0.0 | Bada'a ... | 31 | 05 | 45 | 55 | 0.0 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | 0.0 | Mandily ... | 33 | 45 | 45 | 33 | 0.0 | Ur ... | 30 | 58 | 46 | 05 | 0.0 |
| Rayat ... | 36 | 41 | 44 | 57 | 0.0 | Samarra ... | 34 | 11 | 43 | 50 | 0.0 | Fao ... | 29 | 59 | 48 | 30 | 0.0 |

## NOTES ON TABLES

***Mean Air Pressure.***— Is expressed in the millibars, the initial 6 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0300 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all abservation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

**Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office, Air Ministry London.**

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٢٩٥٣١ر٠ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥ . لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق . ان ارتفاع بصلات المحارير ٣ر١م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف المدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٢ر٠ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/٠١ والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨/٧ أو ٨/٠٨

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≤ ٨ اذا كان الريح مساويا الى هذين المقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح ( الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كرينيج = وقت بغداد المحلي - ٣ ساعات

ان مدلولات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر باذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT.

**MONTHLY WEATHER REPORT.**

**التقرير الجوي الشهري**

**OCTOBER 1954**

**تشرين الاول ١٩٥٤**

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تمنيات مدير الانواء الجوية
توفيق فتاح

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WEATHER BUREAU

# MONTH OCTOBER 1954

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Mosul*** موصل Q = 36° 28′ N. X = 44° 24′ E. | 1-10 | 12.1 | 13.0 | 09.8 | 11.9 | 13.5 | 21.7 | 34.8 | 19.7 | 35.7 | 10.7 | 39.8 | 1 | 33.0 | 5 | 17.0 | 8 | 6.1 | 6 |
| Hs. = 222.6 m. | 11-20 | 15.9 | 16.9 | 13.5 | 15.3 | 13.1 | 21.3 | 34.6 | 18.6 | 35.7 | 10.6 | 37.7 | 14 | 32.6 | 19 | 13.9 | 12 | 8.9 | 15 |
| Hb. = 228.6 m. | 21-31 | 15.3 | 16.1 | 12.8 | 14.6 | 15.9 | 20.2 | 30.1 | 18.8 | 32.0 | 13.7 | 35.0 | 22 | 28.5 | 31 | 17.5 | 23 | 6.8 | 20 |
| ha = 13.2 m. | MONTH | 14.4 | 15.4 | 12.0 | 14.0 | 14.2 | 21.1 | 33.2 | 19.0 | 34.4 | 11.7 | 39.8 | 1 | 28.5 | 31 | 17.6 | 23 | 6.1 | 6 |
| ***Kirkuk*** كركوك Q = 35° 78′ N. X = 44° 24′ E. | 1-10 | 09.8 | 10.1 | 08.0 | 10.3 | 20.9 | 27.9 | 34.8 | 24.7 | 35.5 | 19.1 | 39.0 | 1 | 31.4 | 6 | 24.2 | 1 | 16.4 | 6 |
| Hs. = 330.8 m. | 11-20 | 13.8 | 14.4 | 11.9 | 13.9 | 21.8 | 27.7 | 33.3 | 24.0 | 34.3 | 20.0 | 38.3 | 12 | 31.8 | 18,19 | 23.6 | 12 | 14.6 | 20 |
| Hb. = 331.7 m. | 21-31 | 13.6 | 14.3 | 11.2 | 13.2 | 19.9 | 24.1 | 29.8 | 22.7 | 30.9 | 18.0 | 34.7 | 21 | 27.3 | 31 | 22.8 | 23 | 15.4 | 26 |
| ha = 8.2 m. | MONTH | 12.4 | 13.0 | 10.6 | 12.5 | 20.8 | 26.5 | 32.6 | 23.8 | 33.5 | 19.1 | 39.0 | 1 | 27.3 | 31 | 24.2 | 1 | 14.6 | 5 |
| ***Khanaqin*** خانقين Q = 34° 18 N. X = 45° 26 E. | 1-10 | ... | 09.7 | 07.7 | 09.8 | ... | 28.1 | 36.2 | 25.9 | 37.1 | 18.3 | 40.0 | 1 | 34.4 | 9 | 25.5 | 1 | 15.0 | 6 |
| Hs. = 201.2 m. | 11-20 | ... | 12.9 | 11.1 | 13.1 | ... | 27.8 | 34.4 | 25.4 | 35.1 | 17.7 | 38.9 | 11,12 | 32.2 | 20 | 20.5 | 16 | 14.4 | 20 |
| Hb. = 204.1 m. | 21-31 | ... | 13.8 | 11.3 | 12.9 | ... | 21.3 | 31.8 | 23.6 | 32.7 | 17.4 | 36.1 | 21 | 28.3 | 26 | 21.2 | 23,25 26 | 13.9 | 27,28,31 |
| ha = 6.1 m. | MONTH | ... | 12.2 | 10.1 | 12.0 | ... | 26.6 | 34.1 | 24.9 | 34.9 | 17.8 | 40.0 | 1 | 28.3 | 26 | 25.5 | 1 | 13.9 | 27,28,31 |
| ***Baghdad*** بغداد Q = 33° 20′ N. X = 44° 24′ E. | 1-10 | 10.2 | 11.1 | 09.5 | 10.5 | 22.8 | 26.2 | 36.4 | 25.7 | 36.7 | 18.8 | 39.2 | 7 | 34.7 | 9 | 20.4 | 4 | 16.3 | 16 |
| Hs. = 34.1 m. | 11-20 | 13.6 | 15.2 | 13.0 | 13.8 | 20.1 | 24.1 | 34.5 | 23.6 | 35.0 | 16.9 | 38.6 | 11 | 31.8 | 16 | 19.0 | 12 | 14.6 | 17 |
| Hb. = 40.4 m. | 21-31 | 13.5 | 14.7 | 11.9 | 14.0 | 20.4 | 23.3 | 31.8 | 22.7 | 32.4 | 17.4 | 26.3 | 21 | 29.0 | 27 | 23.8 | 25 | 13.2 | 27 |
| ha = 17.7 m. | MONTH | 12.4 | 13.7 | 11.4 | 12.8 | 21.1 | 24.5 | 34.0 | 23.9 | 34.6 | 17.7 | 39.2 | 7 | 29.0 | 27 | 23.8 | 25 | 13.2 | 27 |
| ***Habbaniyah*** حبانية Q = 33° 22′ N. X = 44° 2′ E. | 1-10 | 09.4 | 11.4 | 09.3 | 10.2 | 20.1 | 25.1 | 36.5 | 25.4 | 36.7 | 17.9 | 38.9 | 7 | 33.9 | 9 | 21.1 | 8 | 16.6 | 5,6 |
| Hs. = 43.6 m. | 11-20 | 13.4 | 15.3 | 13.8 | 13.9 | 19.6 | 23.8 | 35.2 | 23.8 | 35.6 | 16.6 | 38.9 | 11 | 32.8 | 18 | 18.9 | 13 | 14.4 | 16 |
| Hb. = 44.5 m. | 21-30 | 13.2 | 14.4 | 11.6 | 14.0 | 20.5 | 23.4 | 31.4 | 24.1 | 32.8 | 17.2 | 36.1 | 21 | 29.4 | 26,27 | 21.6 | 25 | 15.0 | 27,29,30 31 |
| ha = 14.9 m. | MONTH | 12.0 | 13.7 | 11.2 | 12.7 | 20.1 | 24.0 | 34.3 | 24.4 | 35.2 | 17.3 | 38.9 | 7,11 | 29.4 | 26,27 | 21.6 | 25 | 14.4 | 16 |
| ***Rutba*** رطبة Q = 33° 03 N. X = 40° 17 E. | 1-10 | 11.9 | 12.9 | 10.6 | 12.1 | 16.3 | 22.8 | 32.8 | 23.5 | 32.5 | 13.6 | 37.5 | 10 | 22.7 | 9 | 16.7 | 3 | 10.3 | 5 |
| Hs. = 615.5 m. | 11-20 | 16.5 | 17.1 | 14.6 | 16.0 | 15.2 | 21.5 | 31.6 | 21.6 | 32.5 | 12.8 | 37.7 | 11 | 29.2 | 18 | 14.4 | 12 | 10.7 | 15 |
| Hb. = 656.4 m. | 21-30 | 13.8 | 14.3 | 12.5 | 14.1 | 15.5 | 19.4 | 26.0 | 18.5 | 27.5 | 13.1 | 29.7 | 29 | 23.0 | 31 | 17.2 | 21 | 10.4 | 24,25 |
| ha = 16.[illegible] m. | MONTH | 13.7 | 15.9 | 12.6 | 14.1 | 15.7 | 21.2 | 30.0 | 21.1 | 30.8 | 12.2 | 37.7 | 11 | 22.7 | 9 | 17.2 | 21 | 10.3 | 5 |
| ***Kut Al-Hai*** كوت الحي Q = 32° 10 N. X = 46° 03 E. | 1-10 | 08.5 | 09.8 | 08.5 | 09.5 | 21.2 | 23.5 | 33.2 | 27.6 | 33.1 | 18.4 | 40.1 | 1 | 37.0 | 6 | 20.8 | 5 | 15.3 | 1 |
| Hs. = 14.9 m. | 11-20 | 12.7 | 14.2 | 12.6 | 13.0 | 20.9 | 26.6 | 35.7 | 25.2 | 36.3 | 18.2 | 39.9 | 11 | 33.8 | 9 | 21.8 | 11 | 13.0 | 18 |
| Hb. = 16.1 m. | 21-30 | 13.1 | 14.2 | 12.1 | 13.0 | 19.4 | 24.5 | 32.7 | 22.9 | 34.0 | 16.2 | 36.9 | 21 | 30.1 | 27 | 18.5 | 25 | 13.9 | 30 |
| ha = 7.9 m. | MONTH | 11.4 | 12.7 | 11.1 | 11.9 | 20.5 | 26.5 | 35.5 | 25.1 | 36.5 | 17.6 | 40.1 | 1 | 30.1 | 27 | 21.8 | 11 | 13.0 | 18 |
| ***Diwaniya*** ديوانية Q = 31° 59 N. X = 41° 59 E. | 1-10 | 08.1 | 10.1 | 08.2 | 09.4 | 20.6 | 23.1 | 37.6 | 26.1 | 38.7 | 18.1 | 40.3 | 1 | 37.1 | 6 | 20.2 | 9 | 16.0 | 1,4 |
| Hs. = 20.4 m. | 11-20 | 12.3 | 14.4 | 12.0 | 12.8 | 18.9 | 25.9 | 35.5 | 24.5 | 36.3 | 17.1 | 39.0 | 11 | 34.0 | 19 | 21.0 | 11 | 14.0 | 19 |
| Hb. = 21.0 m | 21-31 | 12.2 | 13.5 | 11.0 | 12.1 | 19.6 | 24.5 | 31.8 | 23.0 | 34.0 | 16.0 | 38.0 | 23 | 30.2 | 26 | 21.0 | 25 | 12.0 | 21 |
| ha = 5.8 m. | MONTH | 10.9 | 12.7 | 10.4 | 11.4 | 19.7 | 26.2 | 34.9 | 24.5 | 36.5 | 17.1 | 40.3 | 1 | 30.2 | 26 | 21.0 | 25 | 12.0 | 31 |
| ***Nasiriya*** ناصرية Q = 31° 01 N. X = 46° 14 E. | 1-10 | 08.6 | 10.6 | 08.8 | 09.8 | 19.7 | 27.8 | 33.8 | 26.4 | 39.0 | 16.7 | 40.2 | 2 | 37.6 | 6 | 19.4 | 6 | 13.5 | 1,2 |
| Hs. = 3.0 m. | 11-20 | 12.8 | 14.7 | 12.4 | 13.2 | 20.1 | 26.5 | 36.1 | 21.9 | 37.6 | 18.0 | 41.0 | 11 | 34.7 | 17 | 20.5 | 18 | 16.1 | 14 |
| Hb. = 3.7 m. | 21-31 | 12.8 | 14.3 | 11.9 | 13.4 | 19.0 | 26.4 | 32.7 | 23.9 | 34.2 | 17.1 | 38.3 | 23 | 31.0 | 27 | 21.6 | 25 | 13.7 | 30 |
| ha = 3.8 m. | MONTH | 11.4 | 13.2 | 11.0 | 12.2 | 19.6 | 26.9 | 35.7 | 25.0 | 36.9 | 17.3 | 41.0 | 11 | 31.0 | 27 | 21.6 | 25 | 13.5 | 1,2 |
| ***Basrah*** بصره Q = 30° 34 N. X = 47° 47 E. | 1-10 | 07.9 | 09.3 | 08.0 | 08.6 | 21.3 | 27.5 | 35.9 | 26.6 | 36.9 | 19.3 | 39.1 | 4 | 34.8 | 7 | 22.0 | 6 | 16.4 | 1 |
| Hs. = 24 m. | 11-20 | 12.1 | 13.7 | 12.1 | 12.7 | 21.0 | 26.6 | 33.9 | 25.4 | 34.6 | 18.7 | 37.3 | 11 | 32.2 | 14 | 20.4 | 17 | 17.2 | 11 |
| Hb. = 13.7 m. | 21-31 | 12.8 | 14.0 | 11.9 | 12.8 | 20.6 | 24.9 | 32.9 | 23.8 | 34.1 | 18.3 | 36.8 | 24 | 30.0 | 27 | 24.2 | 23 | 15.4 | 30 |
| ha = 23.5 m. | MONTH | 11.0 | 12.4 | 10.7 | 11.4 | 20.9 | 26.3 | 34.2 | 25.2 | 35.2 | 18.9 | 39.1 | 4 | 30.0 | 27 | 24.2 | 26 | 15.4 | 30 |

# شهر تشرين الاول ١٩٥٤

| درجة الندى (م°) Dew Point (°C) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأعمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأعمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | هطول المطر بالمليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | اعلى كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in 24(hrs.) | التاريخ Date |
| 5.7 | 6.6 | 8.5 | 9.4 | 60 | 38 | 21 | 53 | 9.3 | 10.0 | 11.5 | 12.0 | 0.6 | 0.6 | 0.8 | 0.7 | 0.6 | 0.9 | 1.3 | 0.8 | TR | TR | 17 |
| 8.0 | 8.5 | 12.2 | 10.5 | 73 | 45 | 27 | 62 | 10.9 | 11.2 | 14.3 | 12.9 | 0.3 | 0.3 | 0.5 | 0.2 | 1.7 | 2.2 | 2.0 | 1.1 | 0.0 | 0.0 | — |
| 10.2 | 12.6 | 14.7 | 11.9 | 72 | 62 | 39 | 65 | 12.6 | 14.8 | 16.9 | 14.0 | 2.0 | 3.0 | 2.5 | 1.6 | 3.0 | 5.6 | 5.6 | 2.8 | 3.8 | 1.6 | 21 |
| 8.1 | 9.3 | 11.8 | 10.5 | 68 | 49 | 29 | 60 | 10.9 | 12.0 | 14.2 | 13.0 | 1.0 | 1.3 | 1.3 | 0.8 | 1.8 | 2.9 | 3.0 | 1.6 | 3.8 | 1.6 | 21 |
| 2.9 | 4.3 | 4.5 | 4.8 | 36 | 24 | 16 | 23 | 7.5 | 8.5 | 8.7 | 8.8 | 0.4 | 0.0 | 0.0 | 0.1 | 0.4 | 0.3 | 0.3 | 0.3 | 0.0 | 0.0 | — |
| 4.4 | 5.7 | 5.0 | 4.6 | 33 | 25 | 18 | 29 | 8.3 | 9.9 | 8.9 | 8.6 | 0.0 | 0.0 | 0.2 | 0.0 | 1.8 | 1.8 | 1.6 | 0.7 | 0.0 | 0.0 | — |
| 5.3 | 7.2 | 5.8 | 6.3 | 40 | 34 | 23 | 37 | 9.0 | 10.3 | 9.5 | 9.7 | 0.7 | 2.0 | 1.4 | 0.7 | 1.8 | 5.2 | 5.4 | 2.2 | 1.0 | 1.0 | 31 |
| 4.2 | 5.8 | 5.1 | 5.2 | 37 | 28 | 19 | 32 | 8.3 | 9.4 | 9.0 | 9.0 | 0.4 | 0.7 | 0.6 | 0.3 | 1.4 | 2.5 | 2.5 | 1.1 | 1.0 | 1.0 | 31 |
| ... | 2.0 | 0.9 | 0.7 | ... | 19 | 10 | 77 | ... | 6.9 | 6.2 | 5.6 | ... | 0.4 | 0.8 | 0.0 | ... | 0.8 | 1.8 | 0.0 | 0.0 | 0.0 | — |
| ... | 3.2 | 4.1 | 2.7 | ... | 21 | 15 | 23 | ... | 7.8 | 8.2 | 7.4 | ... | 0.4 | 0.9 | 0.4 | ... | 1.6 | 2.0 | 2.0 | 0.0 | 0.0 | — |
| ... | 5.0 | 4.5 | 3.6 | ... | 29 | 20 | 28 | ... | 8.9 | 8.7 | 7.9 | ... | 1.3 | 2.5 | 2.0 | ... | 4.7 | 6.0 | 2.4 | TR | TR | 26 |
| ... | 3.4 | 3.2 | 2.3 | ... | 23 | 15 | 23 | ... | 7.9 | 7.7 | 7.0 | ... | 0.7 | 1.4 | 0.8 | ... | 2.4 | 3.3 | 1.5 | TR | TR | 26 |
| 4.7 | 6.4 | 7.3 | 8.2 | 32 | 29 | 17 | 38 | 9.8 | 9.7 | 10.4 | 11.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 0.6 | 0.0 | TR | TR | 7 |
| 7.7 | 9.7 | 6.0 | 11.0 | 46 | 41 | 18 | 45 | 10.8 | 12.3 | 9.4 | 12.8 | 0.0 | 0.8 | 0.6 | 0.0 | 1.6 | 2.8 | 2.1 | 1.3 | 0.0 | 0.0 | — |
| 7.9 | 8.7 | 9.3 | 11.1 | 47 | 41 | 26 | 50 | 11.0 | 11.4 | 11.9 | 13.4 | 0.5 | 0.5 | 2.0 | 0.7 | 1.5 | 3.0 | 4.4 | 2.9 | 10.8 | 10.8 | 31 |
| 6.8 | 8.3 | 7.6 | 10.1 | 42 | 37 | 20 | 44 | 10.5 | 11.2 | 10.6 | 12.7 | 0.2 | 0.4 | 0.7 | 0.2 | 1.1 | 2.2 | 2.4 | 1.4 | 10.8 | 10.8 | 31 |
| 7.0 | 8.8 | 7.5 | 9.5 | 43 | 36 | 19 | 37 | 10.1 | 11.4 | 11.5 | 12.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.8 | 0.3 | 0.2 | 0.0 | 0.0 | — |
| 7.3 | 9.6 | 7.5 | 9.3 | 45 | 41 | 20 | 41 | 10.8 | 12.1 | 11.5 | 11.8 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 3.0 | 2.2 | 1.7 | 0.0 | 0.0 | — |
| 9.5 | 11.1 | 10.0 | 10.5 | 52 | 47 | 27 | 43 | 12.0 | 13.3 | 12.4 | 12.7 | 0.0 | 0.0 | 1.0 | 4.0 | 2.2 | 3.5 | 3.0 | 3.5 | TR | TR | 29,31 |
| 8.0 | 9.8 | 8.3 | 9.8 | 47 | 41 | 22 | 40 | 10.8 | 12.3 | 11.8 | 12.2 | 0.0 | 0.0 | 0.3 | 1.3 | 1.5 | 2.4 | 1.8 | 1.8 | TR | TR | 29,31 |
| 2.4 | 6.0 | 5.3 | 4.4 | 41 | 35 | 19 | 29 | 7.5 | 9.7 | 9.2 | 8.6 | 0.2 | 0.0 | 0.5 | 0.0 | 0.4 | 0.4 | 1.2 | 0.8 | 0.0 | 0.0 | — |
| —1.2 | 0.5 | 1.6 | 0.8 | 31 | 25 | 15 | 25 | 5.6 | 6.5 | 7.1 | 6.6 | 0.0 | 0.1 | 0.4 | 0.2 | 2.0 | 2.3 | 3.2 | 1.3 | TR | TR | 20 |
| 6.8 | 6.9 | 4.9 | 7.4 | 58 | 45 | 29 | 52 | 10.1 | 10.1 | 9.1 | 10.6 | 2.0 | 2.0 | 3.2 | 3.5 | 2.9 | 2.9 | 4.2 | 3.8 | 4.5 | 2.3 | 24 |
| 2.7 | 4.5 | 4.0 | 4.3 | 43 | 34 | 21 | 36 | 7.3 | 8.8 | 8.5 | 8.6 | 0.8 | 0.7 | 1.4 | 1.3 | 1.8 | 1.9 | 2.9 | 2.0 | 4.5 | 2.3 | 24 |
| 6.6 | 9.9 | 7.7 | 7.7 | 40 | 32 | 16 | 29 | 9.2 | 12.3 | 10.8 | 10.6 | 0.0 | 0.0 | 0.0 | 0.5 | 0.1 | 0.6 | 0.7 | 0.6 | 0.0 | 0.0 | — |
| 8.7 | 12.2 | 9.9 | 10.9 | 47 | 43 | 22 | 41 | 11.5 | 14.5 | 12.3 | 13.0 | 0.2 | 0.0 | 0.2 | 0.0 | 0.2 | 1.0 | 1.7 | 0.0 | 0.0 | 0.0 | — |
| 9.4 | 10.7 | 10.3 | 9.9 | 54 | 42 | 27 | 45 | 11.9 | 13.0 | 12.6 | 12.4 | 0.3 | 1.0 | 2.0 | 0.6 | 0.4 | 3.0 | 3.0 | 0.6 | 2.0 | 1.9 | 25 |
| 8.2 | 10.9 | 9.3 | 9.5 | 37 | 39 | 22 | 38 | 10.9 | 12.0 | 11.9 | 12.0 | 0.2 | 0.3 | 0.7 | 0.4 | 0.2 | 1.5 | 1.8 | 0.4 | 2.0 | 1.9 | 25 |
| 7.6 | 11.3 | 11.2 | 9.9 | 45 | 37 | 21 | 38 | 10.6 | 13.6 | 13.5 | 12.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.8 | 0.6 | 0.0 | 0.0 | — |
| 9.9 | 13.5 | 12.5 | 10.7 | 57 | 48 | 27 | 43 | 12.3 | 15.7 | 15.0 | 13.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 2.0 | 2.3 | 0.0 | 0.0 | 0.0 | — |
| 10.8 | 14.3 | 15.3 | 12.2 | 60 | 55 | 39 | 52 | 13.0 | 16.5 | 17.6 | 14.4 | 0.0 | 1.0 | 1.6 | 0.4 | 0.5 | 3.3 | 3.4 | 1.4 | 2.3 | 2.3 | 31 |
| 9.4 | 13.0 | 13.0 | 10.9 | 54 | 47 | 29 | 44 | 12.0 | 15.3 | 15.4 | 13.3 | 0.0 | 0.6 | 0.5 | 0.1 | 0.2 | 1.8 | 2.2 | 0.7 | 2.3 | 2.3 | 31 |
| 7.6 | 7.3 | 4.5 | 9.8 | 45 | 29 | 13 | 32 | 10.8 | 10.7 | 8.6 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.6 | 0.0 | 0.0 | — |
| 8.9 | 8.1 | 7.0 | 10.7 | 51 | 33 | 20 | 43 | 11.9 | 11.3 | 11.7 | 13.3 | 0.8 | 0.0 | 0.0 | 0.0 | 0.8 | 1.4 | 2.0 | 2.0 | 0.0 | 0.0 | — |
| 10.3 | 10.3 | 9.5 | 11.3 | 54 | 40 | 24 | 47 | 13.0 | 13.0 | 12.0 | 13.5 | 0.5 | 0.6 | 1.2 | 1.0 | 0.7 | 2.9 | 3.0 | 2.5 | 8.5 | 8.5 | 31 |
| 8.9 | 8.8 | 7.0 | 10.6 | 50 | 34 | 19 | 41 | 11.4 | 11.7 | 10.8 | 12.6 | 0.4 | 0.2 | 0.4 | 0.3 | 0.5 | 1.5 | 1.7 | 1.7 | 8.5 | 8.5 | 31 |
| 15.1 | 19.4 | 19.1 | 19.1 | 69 | 62 | 38 | 64 | 17.4 | 22.7 | 22.3 | 22.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | — |
| 17.4 | 18.1 | 20.0 | 19.9 | 81 | 61 | 45 | 72 | 20.2 | 21.4 | 23.7 | 23.5 | 0.0 | 0.0 | 0.4 | 0.8 | 0.4 | 1.2 | 1.8 | 1.0 | 0.0 | 0.0 | — |
| 15.6 | 16.1 | 14.5 | 16.9 | 76 | 59 | 34 | 66 | 18.1 | 18.5 | 16.8 | 19.4 | 0.0 | 0.1 | 0.1 | 0.4 | 1.0 | 2.0 | 1.2 | 1.3 | 4.2 | 4.2 | 31 |
| 16.0 | 17.8 | 17.8 | 18.6 | 75 | 60 | 39 | 67 | 18.5 | 20.8 | 20.8 | 21.5 | 0.0 | 0.0 | 0.2 | 0.4 | 0.5 | 1.1 | 1.0 | 0.8 | 4.2 | 4.2 | 31 |

# MONTH OCTOBER 1954

| المحطة STATION | المدة Period | Numbers of Days. عدد الايام: مطر Rain | ثلج Snow | برد Hail | عاصفة رعدية Thunderstorms | ضباب Fog | زوبعة غبار Duststorm | الجو صحو Clear | الجو غائم Cloudy | هطول المطر بالمليمترات Rainfall (mms.) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observations. 0000 (G.M.T.): شمالي N. | شمال شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمال غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Mosul*** موصل | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 36° 19′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 1 |
| X = 43° 09′ E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| Hs. = 222.6 m. Hb. = 223.5 m. | 21—31 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 | 2 |
| ha = 13.1 m. | MONTH | 4 | 0 | 0 | 1 | 0 | 0 | 13 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 28 | 1 |
| ***Kirkuk*** كركوك | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| X = 44° 24′ E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21—31 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 3 | 0 | 1 | 0 | 1 | 0 | 1 | 4 |
| ha = 8.2 m. | MONTH | 1 | 0 | 0 | 0 | 0 | 1 | 18 | 0 | 1 | 0 | 0 | 0 | 7 | 15 | 5 | 1 | 1 | 0 | 1 | 0 | 1 | 5 |
| ***Khanaqin*** خانقين | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| X = 45 26 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21—31 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 1 | 0 | 0 | 1 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ***Baghdad*** بغداد | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 9 |
| X = 44 24 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 2 | 5 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21—31 | 1 | 0 | 0 | 1 | 0 | 2 | 3 | 0 | 1 | 1 | 0 | 0 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 3 | 1 | 7 |
| ha = 17.7 m. | MONTH | 1 | 0 | 0 | 1 | 0 | 4 | 17 | 0 | 1 | 1 | 0 | 0 | 9 | 6 | 2 | 3 | 0 | 1 | 0 | 7 | 3 | 7 |
| ***Habbaniya*** حبانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 22′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 | 3 |
| X = 43 34 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 6 | 3 |
| Hs. = 34.6 m. Hb. = 44.5 m. | 21—31 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 5 | 4 |
| ha = 14.9 m. | MONTH | 0 | 0 | 0 | 2 | 0 | 1 | 15 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 3 | 0 | 0 | 1 | 5 | 17 | 3 |
| ***Rutba*** رطبة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 02′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 6 | 1 |
| X = 40 17 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 0 | 4 | 3 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21—31 | 4 | 0 | 0 | 4 | 0 | 1 | 4 | 0 | 2 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 6 | 4 |
| ha = 16.1 m. | MONTH | 4 | 0 | 0 | 4 | 0 | 1 | 17 | 0 | 2 | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 7 | 2 | 1 | 1 | 18 | 3 |
| ***Kut Al-Hai*** كوت الحي | | | | | | | | | | | | | | | | | | | | | | | |
| Q. = 32° 10′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 2 | 0 | 5 |
| X = 46 03′ E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 1 | 2 | 5 |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21—31 | 1 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 2 | 2 | 3 | 3 |
| ha = 7.9 m. | MONTH | 1 | 0 | 0 | 1 | 0 | 1 | 23 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 2 | 0 | 13 | 5 | 5 | 4 |
| ***Diwaniya*** الديوانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 58′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 6 |
| N = 44 59 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 5 | 1 | 0 | 7 |
| Hs. = 20.4 m. Hb. = 21.0 m. | 21—31 | 1 | 0 | 1 | 1 | 0 | 0 | 4 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 1 | 1 | 2 | 6 |
| ha = 5.8 m. | MONTH | 1 | 0 | 1 | 1 | 0 | 1 | 19 | 0 | 1 | 0 | 2 | 0 | 8 | 2 | 5 | 1 | 2 | 1 | 7 | 2 | 3 | 6 |
| ***Nasiriya*** ناصرية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 3 | 2 | 5 |
| X = 46 14 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 1 | 0 | 2 | 1 | 5 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21—31 | 1 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 4 | 1 | 1 | 0 | 0 | 6 |
| ha = 8.8 m. | MONTH | 1 | 0 | 0 | 1 | 0 | 2 | 20 | 0 | 1 | 0 | 0 | 0 | 3 | 2 | 3 | 1 | 8 | 4 | 2 | 5 | 3 | 5 |
| ***Basra*** بصرة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 30° 34′ N. | 1—10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 1 | 3 | 3 |
| X = 47 47 E. | 11—20 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 | 1 | 3 | 3 |
| Hs. = 2.4 m. Hb = 13.7 m. | 21—31 | 1 | 0 | 0 | 1 | 2 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 0 | 4 |
| ha = 23.5 m. | MONTH | 1 | 0 | 0 | 1 | 2 | 1 | 22 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 5 | 5 | 7 | 3 | 6 | 3 |

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

| 0600 (G.M.T.) | | | | | | | | | | 1200 (G.M.T.) | | | | | | | | | | 1800 (G.M.T.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
| 2 | 0 | 0 | 0 | 0 | 2 | 2 | 4 | 0 | 7 | 3 | 1 | 0 | 0 | 1 | 0 | 12 | 1 | 2 | 3 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 1 |
| 3 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 1 |
| 3 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 2 | 3 | 0 | 3 | 2 | 1 | 0 | 1 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | 1 |
| 8 | 5 | 0 | 1 | 0 | 2 | 3 | 8 | 4 | 4 | 9 | 1 | 3 | 2 | 5 | 0 | 3 | 1 | 7 | 4 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 24 | 1 |
| 0 | 2 | 1 | 1 | 1 | 2 | 0 | 1 | 2 | 3 | 1 | 0 | 0 | 0 | 3 | 1 | 3 | 1 | 1 | 5 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 4 |
| 0 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 1 | 0 | 1 | 4 | 1 | 1 | 1 | 0 | 7 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 0 | 4 | 2 | 2 | 0 | 0 | 1 | 0 | 2 | 4 | 2 | 0 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 6 | 1 | 8 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| 0 | 10 | 6 | 5 | 1 | 2 | 1 | 1 | 5 | 5 | 4 | 1 | 1 | 3 | 8 | 3 | 5 | 4 | 2 | 6 | 10 | 14 | 5 | 0 | 0 | 0 | 1 | 1 | 1 | 5 |
| 2 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 0 | 7 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 1 |
| 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 5 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 1 | 6 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 5 | 2 |
| 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 7 | 2 | 1 | 0 | 0 | 1 | 2 | 0 | 5 | 1 | 1 | 7 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 6 | 5 |
| 2 | 0 | 12 | 1 | 0 | 0 | 1 | 0 | 15 | 3 | 4 | 0 | 1 | 1 | 3 | 2 | 11 | 7 | 2 | 7 | 0 | 0 | 5 | 0 | 3 | 0 | 2 | 0 | 18 | 3 |
| 2 | 3 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 7 | 5 | 1 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 7 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 3 | 3 | 4 |
| 1 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 4 | 4 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 5 | 3 |
| 0 | 2 | 3 | 1 | 0 | 0 | 1 | 1 | 3 | 7 | 2 | 0 | 2 | 0 | 3 | 1 | 0 | 2 | 1 | 9 | 2 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 3 | 5 |
| 3 | 5 | 5 | 1 | 2 | 0 | 1 | 7 | 7 | 6 | 9 | 2 | 2 | 0 | 6 | 2 | 0 | 9 | 1 | 8 | 4 | 1 | 2 | 4 | 0 | 1 | 2 | 6 | 11 | 4 |
| 2 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 5 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 2 | 6 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 7 | 3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 | 4 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 6 | 1 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 8 | 2 |
| 0 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 5 | 5 | 1 | 1 | 0 | 2 | 1 | 2 | 0 | 2 | 2 | 7 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 6 | 4 |
| 2 | 3 | 2 | 1 | 0 | 0 | 1 | 8 | 14 | 5 | 4 | 1 | 0 | 2 | 2 | 3 | 2 | 11 | 5 | 7 | 1 | 0 | 2 | 2 | 2 | 0 | 0 | 3 | 21 | 3 |
| 1 | 0 | 3 | 0 | 2 | 0 | 0 | 1 | 3 | 5 | 1 | 0 | 1 | 1 | 1 | 3 | 2 | 0 | 1 | 7 | 1 | 1 | 1 | 1 | 0 | 0 | 2 | 1 | 3 | 4 |
| 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 4 | 3 | 1 | 1 | 0 | 1 | 0 | 2 | 3 | 1 | 1 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 1 |
| 1 | 1 | 3 | 1 | 0 | 2 | 1 | 2 | 0 | 5 | 1 | 3 | 0 | 3 | 1 | 0 | 1 | 0 | 2 | 10 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 4 | 5 |
| 2 | 1 | 6 | 1 | 2 | 8 | 1 | 3 | 7 | 4 | 3 | 4 | 1 | 5 | 2 | 5 | 6 | 1 | 4 | 8 | 3 | 3 | 3 | 3 | 0 | 0 | 2 | 1 | 16 | 3 |
| 1 | 0 | 1 | 1 | 2 | 0 | 4 | 1 | 0 | 7 | 1 | 0 | 1 | 0 | 1 | 2 | 4 | 1 | 0 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 2 | 0 | 5 |
| 0 | 0 | 4 | 1 | 1 | 0 | 1 | 3 | 0 | 6 | 1 | 0 | 0 | 2 | 0 | 1 | 6 | 0 | 0 | 7 | 1 | 0 | 1 | 0 | 0 | 0 | 5 | 1 | 2 | 4 |
| 1 | 1 | 2 | 3 | 0 | 2 | 1 | 1 | 0 | 5 | 0 | 0 | 3 | 3 | 0 | 1 | 1 | 3 | 0 | 6 | 0 | 0 | 3 | 2 | 1 | 0 | 4 | 1 | 0 | 5 |
| 2 | 1 | 7 | 5 | 3 | 2 | 6 | 5 | 0 | 6 | 2 | 0 | 4 | 5 | 1 | 4 | 11 | 4 | 0 | 7 | 1 | 0 | 6 | 2 | 1 | 0 | 15 | 4 | 2 | 7 |
| 5 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 2 | 5 | 4 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 1 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 5 |
| 3 | 0 | 1 | 0 | 1 | 0 | 3 | 1 | 1 | 6 | 0 | 0 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 8 | 4 | 1 | 2 | 0 | 0 | 0 | 2 | 1 | 0 | 5 |
| 1 | 1 | 3 | 1 | 0 | 0 | 2 | 0 | 3 | 5 | 2 | 0 | 1 | 3 | 1 | 1 | 2 | 0 | 1 | 9 | 0 | 2 | 4 | 2 | 0 | 0 | 2 | 0 | 1 | 7 |
| 9 | 1 | 4 | 2 | 1 | 0 | 7 | 1 | 6 | 5 | 6 | 0 | 2 | 4 | 2 | 2 | 11 | 1 | 3 | 8 | 3 | 3 | 6 | 2 | 0 | 0 | 5 | 3 | 4 | 6 |
| 3 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 1 | 5 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 4 | 5 |
| 1 | 0 | 2 | 0 | 0 | 1 | 4 | 2 | 0 | 8 | 5 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 8 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 3 | 5 |
| 1 | 0 | 0 | 3 | 5 | 0 | 1 | 1 | 0 | 6 | 3 | 0 | 6 | 0 | 0 | 0 | 1 | 1 | 0 | 9 | 1 | 0 | 1 | 2 | 6 | 0 | 1 | 0 | 0 | 8 |
| 5 | 0 | 2 | 3 | 5 | 1 | 9 | 5 | 1 | 7 | 11 | 0 | 9 | 2 | 0 | 0 | 2 | 6 | 1 | 8 | 6 | 0 | 4 | 4 | 6 | 0 | 1 | 3 | 7 | 6 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 6 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 2 |
| 0 | 1 | 1 | 1 | 2 | 0 | 5 | 1 | 0 | 4 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 4 | 1 | 0 | 1 | 1 | 3 | 0 | 1 | 2 | 1 | 4 |
| 2 | 1 | 2 | 0 | 2 | 0 | 2 | 2 | 0 | 4 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 5 | 0 | 5 | 3 | 1 | 1 | 3 | 2 | 0 | 0 | 1 | 0 | 4 |
| 2 | 1 | 5 | 1 | 4 | 1 | 7 | 6 | 6 | 3 | 6 | 3 | 3 | 3 | 0 | 0 | 1 | 14 | 1 | 4 | 7 | 1 | 2 | 4 | 5 | 0 | 1 | 6 | 5 | 3 |

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha مقر Meters | Ha مقر Meters | DISTRIBUTION OF WIND توزيع الريح: اكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | استدامة Duration ساعات hrs. | ٢١ الى ٣٥ عقدة 21–35 Kts. عدد الايام No. of days | DURATION استدامة: ١١–٢٠ عقدة 11–20 Kts. ساعات hrs. | ٤–١٠ عقدة 4–10 Kts. ساعات hrs. | أقل من ٤ عقد < 4 Kts. ساعات hrs. | لاقيد No. Record ساعات hrs. | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind. الاتجاه Veer. From N درجات deg. | السرعة Speed. عقدة Knots | الساعة المنتهي فيها Hour end at ي d. س h. | أعلى عصفة Highest Gust. السرعة Speed. عقدة Knots. | الوقت Time ي d. س h. د m. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | 0 | 1 | 1 | 99 | 453 | 162 | 29 | 080 | 26 | 26 0900 | 43 | 25 09 30 |

## ADDITIONAL DATA — مدلولات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun Shine (hours) | درجة حرارة الارض Temperature of Earth. على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days. الصقيع الارضي Ground from. | النهاية الصغرى أقل من ١٥ Min < 15 | النهاية العظمى أكثر من ٣٨ Max < 38 | عدد مرات كون الغيم اكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 800 Meters. |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 241.5 | 9.7 | 25.8 | 27.9 | ... | 0 | 25 | 1 | 0 |
| KIRKUK ... | ... | ... | 24.7 | 26.4 | ... | 0 | 0 | 1 | 0 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 1 | 4 | 3 | 0 |
| BAGHDAD ... | 264.8 | 13.2 | 27.9 | 29.3 | ... | 0 | 1 | 2 | 0 |
| HABBANIYA ... | 234.9 | 14.5 | 28.6 | 29.5 | ... | 0 | 7 | 4 | 0 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 27 | 6 | 0 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 2 | 9 | 0 |
| DIWANIYA ... | ... | ... | ... | ... | ... | 0 | 4 | 7 | 0 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 4 | 10 | 0 |
| BASRA ... | 311.8 | 12.9 | ... | ... | 23.9 | 0 | 0 | 1 | 0 |

قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية — 3 Hourly Values of Temp. oC and Relative Himidity %

| المحطة STATION | الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | الحرارة Temperature | 14.3 | 12.6 | 21.1 | 31.6 | 33.2 | 25.8 | 19.1 | 15.7 |
| | الرطوبة Humidity | 68 | 74 | 49 | 32 | 29 | 47 | 60 | 70 |
| KIRKUK ... | الحرارة Temperature | 20.8 | 20.3 | 26.5 | 31.7 | 32.6 | 27.9 | 23.8 | 22.1 |
| | الرطوبة Humidity | 37 | 35 | 28 | 21 | 19 | 26 | 32 | 33 |
| KHANAQIN ... | الحرارة Temperature | ... | 19.1 | 26.6 | ... | 34.1 | 30.2 | 24.9 | ... |
| | الرطوبة Humidity | ... | 30 | 23 | ... | 15 | 18 | 23 | ... |
| BAGHDAD ... | الحرارة Temperature | 21.1 | 19.4 | 24.5 | 32.7 | 34.0 | 28.8 | 23.9 | 21.7 |
| | الرطوبة Humidity | 42 | 45 | 37 | 23 | 20 | 34 | 44 | 45 |
| HABBANIYA ... | الحرارة Temperature | 20.1 | 18.0 | 22.8 | 32.1 | 32.8 | 28.8 | 23.5 | 21.8 |
| | الرطوبة Humidity | 47 | 51 | 41 | 26 | 22 | 35 | 40 | 46 |
| RUTBAH ... | الحرارة Temperature | 15.7 | 14.0 | 21.2 | 28.6 | 30.0 | 26.7 | 21.1 | 17.7 |
| | الرطوبة Humidity | 44 | 49 | 34 | 23 | 21 | 26 | 36 | 41 |
| KUT-AL-HAI ... | الحرارة Temperatue | 20.4 | 18.7 | 26.5 | 34.2 | 35.4 | 29.4 | 25.1 | 22.0 |
| | الرطوبة Humidity | 47 | 52 | 39 | 24 | 23 | 34 | 38 | 43 |
| DIWANIYA ... | الحرارة Temperature | 19.7 | 18.0 | 26.1 | 33.9 | 34.9 | 29.2 | 24.5 | 21.5 |
| | الرطوبة Humidity | 54 | 58 | 47 | 32 | 29 | 38 | 45 | 51 |
| NASIRIYA ... | الحرارة Temperature | 19.6 | 17.9 | 26.9 | 34.8 | 35.6 | 29.1 | 25.0 | 22.6 |
| | الرطوبة Humidity | 50 | 52 | 34 | 21 | 19 | 33 | 41 | 47 |
| BASRA ... | الحرارة Temperature | 20.9 | 19.4 | 26.8 | 32.5 | 34.2 | 28.8 | 25.2 | 23.1 |
| | الرطوبة Humidity | 75 | 79 | 60 | 42 | 39 | 45 | 67 | 71 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS.

## معدلات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) درجة Deg. | دقيقة Min. | خط الطول شرقاً Long. (E) درجة Deg. | دقيقة Min. | هطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo .... | 37 | 08 | 42 | 41 | ... | Sulaimanya ... | 35 | 33 | 45 | 25 | 0.9 | Hilla ... | 32 | 29 | 44 | 26 | 0.0 |
| Amadia ... | 37 | 05 | 43 | 30 | 0 0 | Chamchamal ... | 35 | 32 | 44 | 51 | .... | Hit ... | 33 | 4 | 42 | 55 | 0 0 |
| Aqra ... | 36 | 45 | 43 | 53 | 22.6 | Penjwin ... | 35 | 37 | 45 | 58 | 4.0 | Hindiya ... | 32 | 42 | 44 | 17 | 0.0 |
| Duhok ... | 36 | 52 | 43 | 02 | 0.0 | Halabja ... | 35 | 11 | 45 | 59 | 4.9 | Karbal ... | 32 | 37 | 44 | 01 | 0.0 |
| Sanat ... | 36 | 47 | 42 | 48 | 14.0 | Chwarta ... | 35 | 44 | 45 | 33 | ... | Anah ... | 32 | 28 | 41 | 57 | 0.0 |
| Sarsank ... | 36 | 58 | 43 | 32 | 4.9 | Bakrajo ... | 35 | 34 | 45 | 23 | ... | Samawa .... | 31 | 20 | 45 | 15 | 1.0 |
| Sijar ... | 36 | 19 | 41 | 50 | 0.0 | Iftikhar ... | 35 | 03 | 44 | 27 | 4.6 | Kut ... | 32 | 30 | 45 | 45 | ... |
| Telafar ... | 36 | 22 | 42 | 28 | 0.0 | Al-Mansur ... | 34 | 05 | 44 | 58 | 0.0 | Qala't Sukar ... | 31 | 52 | 46 | 05 | .... |
| Arbil ... | 36 | 11 | 44 | 00 | 2.1 | Tuz ... | 34 | 50 | 44 | 30 | 0.0 | A'mara ... | 31 | 51 | 47 | 10 | 0.0 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 5.0 | Jalawla .... | 34 | 16 | 45 | 09 | 0.0 | B'da'a .... | 31 | 05 | 45 | 55 | 4.0 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | ... | Mandily ... | 33 | 45 | 45 | 33 | ... | Ur ... | 30 | 58 | 46 | 05 | 10.9 |
| Rayat ... | 36 | 41 | 44 | 57 | 7.2 | Samarra ... | 34 | 11 | 43 | 50 | ... | Fao ... | 29 | 59 | 48 | 30 | 0 0 |

## NOTES ON TABLES

***Mean Air Pressure.***— Is expressed in the millibars, the initial 6 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0300 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all abservation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office, Air Ministry London.

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥ . لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق . ان ارتفاع بصلات الحارير ١٫٣ م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف العدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠ متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/٠١ والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨ / ٧ أو ٨ / ٨.

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≥ ٨ اذا كان الريح مساويا الى هذين المقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع المرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع المرياح (الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كرينيج = وقت بغداد المحلي - ٣ ساعات

ان معدلات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر باذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

الحكومة العراقية

GOVERNMENT OF IRAQ

وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

# MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT

## MONTHLY WEATHER REPORT.

## التقرير الجوي الشهري

NOVEMBER 1954

تشرين الثاني ١٩٥٤

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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WEATHER BUREAU

# MONTH NOVEMBER 1954

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. | | | | TEMPERATURE (C°) (درجات مئوية) المعدل Mean G. M. T. | | | | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | أعلى نهاية عظمى Highest Maximum. | التاريخ Date | أوطأ نهاية عظمى Lowest Maximum | التاريخ Date | أعلى نهاية صغرى Highest Minimum. | التاريخ Date | أوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | | | | | | | | | | |
| **Mosul** موصل<br>Q = 35° 28′ N.<br>X = 44° 24′ E. | 1-10 | 19.2 | 20.0 | 17.6 | 19.8 | 12.5 | 17.1 | 21.6 | 15.4 | 26.1 | 10.8 | 29.5 | 7 | 23.5 | 5 | 15.8 | 5 | 6.3 | 3 |
| | 11-20 | 21.6 | 21.4 | 19.1 | 21.0 | 7.6 | 12.1 | 22.4 | 10.8 | 23.4 | 5.3 | 27.4 | 15 | 15.0 | 18 | 8.9 | 19 | 1.6 | 17 |
| Hs. = 222.6 m.<br>Hb. = 223.5 m. | 21-30 | 19.4 | 19.4 | 17.3 | 18.7 | 8.1 | 10.1 | 16.6 | 10.0 | 18.6 | 5.9 | 21.7 | 22 | 15.1 | 24 | 10.4 | 24 | 2.0 | 30 |
| ha = 13.2 m. | MONTH | 20.1 | 20.6 | 18.0 | 19.7 | 9.4 | 13.1 | 21.2 | 12.1 | 22.7 | 7.3 | 29.5 | 7 | 15.0 | 18 | 15.3 | 5 | 1.6 | 17 |
| **Kirkuk** كركوك<br>Q = 35° 78′ N.<br>X = 44° 24′ E. | 1-10 | 17.5 | 18.4 | 16.0 | 17.9 | 16.5 | 19.9 | 25.0 | 18.0 | 36.3 | 15.1 | 28.3 | 6 | 20.9 | 5 | 16.9 | 1 | 12.7 | 3 |
| | 11-20 | 19.7 | 19.9 | 17.7 | 19.2 | 12.6 | 15.8 | 22.0 | 15.0 | 23.3 | 10.9 | 27.3 | 14 | 16.8 | 18 | 14.8 | 14 | 8.4 | 20 |
| Hs. = 330.8 m.<br>Hb. = 331.7 m. | 21-30 | 17.9 | 17.9 | 16.1 | 17.5 | 11.0 | 13.2 | 16.5 | 11.8 | 18.3 | 10.0 | 21.9 | 26 | 12.4 | 27 | 11.1 | 22 | 7.6 | 30 |
| ha = 8.2 m. | MONTH | 18.4 | 18.7 | 16.6 | 18.2 | 13.4 | 16.6 | 21.2 | 14.9 | 22.6 | 12.0 | 28.3 | 6 | 12.4 | 27 | 16.9 | 1 | 7.6 | 30 |
| **Khanaqin** خانقين<br>Q = 34° 18 N.<br>X = 45° 26 E. | 1-10 | ... | 16.3 | 14.9 | 17.2 | ... | 23.1 | 28.0 | 19.8 | 28.8 | 15.2 | 31.1 | 6 | 27.5 | 3 | 17.2 | 6 | 13.3 | 3,4 |
| | 11-20 | ... | 18.9 | 16.8 | 18.0 | ... | 15.9 | 22.7 | 16.0 | 23.7 | 10.9 | 27.8 | 14 | 15.5 | 18 | 12.8 | 11 | 8.9 | 20 |
| Hs. = 201.2 m.<br>Hb. = 202.1 m. | 21-30 | ... | 17.3 | 16.0 | 17.7 | ... | 13.2 | 17.5 | 13.3 | 18.2 | 10.5 | 20.3 | 24 | 15.0 | 27 | 13.3 | 24 | 8.9 | 25 |
| ha = 6.1 m. | MONTH | ... | 17.5 | 15.9 | 17.6 | ... | 17.1 | 22.8 | 13.3 | 23.5 | 12.2 | 31.1 | 6 | 15.0 | 27 | 17.2 | 6 | 8.9 | 20,25 |
| **Baghdad** بغداد<br>Q = 33° 20′ N.<br>X = 44° 24′ E. | 1-10 | 16.9 | 18.4 | 16.4 | 17.4 | 17.8 | 20.1 | 28.0 | 30.6 | 28.6 | 16.1 | 30.7 | 5 | 26.4 | 9 | 18.1 | 6 | 14.2 | 3 |
| | 11-20 | 19.3 | 20.5 | 18.3 | 19.3 | 13.1 | 15.2 | 22.7 | 15.3 | 23.2 | 10.5 | 26.2 | 14 | 15.6 | 18 | 15.4 | 11 | 7.6 | 20 |
| Hs. = 34.1 m.<br>Hb. = 40.4 m. | 21-30 | 17.9 | 18.7 | 16.8 | 17.9 | 13.0 | 12.5 | 16.6 | 13.4 | 15.9 | 9.6 | 25.6 | 24 | 14.3 | 27 | 13.3 | 22 | 8.5 | 26,31 |
| ha = 17.7 m. | MONTH | 18.0 | 19.2 | 17.2 | 18.1 | 14.6 | 15.9 | 22.4 | 16.4 | 23.1 | 12.4 | 30.7 | 5 | 14.3 | 27 | 18.1 | 6 | 7.6 | 20 |
| **Habbaniyah** حبانية<br>Q = 33° 22′ N.<br>X = 44° 21′ E. | 1-10 | 16.7 | 18.5 | 16.1 | 17.0 | 18.0 | 19.8 | 27.5 | 20.6 | 28.8 | 15.6 | 30.0 | 4,5,6,8 | 26.1 | 9 | 18.3 | 5 | 13.9 | 3,10 |
| | 11-20 | 19.3 | 20.8 | 18.5 | 19.3 | 12.7 | 13.8 | 22.8 | 15.4 | 23.2 | 10.6 | 16.1 | 15,17 | 16.6 | 18 | 13.9 | 11 | 8.3 | 17 |
| Hs. = 43.6 m.<br>Hb. = 44.5 m. | 21-30 | 17.6 | 18.5 | 16.6 | 17.8 | 11.8 | 12.4 | 16.1 | 13.4 | 16.6 | 10.4 | 20.5 | 24 | 12.8 | 30 | 12.2 | 21,22,27 | 7.2 | 30 |
| ha = 14.9 m. | MONTH | 17.9 | 19.3 | 17.1 | 18.0 | 14.1 | 15.5 | 22.1 | 16.4 | 22.9 | 12.2 | 30.0 | 4,5,6,8 | 12.8 | 30 | 18.3 | 5 | 7.2 | 30 |
| **Rutba** رطبة<br>Q = 33° 02 N.<br>X = 40° 17 E. | 1-10 | 17.2 | 18.7 | 16.3 | 18.4 | 12.0 | 15.5 | 23.9 | 16.5 | 24.7 | 10.1 | 28.3 | 5 | 22.7 | 10 | 12.0 | 6 | 8.9 | 3,8 |
| | 11-20 | 20.8 | 22.3 | 19.7 | 21.4 | 9.8 | 11.7 | 21.1 | 13.4 | 20.6 | 8.0 | 23.8 | 15 | 17.3 | 23 | 12.2 | 12 | 4.2 | 15 |
| Hs. = 615.5 m.<br>Hb. = 616.4 m. | 21-30 | 17.7 | 18.3 | 16.8 | 18.4 | 8.8 | 9.4 | 14.2 | 10.2 | 15.1 | 7.3 | 16.8 | 28 | 12.6 | 30 | 11.4 | 21 | 4.5 | 28 |
| ha = 16.1 m. | MONTH | 18.6 | 19.3 | 17.6 | 19.4 | 10.2 | 12.2 | 19.7 | 13.4 | 20.2 | 8.5 | 28.3 | 5 | 12.6 | 30 | 12.2 | 12 | 4.2 | 15 |
| **Kut Al-Hai** كوت الحي<br>Q = 32° 10 N.<br>X = 46° 03 E. | 1-10 | 16.4 | 18.0 | 16.2 | 17.0 | 19.3 | 22.6 | 28.7 | 21.7 | 29.9 | 15.7 | 32.2 | 6 | 26.3 | 8 | 21.7 | 7 | 14.2 | 4 |
| | 11-20 | 18.3 | 19.5 | 17.6 | 17.7 | 14.8 | 18.0 | 24.8 | 17.0 | 25.6 | 12.6 | 29.4 | 11 | 21.7 | 18,20 | 18.3 | 11 | 9.2 | 20 |
| Hs. = 14.9 m.<br>Hb. = 16.1 m. | 21-30 | 17.2 | 17.8 | 16.6 | 16.4 | 12.7 | 13.9 | 17.4 | 14.6 | 18.0 | 11.8 | 22.5 | 22 | 14.8 | 30 | 14.2 | 24 | 7.7 | 28 |
| ha = 7.9 m. | MONTH | 17.3 | 18.4 | 16.8 | 17.0 | 15.6 | 18.1 | 23.6 | 17.8 | 24.5 | 13.4 | 32.2 | 6 | 14.8 | 30 | 21.7 | 7 | 7.7 | 28 |
| **Diwaniya** ديوانية<br>Q = 31° 59 N.<br>X = 44° 59 E. | 1-10 | 15.7 | 17.5 | 15.3 | 16.6 | 19.6 | 22.3 | 29.3 | 21.4 | 30.7 | 16.1 | 35.0 | 6 | 26.5 | 8 | 20.0 | 7 | 13.5 | 4 |
| | 11-20 | 18.0 | 19.3 | 17.0 | 18.2 | 13.3 | 16.7 | 24.3 | 16.4 | 25.1 | 11.2 | 28.2 | 11 | 20.8 | 20 | 17.4 | 11 | 8.6 | 15,17 |
| Hs. = 20.4 m.<br>Hb. = 21.0 m | 21-30 | 16.5 | 17.6 | 15.5 | 16.9 | 12.3 | 13.5 | 17.8 | 13.9 | 18.3 | 11.1 | 20.4 | 21 | 14.8 | 30 | 13.6 | 23 | 6.8 | 28 |
| ha = 5.8 m. | MONTH | 16.7 | 18.1 | 15.9 | 17.2 | 14.3 | 17.5 | 23.8 | 17.3 | 24.7 | 12.8 | 35.0 | 6 | 14.8 | 30 | 20.0 | 7 | 6.8 | 28 |
| **Nasiriya** ناصرية<br>Q = 31° 01 N.<br>X = 46° 14 E. | 1-10 | 16.2 | 18.1 | 16.2 | 15.9 | 19.3 | 23.9 | 28.4 | 22.0 | 30.1 | 17.9 | 34.3 | 6 | 22.7 | 9 | 20.1 | 7 | 15.0 | 4 |
| | 11-20 | 18.1 | 19.7 | 17.2 | 18.3 | 14.8 | 17.9 | 24.3 | 18.2 | 26.0 | 13.3 | 30.4 | 11 | 24.4 | 18 | 17.6 | 11 | 10.1 | 20 |
| Hs. = 3.0 m.<br>Hb. = 3.7 m. | 21-30 | 16.6 | 17.9 | 15.6 | 17.1 | 13.7 | 14.5 | 17.3 | 15.8 | 18.4 | 12.6 | 20.3 | 24,25 | 14.3 | 30 | 14.7 | 21,24 | 8.1 | 26 |
| ha = 8.8 m. | MONTH | 16.9 | 18.5 | 16.3 | 17.4 | 15.9 | 18.4 | 23.0 | 18.5 | 24.8 | 14.6 | 34.3 | 6 | 14.3 | 30 | 20.1 | 7 | 8.1 | 26 |
| **Basrah** بصره<br>Q = 30° 34 N.<br>X = 47° 47 E. | 1-10 | 15.6 | 17.3 | 15.3 | 16.1 | 20.0 | 22.3 | 23.0 | 22.1 | 28.9 | 18.5 | 32.4 | 1 | 26.9 | 10 | 19.9 | 1 | 16.4 | 8 |
| | 11-20 | 17.0 | 18.6 | 16.8 | 17.6 | 16.4 | 18.9 | 24.4 | 18.3 | 25.5 | 14.4 | 29.4 | 11 | 23.2 | 13 | 18.8 | 11 | 11.4 | 17 |
| Hs. = 2.4 m.<br>Hb. = 13.7 m. | 21-30 | 16.1 | 17.1 | 15.5 | 16.1 | 15.4 | 15.2 | 13.5 | 15.8 | 19.6 | 14.1 | 21.8 | 24 | 15.0 | 29 | 16.2 | 21 | 11.6 | 26 |
| ha = 23.5 m. | MONTH | 16.2 | 17.7 | 15.9 | 16.6 | 17.3 | 19.3 | 23.6 | 18.7 | 24.7 | 15.6 | 32.4 | 1 | 15.0 | 29 | 19.9 | 7 | 11.4 | 17 |

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

0600 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 1 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 5 |
| 3 | 2 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 4 |
| 2 | 3 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 4 |
| 9 | 6 | 6 | 1 | 0 | 0 | 1 | 5 | 2 | 4 |
| 0 | 4 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 5 |
| 2 | 2 | 1 | 1 | 0 | 0 | 2 | 0 | 2 | 3 |
| 0 | 4 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 5 |
| 2 | 10 | 6 | 6 | 1 | 0 | 3 | 0 | 2 | 4 |
| 0 | 0 | 4 | 0 | 3 | 0 | 0 | 0 | 3 | 4 |
| 1 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 5 | 2 |
| 1 | 0 | 6 | 0 | 1 | 0 | 0 | 0 | 2 | 5 |
| 2 | 0 | 12 | 0 | 6 | 0 | 0 | 0 | 10 | 4 |
| 0 | 1 | 2 | 2 | 0 | 1 | 0 | 2 | 2 | 5 |
| 1 | 2 | 1 | 0 | 0 | 0 | 1 | 4 | 1 | 7 |
| 0 | 2 | 1 | 1 | 0 | 0 | 2 | 1 | 3 | 4 |
| 1 | 5 | 4 | 3 | 0 | 1 | 3 | 7 | 6 | 5 |
| 7 | 1 | 0 | 2 | 1 | 0 | 2 | 0 | 3 | 5 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 5 |
| 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 6 | 2 |
| 3 | 2 | 0 | 3 | 1 | 0 | 3 | 5 | 13 | 4 |
| 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 2 |
| 0 | 1 | 2 | 0 | 3 | 0 | 0 | 0 | 4 | 3 |
| 0 | 0 | 0 | 2 | 4 | 2 | 0 | 0 | 2 | 5 |
| 0 | 2 | 2 | 2 | 3 | 2 | 0 | 0 | 14 | 3 |
| 0 | 0 | 4 | 1 | 2 | 0 | 2 | 0 | 1 | 4 |
| 1 | 1 | 2 | 0 | 2 | 0 | 3 | 0 | 1 | 4 |
| 0 | 1 | 2 | 1 | 0 | 0 | 4 | 2 | 0 | 4 |
| 1 | 2 | 8 | 2 | 4 | 0 | 9 | 2 | 2 | 4 |
| 2 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 4 | 3 |
| 3 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 2 | 5 |
| 3 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 5 |
| 3 | 0 | 4 | 3 | 0 | 1 | 3 | 1 | 10 | 4 |
| 1 | 2 | 2 | 2 | 1 | 2 | 0 | 0 | 0 | 7 |
| 4 | 0 | 1 | 0 | 1 | 0 | 2 | 2 | 0 | 6 |
| 2 | 1 | 3 | 2 | 0 | 0 | 1 | 1 | 0 | 7 |
| 7 | 3 | 6 | 4 | 2 | 2 | 3 | 3 | 0 | 7 |
| 2 | 2 | 3 | 0 | 0 | 0 | 1 | 2 | 6 | 5 |
| 2 | 0 | 2 | 1 | 1 | 0 | 2 | 1 | 0 | 4 |
| 1 | 1 | 3 | 2 | 0 | 0 | 0 | 2 | 0 | 6 |
| 5 | 3 | 3 | 3 | 1 | 0 | 3 | 5 | 6 | 5 |

1200 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 1 | 4 | 0 | 1 | 0 | 0 | 1 | 0 | 8 |
| 3 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 5 |
| 0 | 1 | 2 | 3 | 1 | 0 | 1 | 0 | 2 | 9 |
| 6 | 2 | 6 | 3 | 2 | 0 | 2 | 3 | 6 | 7 |
| 1 | 1 | 0 | 0 | 3 | 2 | 1 | 1 | 1 | 5 |
| 2 | 0 | 1 | 1 | 1 | 0 | 3 | 2 | 0 | 5 |
| 1 | 2 | 0 | 1 | 2 | 1 | 3 | 0 | 0 | 4 |
| 4 | 3 | 1 | 2 | 6 | 3 | 7 | 3 | 1 | 5 |
| 0 | 0 | 3 | 0 | 0 | 0 | 6 | 0 | 1 | 6 |
| 1 | 0 | 1 | 3 | 0 | 0 | 2 | 4 | 2 | 5 |
| 0 | 1 | 0 | 0 | 2 | 0 | 6 | 0 | 1 | 6 |
| 1 | 1 | 4 | 0 | 2 | 0 | 14 | 4 | 4 | 6 |
| 0 | 1 | 3 | 1 | 2 | 0 | 1 | 1 | 1 | 6 |
| 2 | 3 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 10 |
| 2 | 0 | 2 | 1 | 1 | 0 | 2 | 2 | 0 | 6 |
| 4 | 4 | 6 | 2 | 3 | 0 | 3 | 7 | 1 | 7 |
| 0 | 0 | 2 | 0 | 0 | 2 | 1 | 1 | 4 | 4 |
| 3 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 8 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 2 |
| 3 | 2 | 2 | 1 | 0 | 2 | 1 | 5 | 14 | 5 |
| 1 | 1 | 1 | 2 | 0 | 2 | 0 | 1 | 2 | 7 |
| 2 | 1 | 3 | 0 | 0 | 10 | 0 | 0 | 3 | 4 |
| 0 | 0 | 3 | 1 | 1 | 2 | 0 | 0 | 3 | 5 |
| 3 | 2 | 7 | 3 | 1 | 5 | 0 | 1 | 8 | 5 |
| 0 | 0 | 3 | 0 | 2 | 0 | 3 | 1 | 1 | 3 |
| 1 | 0 | 2 | 1 | 0 | 0 | 5 | 1 | 0 | 4 |
| 0 | 0 | 4 | 0 | 0 | 0 | 2 | 4 | 0 | 7 |
| 1 | 0 | 9 | 1 | 2 | 0 | 10 | 6 | 1 | 5 |
| 2 | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 2 | 5 |
| 3 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 5 |
| 3 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 3 | 6 |
| 8 | 0 | 5 | 1 | 5 | 0 | 5 | 0 | 6 | 5 |
| 3 | 0 | 2 | 1 | 1 | 0 | 3 | 0 | 0 | 7 |
| 4 | 1 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 9 |
| 3 | 1 | 2 | 0 | 1 | 0 | 2 | 1 | 0 | 8 |
| 10 | 2 | 6 | 1 | 2 | 0 | 6 | 3 | 0 | 8 |
| 3 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 6 |
| 3 | 1 | 0 | 1 | 0 | 0 | 2 | 3 | 0 | 5 |
| 5 | 0 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 6 |
| 11 | 4 | 3 | 3 | 1 | 0 | 2 | 5 | 1 | 6 |

1800 (G.M.T.)

| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 7 | 2 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 1 |
| 1 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 25 | 1 |
| 1 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| 3 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 5 |
| 1 | 4 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 5 |
| 5 | 16 | 1 | 4 | 2 | 0 | 1 | 0 | 1 | 5 |
| 1 | 0 | 4 | 1 | 0 | 0 | 0 | 1 | 3 | 5 |
| 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 8 | 1 |
| 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 5 | 2 |
| 1 | 1 | 6 | 2 | 1 | 1 | 1 | 1 | 16 | 3 |
| 1 | 0 | 3 | 1 | 0 | 1 | 0 | 1 | 3 | 6 |
| 0 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 3 | 5 |
| 1 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 4 | 3 |
| 2 | 0 | 4 | 2 | 1 | 2 | 4 | 5 | 10 | 5 |
| 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 6 | 3 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 9 | 2 |
| 1 | 0 | 1 | 1 | 2 | 0 | 0 | 2 | 23 | 2 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 6 | 1 |
| 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 3 |
| 0 | 1 | 2 | 1 | 1 | 1 | 0 | 0 | 4 | 3 |
| 2 | 2 | 7 | 1 | 1 | 1 | 0 | 2 | 14 | 2 |
| 0 | 0 | 1 | 3 | 0 | 2 | 1 | 1 | 2 | 2 |
| 1 | 0 | 3 | 1 | 0 | 0 | 3 | 2 | 0 | 3 |
| 0 | 1 | 3 | 0 | 0 | 0 | 4 | 2 | 0 | 6 |
| 1 | 1 | 7 | 4 | 0 | 2 | 8 | 5 | 2 | 4 |
| 5 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 5 |
| 4 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 1 | 4 |
| 3 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 3 | 5 |
| 12 | 1 | 4 | 2 | 2 | 1 | 2 | 0 | 6 | 5 |
| 3 | 0 | 0 | 1 | 2 | 1 | 3 | 0 | 0 | 6 |
| 4 | 0 | 3 | 0 | 1 | 0 | 0 | 2 | 0 | 9 |
| 5 | 0 | 1 | 1 | 6 | [illegible] | 0 | 3 | 0 | 7 |
| 12 | 0 | 4 | 2 | 3 | 1 | 3 | 5 | 0 | 7 |
| 3 | 2 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 6 |
| 2 | 2 | 2 | 0 | 0 | [illegible] | 1 | 2 | 0 | 5 |
| 5 | 0 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 6 |
| 10 | 4 | 5 | 2 | 1 | 2 | 3 | 2 | 1 | 6 |

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha (متر Meters) | الارتفاع Height Ha (متر Meters) | DISTRIBUTION OF WIND توزيع الريح: اكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | استدامة Duration (ساعات hrs.) | ٢١ الى ٣٥ عقدة 21–35 Kts. عدد الايام No. of days | DURATION استدامة: ١١–٢٠ عقدة 11–20 Kts. (ساعات hrs.) | ٤–١٠ عقدة 4–10 Kts. (ساعات hrs.) | أقل من ٤ عقد < 4 Kts. (ساعات hrs.) | لاقيد No. Record (ساعات hrs.) | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind: الاتجاه Vear. From N (درجات deg.) | السرعة Speed, (عقدة Knots) | الساعة Hour and at (س h. ي d.) | أعلى عصفة Highest Gust, السرعة Speed, (عقدة Knots.) | الوقت Time (د d. س h. ي s.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | 0 | 1 | 1 | 69 | 868 | 165 | 193 | 810 | 25 | 6 1500 | 41 | 6 15 02 |

## ADDITIONAL DATA — معلومات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun Shine (hours) | درجة حرارة الارض Temperature of Earth. على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days. الصقيع الارضي Ground from. | النهاية العظمى الصغرى: أقل من ١٠ Min < 10 | أكثر من ٢٧ Max < 27 | عدد مرات كون الغيم اكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 300 Meters. |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 185.5 | 4.7 | 17.4 | 28.5 | ... | 0 | 23 | 2 | 0 |
| KIRKUK ... | — | ... | 18.0 | 22.4 | ... | 0 | 5 | 3 | 0 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 5 | 8 | 0 |
| BAGHDAD ... | 189.6 | 9.4 | 20.6 | 25.8 | ... | 0 | 9 | 8 | 0 |
| HABBANIYA ... | 173.2 | 10.3 | 22.2 | 26.5 | ... | 0 | 7 | 8 | 0 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 25 | 1 | 0 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 2 | 10 | 0 |
| DIWANIYA ... | ... | ... | ... | ... | ... | 0 | 7 | 10 | 0 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 1 | 10 | 0 |
| BASRA ... | 141.3 | 11.2 | ... | ... | 19.2 | 0 | 0 | 6 | 0 |

قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية — 3 Hourly Values of Temp °C and Relative Himidity %

| المحطة STATION | الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | الحرارة Temperature | 9.4 | 8.4 | 13.1 | 20.4 | 21.2 | 15.8 | 12.1 | 10.4 |
| | الرطوبة Humidity | 90 | 93 | 81 | 55 | 51 | 69 | 83 | 88 |
| KIRKUK ... | الحرارة Temperature | 13.4 | 13.0 | 16.6 | 20.1 | 21.2 | 17.8 | 14.9 | 14.1 |
| | الرطوبة Humidity | 70 | 71 | 62 | 50 | 47 | 61 | 68 | 69 |
| KHANAQIN ... | الحرارة Temperature | ... | 13.3 | 17.1 | 19.7 | 22.8 | ... | 16.3 | ... |
| | الرطوبة Humidity | ... | 75 | 64 | 58 | 45 | ... | 68 | ... |
| BAGHDAD ... | الحرارة Temperature | 14.6 | 13.5 | 15.9 | 21.6 | 22.4 | 18.9 | 16.4 | 15.0 |
| | الرطوبة Humidity | 80 | 82 | 75 | 58 | 53 | 67 | 75 | 79 |
| HABBANIYA ... | الحرارة Temperature | 14.1 | 12.9 | 15.5 | 20.7 | 22.1 | 18.8 | 16.4 | 15.1 |
| | الرطوبة Humidity | 82 | 85 | 78 | 63 | 58 | 71 | 77 | 80 |
| RUTBAH ... | الحرارة Temperature | 10.2 | 9.3 | 12.2 | 17.6 | 19.7 | 16.3 | 13.4 | 11.7 |
| | الرطوبة Humidity | 84 | 87 | 78 | 58 | 49 | 63 | 76 | 82 |
| KUT-AL-HAI ... | الحرارة Temperature | 15.6 | 14.7 | 18.1 | 22.8 | 23.6 | 20.3 | 17.8 | 16.3 |
| | الرطوبة Humidity | 75 | 78 | 69 | 53 | 48 | 59 | 67 | 72 |
| DIWANIYA ... | الحرارة Temperature | 14.8 | 13.8 | 17.5 | 22.6 | 23.8 | 19.8 | 17.3 | 15.8 |
| | الرطوبة Humidity | 81 | 85 | 79 | 65 | 51 | 71 | 76 | 75 |
| NASIRIYA ... | الحرارة Temperature | 15.9 | 15.3 | 18.4 | 23.8 | 23.0 | 20.5 | 18.5 | 16.9 |
| | الرطوبة Humidity | 80 | 78 | 70 | 58 | 54 | 66 | 75 | 77 |
| BASRA ... | الحرارة Temperature | 17.3 | 16.5 | 19.3 | 22.8 | 23.6 | 20.5 | 18.7 | 17.7 |
| | الرطوبة Humidity | 87 | 88 | 79 | 68 | 63 | 75 | 82 | 86 |

# شهر تشرين الثانى ١٩٥٤

| درجة الندى (م°) Dew Point (oC) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأثمان) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأثمان) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | مطول المطر بالمليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | أقصى كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in 24 hrs. | التاريخ Date |
| 10.8 | 12.6 | 12.7 | 11.7 | 90 | 75 | 48 | 81 | 13.2 | 14.8 | 14.3 | 13.8 | 2.6 | 2.0 | 3.1 | 2.8 | 3.7 | 2.8 | 4.5 | 4.2 | 3.3 | 2,6 | 4 |
| 6.0 | 7.7 | 6.6 | 7.0 | 90 | 76 | 39 | 78 | 9.6 | 10.7 | 10.0 | 10.2 | 1.0 | 0.8 | 1.3 | 1.2 | 1.8 | 1.8 | 3.1 | 1.8 | 2.2 | 2.0 | 18 |
| 6.4 | 8.7 | 9.9 | 8.6 | 91 | 91 | 66 | 92 | 9.7 | 11.4 | 12.3 | 11.3 | 1.8 | 3.2 | 4.0 | 2.1 | 2.5 | 5.0 | 6.5 | 3.3 | 13.6 | 13.2 | 23 |
| 7.8 | 9.7 | 9.7 | 9.1 | 90 | 81 | 51 | 83 | 10.8 | 12.3 | 12.2 | 11.8 | 1.8 | 2.0 | 2.9 | 2.0 | 2.7 | 3.2 | 4.7 | 3.1 | 19.1 | 13.2 | 23 |
| 8.5 | 10.1 | 8.7 | 9.9 | 60 | 55 | 37 | 61 | 11.3 | 12.6 | 11.5 | 12.4 | 1.7 | 1.7 | 2.0 | 1.0 | 3.3 | 3.4 | 3.6 | 3.3 | 13.3 | 6.6 | 9 |
| 5.4 | 6.2 | 5.6 | 5.6 | 66 | 53 | 39 | 58 | 9.3 | 9.9 | 9.5 | 9.6 | 0.6 | 1.4 | 1.5 | 0.8 | 2.2 | 2.0 | 3.2 | 2.0 | 2.6 | 2.6 | 18 |
| 8.4 | 9.5 | 9.4 | 9.3 | 85 | 78 | 64 | 86 | 11.1 | 11.9 | 11.9 | 11.8 | 1.6 | 1.9 | 3.5 | 2.1 | 4.6 | 6.5 | 6.9 | 3.9 | 34.4 | 19.4 | 23 |
| 7.4 | 8.6 | 7.9 | 8.3 | 70 | 62 | 47 | 68 | 10.6 | 11.5 | 10.9 | 11.3 | 1.3 | 1.7 | 2.4 | 1.3 | 3.4 | 4.0 | 4.6 | 2.7 | 50.3 | 19.4 | 23 |
| ... | 9.9 | 8.7 | 11.0 | ... | 47 | 31 | 60 | ... | 12.4 | 11.5 | 13.5 | ... | 1.1 | 3.1 | 2.4 | ... | 3.9 | 5.6 | 4.1 | 5.7 | 5.7 | 9 |
| ... | 8.2 | 6.7 | 7.0 | ... | 63 | 40 | 59 | ... | 11.2 | 10.3 | 10.6 | ... | 1.8 | 1.8 | 1.1 | ... | 2.8 | 4.0 | 1.6 | 11.1 | 10.3 | 18 |
| ... | 10.4 | 10.1 | 10.8 | ... | 83 | 63 | 86 | ... | 12.6 | 12.6 | 13.1 | ... | 5.0 | 5.0 | 3.3 | ... | 6.3 | 6.9 | 4.5 | 11.0 | 8.0 | 27 |
| ... | 9.5 | 8.5 | 9.6 | ... | 64 | 45 | 45 | ... | 12.0 | 11.5 | 12.4 | ... | 2.6 | 3.3 | 2.2 | ... | 4.0 | 5.5 | 3.4 | 27.6 | 10.3 | 18 |
| 12.3 | 12.8 | 13.3 | 13.7 | 71 | 66 | 40 | 67 | 14.5 | 15.4 | 15.2 | 15.8 | 0.0 | 1.2 | 1.5 | 1.0 | 1.8 | 3.9 | 3.7 | 3.4 | 2.3 | 2.3 | 9 |
| 8.7 | 9.1 | 8.3 | 9.2 | 75 | 68 | 43 | 63 | 11.4 | 11.8 | 11.2 | 11.7 | 0.3 | 0.4 | 0.7 | 0.8 | 1.7 | 1.9 | 3.5 | 2.0 | 5.0 | 2.0 | 18,20 |
| 10.8 | 11.3 | 11.9 | 11.8 | 93 | 91 | 76 | 90 | 13.0 | 13.5 | 14.0 | 13.9 | 2.8 | 3.6 | 3.6 | 1.6 | 4.9 | 7.1 | 7.0 | 4.6 | 20.7 | 7.0 | 27 |
| 10.6 | 11.1 | 11.2 | 11.6 | 80 | 75 | 53 | 75 | 12.9 | 13.5 | 13.4 | 13.8 | 1.0 | 1.7 | 2.0 | 1.1 | 2.1 | 4.3 | 4.7 | 3.3 | 28.0 | 7.0 | 27 |
| 12.1 | 12.8 | 13.5 | 13.6 | 69 | 64 | 44 | 64 | 14.2 | 14.8 | 15.5 | 15.6 | 0.1 | 0.8 | 1.5 | 0.3 | 3.2 | 3.7 | 3.7 | 3.8 | 9.9 | 6.6 | 9 |
| 9.3 | 9.8 | 10.1 | 10.3 | 80 | 75 | 48 | 72 | 11.8 | 11.8 | 12.4 | 12.5 | 0.4 | 1.2 | 1.4 | 0.1 | 1.8 | 3.0 | 3.0 | 1.5 | 6.3 | 3.5 | 17 |
| 11.4 | 11.6 | 13.0 | 12.4 | 97 | 95 | 81 | 94 | 13.5 | 13.8 | 15.0 | 14.4 | 1.5 | 4.2 | 4.5 | 3.1 | 3.7 | 6.5 | 6.9 | 4.6 | 42.6 | 24.7 | 23 |
| 10.9 | 11.2 | 12.2 | 12.1 | 82 | 78 | 58 | 77 | 13.2 | 13.5 | 14.3 | 14.2 | 0.7 | 2.1 | 2.5 | 1.2 | 2.9 | 4.4 | 4.5 | 3.3 | 58.8 | 24.7 | 23 |
| 7.9 | 9.2 | 7.5 | 9.7 | 78 | 67 | 38 | 66 | 10.9 | 11.8 | 10.8 | 12.4 | 0.2 | 1.2 | 4.2 | 2.7 | 1.4 | 3.7 | 5.0 | 3.7 | 6.8 | 6.1 | 8 |
| 6.7 | 7.5 | 5.2 | 8.0 | 83 | 76 | 41 | 72 | 10.3 | 10.6 | 9.4 | 11.1 | 2.4 | 2.2 | 2.3 | 2.3 | 3.3 | 3.6 | 4.2 | 3.3 | 8.8 | 5.0 | 11 |
| 7.7 | 7.9 | 7.9 | 8.5 | 93 | 91 | 67 | 90 | 10.6 | 10.8 | 10.8 | 11.3 | 4.2 | 3.8 | 5.3 | 3.9 | 4.7 | 6.1 | 6.4 | 4.2 | 34.5 | 23.2 | 23 |
| 7.4 | 8.2 | 6.9 | 8.7 | 84 | 78 | 49 | 76 | 10.6 | 11.1 | 10.3 | 11.6 | 2.3 | 2.4 | 4.0 | 3.0 | 3.1 | 4.5 | 5.2 | 3.7 | 50.1 | 23.2 | 23 |
| 12.5 | 13.5 | 12.0 | 12.3 | 67 | 58 | 37 | 56 | 14.8 | 15.6 | 14.2 | 14.4 | 2.2 | 1.3 | 2.5 | 1.5 | 3.4 | 3.5 | 4.8 | 3.9 | 12.6 | 11.6 | 2 |
| 9.0 | 10.3 | 8.6 | 8.6 | 68 | 62 | 37 | 58 | 11.6 | 12.6 | 11.2 | 11.2 | 1.0 | 0.8 | 0.9 | 1.5 | 2.2 | 2.6 | 3.1 | 2.2 | 0.8 | 0.6 | 18 |
| 11.1 | 12.0 | 12.3 | 12.3 | 90 | 89 | 73 | 86 | 13.2 | 14.1 | 14.4 | 14.4 | 1.6 | 3.0 | 3.5 | 2.7 | 3.5 | 6.1 | 6.2 | 5.0 | 25.0 | 8.1 | 23 |
| 10.9 | 11.9 | 11.0 | 11.1 | 75 | 69 | 48 | 67 | 13.2 | 14.2 | 13.2 | 13.3 | 1.6 | 1.7 | 2.4 | 2.0 | 3.2 | 4.1 | 4.7 | 3.7 | 38.4 | 11.6 | 2 |
| 13.4 | 15.5 | 16.0 | 13.8 | 69 | 67 | 47 | 64 | 14.5 | 17.3 | 18.7 | 16.0 | 1.1 | 1.0 | 2.1 | 1.2 | 2.9 | 4.9 | 4.3 | 4.7 | 4.6 | 4.6 | 10 |
| 9.9 | 12.2 | 14.3 | 11.2 | 81 | 77 | 56 | 72 | 12.4 | 14.3 | 16.4 | 13.3 | 0.5 | 0.7 | 0.8 | 0.2 | 2.3 | 1.7 | 3.2 | 2.0 | 3.9 | 1.3 | 17 |
| 11.1 | 12.3 | 14.3 | 12.5 | 94 | 94 | 81 | 93 | 13.3 | 14.4 | 16.4 | 14.6 | 3.5 | 6.7 | 4.4 | 2.9 | 5.9 | 7.6 | 6.8 | 4.3 | 23.9 | 8.6 | 27 |
| 11.1 | 12.3 | 14.9 | 12.5 | 81 | 73 | 61 | 76 | 13.4 | 15.5 | 17.2 | 14.6 | 1.7 | 2.8 | 2.4 | 1.4 | 3.7 | 4.7 | 4.8 | 3.8 | 32.4 | 8.6 | 27 |
| 15.1 | 14.7 | 15.0 | 15.0 | 77 | 62 | 43 | 70 | 17.2 | 16.9 | 17.0 | 17.6 | 1.9 | 2.0 | 3.0 | 2.6 | 2.9 | 4.1 | 5.5 | 4.0 | 8.0 | 4.0 | 1 |
| 10.4 | 11.3 | 9.4 | 11.8 | 76 | 66 | 40 | 65 | 12.8 | 13.6 | 12.0 | 13.3 | 1.0 | 1.5 | 1.9 | 0.8 | 2.3 | 2.5 | 3.6 | 2.0 | 0.6 | 0.6 | 18 |
| 11.6 | 12.6 | 13.1 | 13.3 | 88 | 89 | 79 | 89 | 13.8 | 14.8 | 15.5 | 15.3 | 3.1 | 5.9 | 4.9 | 3.2 | 4.0 | 7.5 | 7.0 | 3.4 | 46.1 | 15.0 | 23 |
| 12.4 | 12.9 | 12.6 | 13.7 | 83 | 70 | 54 | 75 | 14.6 | 15.1 | 14.8 | 15.6 | 2.0 | 3.1 | 3.3 | 2.2 | 3.2 | 4.7 | 5.4 | 3.4 | 54.7 | 15.0 | 23 |
| 17.1 | 18.4 | 18.7 | 18.5 | 84 | 77 | 58 | 80 | 19.3 | 21.2 | 21.7 | 21.5 | 1.0 | 1.0 | 2.3 | 0.1 | 3.9 | 4.0 | 5.1 | 3.3 | 7.5 | 3.9 | 1 |
| 13.6 | 13.9 | 13.1 | 13.6 | 84 | 73 | 50 | 75 | 15.8 | 16.0 | 15.1 | 15.7 | 0.3 | 0.5 | 1.1 | 0.0 | 2.5 | 3.3 | 3.7 | 2.3 | 2.3 | 1.8 | 13 |
| 14.2 | 13.9 | 14.9 | 14.5 | 93 | 87 | 81 | 93 | 16.2 | 16.0 | 17.2 | 16.6 | 1.3 | 3.1 | 3.0 | 1.9 | 5.3 | 7.3 | 7.3 | 5.6 | 141.1 | 36.8 | 23 |
| 14.9 | 15.4 | 15.6 | 15.6 | 87 | 79 | 63 | 82 | 17.1 | 17.7 | 18.0 | 17.9 | 0.9 | 1.5 | 2.1 | 0.7 | 3.9 | 4.9 | 5.4 | 3.7 | 150.9 | 36.8 | 23 |

# MONTH NOVEMBER 1954

| المحطة STATION | المدة Period | Numbers of Days. عدد الايام: مطر Rain | ثلج Snow | برد Hail. | عاصفة رعدية Thunderstorms. | ضباب Fog. | زوبعة غبار Duststorm | الجو صحو Clear. | الجو غائم Cloudy. | هطول المطر بالمليمترات Rainfall (mms.) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observations. 0300 (G.M.T.): شمالي N. | شمال شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمال غربي NW. | هادئ C. | معدل السرعة بالعقد Vk. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Mosul*** موصل | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 36° 19' N. | 1—10 | 3 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| X = 43° 09' E. | 11—20 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| Hs. = 222.6 m. Hb. = 223.5 m. | 21—30 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | [illegible] | 2 | 0 | 0 | 0 | 0 | 7 | 3 |
| ha = 13.1 m. | MONTH | 7 | 0 | 0 | 2 | 1 | 0 | 7 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | [illegible] | 2 | 0 | 0 | 0 | 0 | 27 | 1 |
| ***Kirkuk*** كركوك | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28' N. | 1—10 | 4 | 0 | 0 | 2 | 0 | 0 | 4 | 1 | 4 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 |
| X = 44° 24' E. | 11—20 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 1 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21—30 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 2 | 0 | 0 | 1 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 |
| ha = 8.2 m. | MONTH | 9 | 0 | 0 | 3 | 0 | 0 | 9 | 4 | 9 | 2 | 0 | 0 | 4 | 19 | 3 | 2 | 1 | 0 | 0 | 0 | 1 | 5 |
| ***Khanaqin*** خانقين | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 34° 19' N. | 1—10 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| X = 45 26 E. | 11—20 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 1 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21—30 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 7 | 7 | 1 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| ***Baghdad*** بغداد | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20' N. | 1—10 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 6 |
| X = 44 24 E. | 11—20 | 3 | 0 | 0 | 0 | 2 | 0 | 5 | 1 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 5 | 2 | 7 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21—30 | 4 | 0 | 0 | 0 | 7 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 1 | 3 |
| ha = 17.7 m. | MONTH | 8 | 0 | 0 | 1 | 9 | 0 | 7 | 3 | 7 | 0 | 0 | 0 | 4 | 5 | 3 | 2 | 1 | 0 | 4 | 6 | 3 | 5 |
| ***Habbaniya*** حبانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 22' N. | 1—10 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 3 | 5 |
| X = 43 34 E. | 11—20 | 3 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 3 |
| Hs. = 34.6 m. Hb. = 44.5 m. | 21—30 | 5 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| ha = 14.9 m. | MONTH | 10 | 0 | 1 | 3 | 0 | 0 | 7 | 3 | 8 | 1 | 0 | 0 | 5 | 0 | 4 | 1 | 0 | 0 | 0 | 3 | 17 | 3 |
| ***Rutba*** رطبة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 33° 02' N. | 1—10 | 2 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| X = 40 17 E. | 11—20 | 3 | 0 | 0 | 1 | 3 | 0 | 3 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 | 0 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21—30 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 4 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 6 | 2 |
| ha = 16.1 m. | MONTH | 9 | 0 | 0 | 5 | 4 | 0 | 5 | 5 | 9 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 25 | 1 |
| ***Kut Al-Hai*** كوت الحي | | | | | | | | | | | | | | | | | | | | | | | |
| Q. = 32° 10' N. | 1—10 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 2 | 1 | 1 | 4 |
| X = 46 03' E. | 11—20 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 4 | 0 | 4 |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21—30 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 4 | 1 | 5 |
| ha = 7.9 m. | MONTH | 6 | 0 | 0 | 2 | 0 | 0 | 5 | 2 | 5 | 1 | 0 | 0 | 2 | 0 | 5 | 3 | 2 | 0 | 7 | 9 | 2 | 4 |
| ***Diwaniya*** الديوانية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59' N. | 1—10 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 4 | 4 |
| N = 44 59 E. | 11—20 | 3 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 5 | 3 |
| Hs. = 20.4 m. Hb. = 21.0 m. | 21—30 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 4 | 0 | 1 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 4 | 3 |
| ha = 5.8 m. | MONTH | 11 | 0 | 0 | 1 | 2 | 0 | 7 | 4 | 7 | 0 | 1 | 0 | 3 | 2 | 6 | 1 | 0 | 0 | 5 | 0 | 13 | 3 |
| ***Nasiriya*** ناصرية | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01' N. | 1—10 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 1 | 0 | 1 | 1 | 0 | 7 |
| X = 46 14 E. | 11—20 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 1 | 0 | 0 | 4 | 0 | 6 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21—30 | 6 | 0 | 0 | 1 | 1 | 0 | 0 | 3 | 5 | 2 | 0 | 0 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 7 |
| ha = 8.8 m. | MONTH | 10 | 0 | 0 | 4 | 1 | 0 | 3 | 5 | 8 | 2 | 0 | 0 | 12 | 1 | 6 | 1 | 2 | 0 | 1 | 7 | 0 | 7 |
| ***Basra*** بصرة | | | | | | | | | | | | | | | | | | | | | | | |
| Q = 30° 34' N. | 1—10 | 5 | 0 | 0 | 2 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 3 | 1 | 0 | 5 |
| X = 47 47 E. | 11—20 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 4 |
| Hs. = 2.4 m. Hb = 13.7 m. | 21—30 | 9 | 0 | 0 | 4 | 2 | 0 | 0 | 5 | 8 | 6 | 0 | 0 | 4 | 1 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 6 |
| ha = 23.5 m. | MONTH | 16 | 0 | 0 | 7 | 2 | 0 | 3 | 7 | 11 | 6 | 0 | 0 | 6 | 8 | 4 | 1 | 1 | 1 | 4 | 4 | 1 | 6 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS.

## مدلولات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) دقيقة Deg. | خط العرض شمالا Lat. (N) درجة Min. | خط الطول شرقاً Long (E) دقيقة Deg. | خط الطول شرقاً Long (E) درجة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) دقيقة Deg. | خط العرض شمالا Lat. (N) درجة Min. | خط الطول شرقاً Long. (E) دقيقة Deg. | خط الطول شرقاً Long. (E) درجة Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) دقيقة Deg. | خط العرض شمالا Lat. (N) درجة Min. | خط الطول شرقاً Long. (E) دقيقة Deg. | خط الطول شرقاً Long. (E) درجة Min. | هطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo ... | 37 | 03 | 42 | 41 | 37.6 | Sulaimanya ... | 35 | 33 | 45 | 25 | 64.5 | Hilla ... | 32 | 29 | 44 | 26 | 26.4 |
| Amadia ... | 37 | 05 | 43 | 30 | 52.9 | Chamchamal ... | 35 | 32 | 44 | 51 | .... | Hit ... | 33 | 4 | 42 | 55 | 30.4 |
| Aqra ... | 36 | 45 | 43 | 53 | 117.1 | Penjwin ... | 35 | 37 | 45 | 58 | 84.2 | Hindiya ... | 32 | 42 | 44 | 17 | 17.4 |
| Duhok ... | 36 | 52 | 43 | 02 | 49.6 | Halabja ... | 35 | 11 | 45 | 59 | 53.4 | Karbal ... | 32 | 37 | 44 | 01 | 8.0 |
| Sanat ... | 36 | 47 | 42 | 48 | 75.5 | Chwarta ... | 35 | 44 | 45 | 33 | ... | Anah ... | 32 | 28 | 41 | 57 | 44.0 |
| Sarsank ... | 36 | 58 | 43 | 32 | 102.6 | Bakrajo ... | 35 | 34 | 45 | 23 | 80.6 | Samawa ... | 31 | 20 | 45 | 15 | 76.2 |
| Sijar ... | 36 | 19 | 41 | 50 | 53.5 | Iftikhar ... | 35 | 03 | 44 | 27 | 34.8 | Kut ... | 32 | 30 | 45 | 45 | 19.5 |
| Telafar ... | 36 | 22 | 42 | 28 | 33.0 | Al-Mansur ... | 34 | 05 | 44 | 58 | 33.0 | Qala't Sukar ... | 31 | 52 | 46 | 05 | .... |
| Arbil ... | 36 | 11 | 44 | 00 | 29.8 | Tuz ... | 34 | 50 | 44 | 30 | 32.8 | A'mara ... | 31 | 51 | 47 | 10 | 79.6 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 45.0 | Jalawla .... | 34 | 16 | 45 | 09 | 36.6 | Bada'a .... | 31 | 05 | 45 | 55 | 64.5 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | 48.3 | Mandily ... | 33 | 45 | 45 | 33 | 23.8 | Ur ... | 30 | 58 | 46 | 05 | 41.1 |
| Rayat ... | 36 | 41 | 44 | 57 | 34.9 | Samarra ... | 34 | 11 | 43 | 50 | ... | Fao ... | 29 | 59 | 48 | 30 | 14.9 |

## NOTES ON TABLES

***Mean Air Pressure***:— Is expressed in the millibars, the initial 6 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0600 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all observation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office, Air Ministry London.

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر الربع = ضغط ٠٫٢٩٥٣١ ر٠ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥ . لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق . ان ارتفاع بصلات المحارير ١٫٣ م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف العدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠ متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/١ . والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨ / ٧ أو ٨ / ٨ .

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≤ ٨ اذا كان الريح مساويا الى هذين المقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح ( الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كرينيج = وقت بغداد المحلي - ٣ ساعات

ان مدلولات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر باذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .

# الحكومة العراقية

# GOVERNMENT OF IRAQ

## وزارة المواصلات والاشغال ـ مديرية الانواء الجوية

## MINISTRY OF COMMUNICATIONS AND WORKS -- METEOROLOGICAL DEPARTMENT

**MONTHLY WEATHER REPORT.**

**التقرير الجوي الشهري**

**DECEMBER 1954**

**كانون الاول ١٩٥٤**

With the compliments of the
Director, Meteorological Department
Toufiq Fattah.

مع تحيات مدير الانواء الجوية
توفيق فتاح

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# MONTH DECEMBER 1954

| المحطة STATION | المدة Period | الضغط الجوي بالمليبار على مستوى سطح البحر Mean Pressure (Mbs) at M. S. L. G. M. T. 00 | 06 | 12 | 18 | TEMPERATURE (C°) (درجات مئوية) المعدل Mean G. M. T. 00 | 06 | 12 | 18 | معدل النهاية العظمى Mean Maximum. | معدل النهاية الصغرى Mean Minimum. | اعلى نهاية عظمى Highest Maximum. | التاريخ Date | اوطأ نهاية عظمى Lowest Maximum | التاريخ Date | اعلى نهاية صغرى Highest Minimum. | التاريخ Date | اوطأ نهاية صغرى Lowest Minimum. | التاريخ Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mosul** موصل | | | | | | | | | | | | | | | | | | | |
| Q = 35° 28′ N. | 1-10 | 20.7 | 21.6 | 19.2 | 21.1 | 5.5 | 7.4 | 15.6 | 7.7 | 16.5 | 3.7 | 18.9 | 2 | 11.8 | 7 | 8.6 | 5 | —1.3 | 4 |
| λ = 44° 26′ E. | 11-20 | 24.5 | 24.9 | 21.9 | 23.7 | 2.7 | 5.4 | 17.2 | 5.7 | 17.9 | 1.0 | 20.6 | 17 | 12.1 | 20 | 3.7 | 16 | —1.0 | 17 |
| Hs. = 223.5 m. Hb. = 223.5 m. | 21-31 | 18.3 | 18.8 | 17.3 | 18.4 | 8.1 | 9.0 | 14.3 | 9.4 | 14.9 | 6.6 | 18.4 | 26 | 12.3 | 22 | 11.2 | 28 | 2.5 | 21 |
| ha = 13.2 m. | MONTH | 21.1 | 21.8 | 19.4 | 21.0 | 5.4 | 7.3 | 15.7 | 8.0 | 16.4 | 3.9 | 20.6 | 17 | 11.8 | 7 | 11.2 | 28 | —1.2 | 4 |
| **Kirkuk** كركوك | | | | | | | | | | | | | | | | | | | |
| Q = 35° 78′ N. | 1-10 | 19.3 | 20.1 | 18.0 | 19.7 | 8.2 | 9.9 | 15.0 | 9.6 | 15.6 | 5.8 | 18.0 | 5 | 12.6 | 6 | 10.0 | 1 | 4.0 | 8 |
| λ = 44° 34′ E. | 11-20 | 22.7 | 22.6 | 20.3 | 22.2 | 7.9 | 10.6 | 17.3 | 10.2 | 18.7 | 6.0 | 21.1 | 16 | 16.2 | 11 | 8.2 | 12 | 4.8 | 14,17 |
| Hs. = 330.9 m. Hb. = 331.7 m. | 21-31 | 17.0 | 18.6 | 16.0 | 16.8 | 9.8 | 11.3 | 14.7 | 11.3 | 15.9 | 10.1 | 20.8 | 26 | 12.2 | 31 | 11.4 | 28 | 6.9 | 31 |
| ha = 8.2 m. | MONTH | 19.6 | 20.4 | 18.1 | 19.6 | 8.6 | 10.6 | 15.6 | 10.4 | 16.7 | 7.4 | 21.1 | 16 | 12.2 | 31 | 11.4 | 28 | 4.0 | 3 |
| **Khanoqin** خانقين | | | | | | | | | | | | | | | | | | | |
| Q = 34° 18 N. | 1-10 | ... | 19.9 | 17.8 | 18.8 | ... | 11.0 | 16.5 | 11.1 | 16.9 | 7.4 | 18.9 | 10 | 15.5 | 2 | 11.1 | 1,2 | 3.9 | 9 |
| λ = 45° 26 E. | 11-20 | ... | 21.4 | 19.8 | 21.3 | ... | 9.3 | 18.0 | 11.3 | 18.5 | 5.7 | 20.5 | 17,19 | 16.1 | 18 | 8.3 | 12 | 3.3 | 17 |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21-31 | ... | 15.9 | 16.0 | 17.5 | ... | 12.8 | 17.5 | 12.5 | 17.7 | 10.5 | 21.6 | 26 | 14.4 | 31 | 13.3 | 28 | 8.9 | 31 |
| ha = 6.1 m. | MONTH | ... | 19.0 | 17.8 | 19.1 | ... | 11.1 | 17.3 | 11.7 | 17.7 | 8.0 | 21.6 | 26 | 14.4 | 31 | 13.3 | 28 | 3.3 | 17 |
| **Baghdad** بغداد | | | | | | | | | | | | | | | | | | | |
| Q = 33° 20′ N. | 1-10 | 19.7 | 21.2 | 19.4 | 20.1 | 8.5 | 9.2 | 15.1 | 10.5 | 16.0 | 6.3 | 18.2 | 3 | 12.6 | 7 | 10.4 | 6 | 4.6 | 4 |
| λ = 44° 24′ E. | 11-20 | 22.2 | 22.9 | 21.0 | 22.0 | 9.1 | 9.8 | 16.7 | 11.6 | 17.2 | 7.5 | 19.8 | 19 | 14.4 | 12 | 11.1 | 13 | 4.8 | 15 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21-31 | 17.0 | 18.5 | 16.2 | 17.2 | 11.2 | 11.6 | 16.9 | 12.8 | 17.4 | 9.6 | 20.8 | 26 | 12.7 | 30 | 12.6 | 21 | 7.5 | 23 |
| ha = 17.7 m. | MONTH | 19.6 | 20.8 | 18.8 | 19.7 | 9.7 | 10.2 | 16.3 | 11.7 | 16.9 | 7.9 | 20.8 | 26 | 12.6 | 7 | 12.6 | 21 | 4.6 | 4 |
| **Habbaniyah** حبانية | | | | | | | | | | | | | | | | | | | |
| Q = 33° 22′ N. | 1-10 | 19.6 | 20.9 | 19.2 | 19.9 | 8.3 | 9.8 | 15.4 | 10.5 | 16.3 | 7.0 | 18.9 | 3,4 | 12.8 | 7 | 10.0 | 6 | 5.0 | 10 |
| λ = 44° 21′ E. | 11-20 | 22.0 | 23.0 | 21.1 | 22.1 | 8.9 | 9.5 | 16.5 | 10.3 | 17.0 | 7.3 | 20.0 | 19 | 13.9 | 12 | 11.1 | 13 | 5.0 | 15,17 |
| Hs. = 43.6 m. Hb. = 44.5 m. | 21-31 | 16.6 | 18.0 | 16.2 | 16.9 | 10.6 | 11.2 | 16.6 | 12.3 | 17.2 | 9.4 | 21.1 | 26 | 13.3 | 30 | 12.8 | 23 | 6.1 | 31 |
| ha = 14.9 m. | MONTH | 19.3 | 20.5 | 18.7 | 19.6 | 9.3 | 10.2 | 16.1 | 11.4 | 16.8 | 7.9 | 21.1 | 26 | 12.8 | 7 | 12.8 | 28 | 5.0 | 10,15,17 |
| **Rutba** رطبة | | | | | | | | | | | | | | | | | | | |
| Q = 33° 02 N. | 1-10 | 19.5 | 20.4 | 18.7 | 20.4 | 6.4 | 7.6 | 14.0 | 8.7 | 14.6 | 4.9 | 16.7 | 10 | 11.6 | 6 | 8.7 | 1 | 2.2 | 9 |
| λ = 40° 17 E. | 11-20 | 22.3 | 23.1 | 20.8 | 23.6 | 7.8 | 8.3 | 15.2 | 9.8 | 15.9 | 5.9 | 20.7 | 17 | 10.5 | 12 | 9.5 | 20 | 2.4 | 14 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21-31 | 16.5 | 18.0 | 16.3 | 17.5 | 7.1 | 7.5 | 13.2 | 8.8 | 14.0 | 5.1 | 17.0 | 26 | 10.3 | 30 | 8.7 | 21 | 1.4 | 31 |
| ha = 16.1 m. | MONTH | 19.3 | 20.5 | 18.5 | 20.1 | 7.1 | 7.8 | 14.1 | 9.1 | 14.8 | 5.3 | 20.7 | 17 | 10.3 | 30 | 9.5 | 20 | 1.4 | 31 |
| **Kut Al-Hai** كوت الحي | | | | | | | | | | | | | | | | | | | |
| Q = 32° 10 N. | 1-10 | 19.0 | 20.0 | 18.9 | 19.8 | 9.4 | 10.4 | 16.3 | 11.1 | 17.0 | 7.3 | 20.5 | 6 | 12.2 | 5 | 12.7 | 1 | 4.7 | 5 |
| λ = 46° 03 E. | 11-20 | 21.5 | 22.4 | 20.5 | 21.4 | 9.5 | 10.1 | 17.2 | 12.2 | 17.7 | 7.8 | 19.4 | 16,17 | 14.1 | 12 | 11.7 | 13 | 5.6 | 15 |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21-31 | 16.7 | 18.0 | 16.2 | 16.9 | 13.2 | 13.0 | 18.6 | 14.2 | 19.6 | 11.7 | 23.8 | 26 | 16.2 | 30 | 14.6 | 28 | 7.3 | 31 |
| ha = 7.9 m. | MONTH | 19.1 | 20.3 | 18.1 | 19.3 | 10.7 | 11.4 | 17.4 | 12.6 | 18.1 | 8.9 | 23.8 | 26 | 12.5 | 5 | 14.6 | 28 | 4.7 | 5 |
| **Diwaniya** ديوانية | | | | | | | | | | | | | | | | | | | |
| Q = 31° 59 N. | 1-10 | 18.9 | 20.5 | 18.5 | 19.5 | 8.5 | 10.9 | 16.0 | 10.5 | 16.6 | 7.0 | 20.0 | 4 | 11.0 | 5 | 12.4 | 1 | 4.1 | 10 |
| λ = 44° 59 E. | 11-20 | 20.9 | 22.2 | 20.0 | 21.3 | 8.9 | 10.7 | 16.4 | 11.4 | 17.2 | 7.5 | 21.5 | 17 | 11.6 | 12 | 10.0 | 20 | 4.4 | 15 |
| Hs. = 20.4 m. Hb. = 21.0 m | 21-31 | 16.2 | 17.6 | 15.4 | 16.4 | 11.3 | 12.3 | 17.6 | 13.1 | 18.3 | 10.1 | 21.6 | 26 | 15.2 | 24 | 12.9 | 26 | 5.1 | 31 |
| ha = 5.8 m. | MONTH | 18.7 | 20.1 | 18.0 | 19.1 | 9.6 | 11.4 | 16.7 | 11.7 | 17.4 | 8.3 | 21.8 | 26 | 11.0 | 5 | 12.9 | 26 | 4.1 | 10 |
| **Nasiriya** ناصرية | | | | | | | | | | | | | | | | | | | |
| Q = 31° 01 N. | 1-10 | 18.8 | 20.6 | 19.5 | 19.5 | 10.3 | 11.4 | 16.1 | 11.8 | 17.0 | 8.3 | 18.1 | 1 | 13.7 | 5 | 13.0 | 1 | 5.3 | 10 |
| λ = 46° 14 E. | 11-20 | 20.9 | 22.1 | 20.0 | 21.2 | 10.2 | 11.1 | 16.8 | 12.7 | 17.4 | 8.2 | 19.4 | 19,20 | 12.5 | 11 | 12.2 | 20 | 5.2 | 17 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21-30 | 16.2 | 17.9 | 15.7 | 16.5 | 13.2 | 13.8 | 18.5 | 14.7 | 19.2 | 11.7 | 23.4 | 27 | 14.2 | 22 | 15.3 | 28 | 6.6 | 31 |
| ha = 8.8 m. | MONTH | 18.7 | 20.2 | 18.4 | 19.1 | 11.2 | 12.1 | 17.1 | 13.1 | 17.9 | 9.4 | 23.4 | 27 | 12.5 | 11 | 15.3 | 28 | 5.2 | 17 |
| **Basrah** بصره | | | | | | | | | | | | | | | | | | | |
| Q = 30° 34 N. | 1-10 | 18.2 | 19.5 | 18.1 | 18.7 | 12.2 | 13.4 | 16.8 | 13.2 | 17.7 | 10.7 | 23.4 | 6 | 14.9 | 10 | 15.1 | 6 | 9.3 | 4,10 |
| λ = 47° 47 E. | 11-20 | 20.4 | 21.4 | 19.6 | 20.5 | 10.9 | 12.1 | 17.0 | 13.3 | 17.7 | 9.7 | 20.2 | 20 | 13.6 | 11 | 13.1 | 20 | 6.9 | 17 |
| Hs. = 2.4 m. Hb. = 13.7 m. | 21-30 | 16.3 | 17.4 | 15.7 | 16.5 | 14.6 | 15.6 | 19.4 | 15.5 | 20.3 | 13.1 | 25.0 | 27 | 16.0 | 22 | 15.7 | 28 | 8.3 | 31 |
| ha = 23.5 m. | MONTH | 18.2 | 19.4 | 17.8 | 18.6 | 12.6 | 13.7 | 17.7 | 14.0 | 18.6 | 11.3 | 25.0 | 27 | 13.6 | 11 | 15.7 | 28 | 6.9 | 17 |

# شهر كانون الاول ١٩٥٤

| درجة الندى (م°) Dew Point (oC) G.M.T. | | | | الرطوبة النسبية بالمائة Relative Humidity % G.M.T. | | | | ضغط البخار (ميليبار) Vapour Pressure (Mbs) G.M.T. | | | | معدل مقدار الغيم الواطىء (بالأعشار) Mean Low Cloud Amount (OKTAS) G.M.T. | | | | معدل مجموع الغيم الكلى (بالأعشار) Mean Total Cloud Amount (OKTAS) G.M.T. | | | | هطول المطر بالمليمترات Rain Fall (mms) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | 00 | 06 | 12 | 18 | المجموع Total | اعلى كمية مطر سقطت خلال ٢٤ ساعة Max.Fall in24hrs. | التاريخ Date |
| 4.9 | 6.4 | 8.5 | 6.6 | 96 | 94 | 65 | 93 | 8.7 | 9.8 | 11.2 | 9.9 | 2.7 | 3.7 | 3.0 | 2.1 | 4.0 | 5.2 | 5.4 | 3.5 | 22.9 | 19.5 | 5 |
| 2.2 | 4.6 | 7.8 | 5.3 | 97 | 95 | 55 | 91 | 7.2 | 8.5 | 10.6 | 9.0 | 1.6 | 2.5 | 1.7 | 1.1 | 2.9 | 4.5 | 3.4 | 1.6 | 3.5 | 2.9 | 20 |
| 7.6 | 8.0 | 10.4 | 8.3 | 97 | 94 | 78 | 95 | 10.6 | 10.9 | 12.7 | 11.0 | 3.5 | 4.9 | 4.9 | 2.0 | 5.2 | 6.0 | 6.5 | 3.0 | 49.8 | 21.4 | 30 |
| 5.0 | 6.8 | 8.9 | 6.8 | 97 | 94 | 66 | 93 | 8.9 | 9.8 | 12.5 | 10.0 | 2.6 | 3.7 | 3.2 | 1.8 | 4.1 | 5.2 | 5.1 | 2.7 | 76.1 | 21.4 | 30 |
| 7.1 | 7.5 | 8.0 | 8.5 | 93 | 85 | 64 | 90 | 10.2 | 10.4 | 10.8 | 10.8 | 1.9 | 2.1 | 2.4 | 2.1 | 3.6 | 4.9 | 5.1 | 3.1 | 25.3 | 17.7 | 5 |
| 4.0 | 3.3 | 4.3 | 5.5 | 76 | 61 | 42 | 73 | 8.1 | 7.7 | 8.4 | 9.0 | 0.7 | 0.7 | 0.7 | 0.6 | 2.1 | 3.8 | 4.0 | 1.7 | TR | TR | 20 |
| 7.2 | 8.9 | 9.4 | 8.4 | 88 | 85 | 73 | 84 | 10.3 | 11.5 | 11.9 | 11.0 | 2.7 | 4.0 | 4.3 | 3.4 | 5.4 | 6.3 | 6.4 | 5.5 | 40.4 | 17.9 | 30 |
| 6.2 | 6.7 | 7.3 | 7.5 | 84 | 77 | 60 | 82 | 9.6 | 9.8 | 10.4 | 10.3 | 1.8 | 2.3 | 2.5 | 2.1 | 3.7 | 5.0 | 5.2 | 3.5 | 65.5 | 17.9 | 30 |
| ... | 7.9 | 8.6 | 8.3 | ... | 82 | 60 | 82 | ... | 10.9 | 11.3 | 11.1 | ... | 2.1 | 2.9 | 3.5 | ... | 4.2 | 5.4 | 4.1 | 32.3 | 26.8 | 5 |
| ... | 4.1 | 6.2 | 7.2 | ... | 70 | 47 | 79 | ... | 8.3 | 9.6 | 10.3 | ... | 2.0 | 2.3 | 2.0 | ... | 4.4 | 4.8 | 3.2 | 0.9 | 0.9 | 20 |
| ... | 9.3 | 9.7 | 9.5 | ... | 81 | 64 | 83 | ... | 11.9 | 12.6 | 11.9 | ... | 5.5 | 4.9 | 3.5 | ... | 6.7 | 5.2 | 4.2 | 38.8 | 20.7 | 30 |
| ... | 7.2 | 8.3 | 8.4 | ... | 78 | 57 | 81 | ... | 10.4 | 11.1 | 11.1 | ... | 3.2 | 3.4 | 3.0 | ... | 5.1 | 5.4 | 3.8 | 72.0 | 26.3 | 5 |
| 7.5 | 7.8 | 8.7 | 9.0 | 94 | 91 | 69 | 91 | 10.6 | 10.7 | 11.3 | 11.5 | 1.6 | 3.4 | 3.7 | 0.8 | 2.4 | 5.1 | 5.6 | 3.4 | 44.5 | 40.0 | 5 |
| 9.2 | 8.1 | 9.8 | 9.4 | 94 | 89 | 65 | 87 | 11.0 | 10.8 | 12.3 | 11.9 | 2.4 | 1.2 | 2.0 | 2.1 | 4.1 | 4.8 | 5.1 | 3.9 | 26.2 | 19.1 | 11 |
| 9.9 | 10.1 | 11.0 | 10.4 | 92 | 90 | 70 | 87 | 12.3 | 12.5 | 13.3 | 12.3 | 1.8 | 3.9 | 3.9 | 1.6 | 4.4 | 6.0 | 5.3 | 3.7 | 19.4 | 14.9 | 30 |
| 8.9 | 8.7 | 9.9 | 9.6 | 93 | 90 | 68 | 88 | 11.3 | 11.3 | 12.3 | 12.1 | 1.9 | 2.8 | 3.2 | 1.5 | 3.6 | 5.3 | 5.3 | 3.7 | 96.1 | 40.0 | 5 |
| 8.1 | 8.4 | 10.5 | 9.6 | 98 | 92 | 77 | 94 | 10.9 | 11.1 | 12.8 | 12.0 | 2.4 | 3.1 | 2.6 | 1.2 | 2.1 | 5.5 | 5.0 | 4.2 | 18.7 | 17.1 | 5 |
| 8.4 | 8.9 | 11.2 | 10.3 | 97 | 96 | 71 | 93 | 11.1 | 11.4 | 13.3 | 12.6 | 1.2 | 2.6 | 0.7 | 0.9 | 4.1 | 5.2 | 4.4 | 4.1 | 16.0 | 14.1 | 11 |
| 10.8 | 10.1 | 11.7 | 10.8 | 95 | 93 | 72 | 90 | 13.9 | 12.4 | 13.8 | 12.9 | 2.3 | 1.8 | 2.4 | 3.4 | 3.9 | 4.8 | 4.9 | 4.3 | 9.0 | 5.6 | 27 |
| 9.1 | 9.1 | 11.1 | 10.2 | 97 | 93 | 74 | 92 | 11.5 | 11.7 | 13.3 | 12.5 | 2.0 | 2.5 | 1.8 | 1.6 | 3.5 | 5.2 | 4.7 | 4.2 | 43.7 | 17.1 | 5 |
| 5.4 | 5.7 | 5.5 | 6.6 | 94 | 87 | 59 | 88 | 9.1 | 9.2 | 9.2 | 9.9 | 1.4 | 2.2 | 3.3 | 2.0 | 2.1 | 4.4 | 4.7 | 4.1 | 17.3 | 15.0 | 5 |
| 6.7 | 6.5 | 7.1 | 8.3 | 94 | 89 | 60 | 90 | 9.9 | 9.8 | 10.4 | 11.0 | 2.9 | 2.0 | 2.6 | 2.6 | 4.4 | 3.9 | 4.2 | 3.9 | 4.8 | 3.5 | 20 |
| 5.9 | 5.7 | 6.9 | 6.5 | 93 | 88 | 65 | 86 | 9.4 | 9.3 | 8.9 | 9.8 | 2.5 | 2.5 | 4.9 | 2.9 | 3.5 | 4.5 | 5.5 | 3.3 | 2.9 | 1.6 | 24 |
| 6.0 | 5.9 | 6.5 | 7.1 | 94 | 88 | 61 | 88 | 9.5 | 9.4 | 9.7 | 10.2 | 2.3 | 2.2 | 3.7 | 2.5 | 3.4 | 4.3 | 4.8 | 3.7 | 25.0 | 15.0 | 5 |
| 8.2 | 9.0 | 9.9 | 9.0 | 92 | 91 | 68 | 88 | 11.1 | 11.6 | 12.5 | 11.6 | 1.4 | 2.0 | 3.0 | 1.0 | 2.1 | 3.0 | 4.1 | 1.8 | 42.0 | 41.0 | 5 |
| 8.1 | 8.9 | 9.7 | 9.9 | 91 | 88 | 63 | 87 | 10.9 | 11.6 | 12.2 | 12.3 | 3.0 | 3.5 | 2.1 | 1.9 | 4.7 | 5.7 | 5.0 | 3.3 | 9.8 | 8.0 | 12 |
| 11.1 | 12.2 | 12.2 | 11.4 | 89 | 90 | 67 | 84 | 13.4 | 14.1 | 14.0 | 13.6 | 4.4 | 3.9 | 3.0 | 3.3 | 5.9 | 5.9 | 5.4 | 4.7 | 18.5 | 11.8 | 30 |
| 9.2 | 10.0 | 10.7 | 10.2 | 91 | 89 | 66 | 86 | 11.8 | 12.5 | 12.9 | 12.5 | 3.0 | 3.1 | 2.7 | 2.1 | 4.2 | 4.8 | 4.8 | 3.3 | 70.3 | 41.0 | 5 |
| 7.3 | 9.5 | 11.1 | 8.9 | 94 | 93 | 75 | 93 | 10.4 | 12.0 | 13.3 | 11.6 | 1.0 | 3.3 | 3.7 | 0.8 | 1.9 | 3.7 | 4.3 | 3.4 | 27.5 | 26.7 | 5 |
| 8.2 | 9.6 | 11.7 | 10.2 | 97 | 94 | 76 | 93 | 11.0 | 12.7 | 13.9 | 12.5 | 2.0 | 2.6 | 2.7 | 1.6 | 3.2 | 5.1 | 6.0 | 3.9 | 27.9 | 16.5 | 11 |
| 10.1 | 10.8 | 12.3 | 11.0 | 94 | 94 | 73 | 89 | 12.5 | 13.2 | 14.5 | 13.2 | 2.1 | 4.3 | 4.3 | 3.5 | 3.6 | 5.8 | 5.7 | 4.2 | 14.5 | 6.8 | 24 |
| 8.5 | 10.0 | 11.7 | 10.1 | 95 | 94 | 75 | 92 | 11.3 | 12.5 | 13.9 | 12.4 | 1.7 | 3.4 | 3.6 | 2.0 | 3.1 | 4.9 | 5.3 | 3.8 | 69.9 | 26.7 | 5 |
| 9.3 | 10.1 | 11.2 | 10.7 | 94 | 92 | 74 | 90 | 12.0 | 12.6 | 13.4 | 12.8 | 1.0 | 4.0 | 3.8 | 0.7 | 2.0 | 5.1 | 4.5 | 2.9 | 21.7 | 21.7 | 5 |
| 8.7 | 9.7 | 11.5 | 10.9 | 92 | 92 | 73 | 90 | 11.5 | 12.1 | 14.1 | 13.2 | 1.6 | 3.1 | 2.2 | 2.0 | 3.7 | 5.1 | 5.7 | 3.0 | 28.9 | 20.3 | 12 |
| 11.9 | 11.4 | 13.1 | 12.5 | 92 | 86 | 72 | 86 | 14.1 | 13.6 | 15.3 | 14.6 | 3.3 | 3.0 | 3.0 | 3.0 | 4.5 | 6.0 | 5.5 | 4.0 | 4.9 | 3.1 | 30 |
| 10.0 | 10.4 | 11.9 | 11.4 | 93 | 90 | 73 | 89 | 12.5 | 12.8 | 14.3 | 13.5 | 2.0 | 3.4 | 3.0 | 1.9 | 3.5 | 5.4 | 5.2 | 3.3 | 55.5 | 21.7 | 5 |
| 11.6 | 12.1 | 13.1 | 12.2 | 97 | 93 | 80 | 94 | 13.8 | 14.3 | 15.3 | 14.3 | 3.0 | 2.8 | 2.3 | 0.9 | 3.3 | 4.4 | 3.7 | 2.1 | 63.4 | 57.0 | 5 |
| 10.5 | 11.2 | 12.5 | 12.3 | 97 | 95 | 76 | 94 | 12.7 | 13.4 | 14.7 | 14.5 | 1.5 | 4.9 | 0.6 | 0.2 | 2.6 | 6.2 | 4.7 | 2.5 | 32.6 | 27.2 | 13 |
| 13.5 | 13.7 | 14.3 | 14.0 | 94 | 89 | 74 | 92 | 15.6 | 15.8 | 16.5 | 16.1 | 2.0 | 4.0 | 3.0 | 2.0 | 3.0 | 7.0 | 6.0 | 4.0 | 5.7 | 3.9 | 30 |
| 11.9 | 12.3 | 13.3 | 12.8 | 96 | 92 | 77 | 93 | 14.0 | 14.5 | 15.5 | 15.0 | 2.2 | 3.9 | 2.0 | 1.0 | 3.0 | 5.8 | 4.8 | 2.8 | 101.7 | 57.0 | 5 |

## MONTH DECEMBER 1954

| المحطة STATION | المدة Period | Numbers of Days. عدد الايام: مطر Rain | ثلج Snow | برد Hail. | عاصفة رعدية Thunderstorms. | ضباب Fog. | زوبعة غبار Duststorm | الجو صحو Clear. | الجو غائم Cloudy. | هطول المطر بالمليمترات Rainfall (mms.) 1.0 | 10.0 | قوة الريح Wind force 6 | 8 | الريح السطحي - عدد الرصدات Surface Wind-Number of Observations. 0000 (G.M.T.): شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادئ C. | معدل السرعة بالعقد Ak. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Mosul*** موصل Q = 36° 19' N. X = 43° 09' E. | 1—10 | 2 | 0 | 0 | 0 | 7 | 0 | 1 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 8 | 0 | 2 |
| | 11—20 | 2 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 0 |
| Hs. = 222.6 m. Hb. = 228.5 m. | 21—31 | 6 | 0 | 0 | 0 | 4 | 0 | 0 | 8 | 6 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 9 | 7 | 2 |
| ha = 13.1 m. | MONTH | 10 | 0 | 0 | 0 | 15 | 0 | 3 | 6 | 9 | 3 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 | 27 | 27 | 1 |
| ***Kirkuk*** كركوك Q = 35° 28' N. X = 44° 24' E. | 1—10 | 2 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 1 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 2 | 4 |
| | 11—20 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 |
| Hs. = 330.8 m. Hb. = 331.7 m. | 21—31 | 8 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 8 | 1 | 0 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 4 |
| ha = 8.2 m. | MONTH | 10 | 0 | 0 | 2 | 3 | 0 | 4 | 5 | 10 | 2 | 0 | 0 | 6 | 13 | 4 | 2 | 1 | 0 | 0 | 0 | 5 | 4 |
| ***Khanaqin*** خانقين Q = 34° 18' N. Y = 45 26 E. | 1—10 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 2 | 1 | 1 | 1 | ... | — | — | — | — | — | — | — | — | ... |
| | 11—20 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | ... | — | — | — | — | — | — | — | — | ... |
| Hs. = 201.2 m. Hb. = 202.1 m. | 21—31 | 7 | 0 | 0 | 1 | 1 | 0 | 1 | 6 | 6 | 1 | 2 | 1 | ... | — | — | — | — | — | — | — | — | ... |
| ha = 6.1 m. | MONTH | 10 | 0 | 0 | 1 | 1 | 0 | 6 | 11 | 8 | 2 | 3 | 2 | ... | — | — | — | — | — | — | — | — | ... |
| ***Baghdad*** بغداد Q = 33° 20' N. X = 44 24 E. | 1—10 | 2 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 2 | 3 | 0 | 6 |
| | 11—20 | 3 | 0 | 0 | 0 | 4 | 0 | 1 | 3 | 3 | 1 | 0 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 4 | 0 | 5 |
| Hs. = 34.1 m. Hb. = 40.4 m. | 21—31 | 6 | 0 | 0 | 0 | 8 | 0 | 0 | 3 | 6 | 1 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 2 | 2 | 5 |
| ha = 17.7 m. | MONTH | 11 | 0 | 0 | 1 | 16 | 0 | 1 | 6 | 11 | 2 | 1 | 0 | 2 | 4 | 7 | 2 | 2 | 1 | 2 | 9 | 2 | 5 |
| ***Habbaniya*** حبانية Q = 33° 22' N. X = 43 34 E. | 1—10 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 6 | 2 |
| | 11—20 | 3 | 0 | 0 | 0 | 5 | 0 | 2 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 7 | 2 |
| Hs. = 34.6 m. Hb. = 44.5 m. | 21—31 | 6 | 0 | 1 | 1 | 5 | 0 | 3 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 1 | 6 | 3 |
| ha = 14.9 m. | MONTH | 11 | 0 | 1 | 1 | 13 | 0 | 5 | 8 | 11 | 2 | 0 | 0 | 1 | 0 | 3 | 3 | 0 | 0 | 4 | 1 | 19 | 2 |
| ***Rutba*** رطبة Q = 33° 02' N. X = 40 17 E. | 1—10 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 3 | 1 | 2 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 4 | 4 |
| | 11—20 | 3 | 0 | 0 | 0 | 3 | 0 | 2 | 3 | 3 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 4 |
| Hs. = 615.5 m. Hb. = 616.4 m. | 21—31 | 3 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 2 | 0 | 4 | 5 |
| ha = 16.1 m. | MONTH | 9 | 0 | 0 | 0 | 7 | 0 | 5 | 5 | 9 | 1 | 13 | 0 | 2 | 1 | 3 | 2 | 6 | 0 | 2 | 1 | 14 | 4 |
| ***Kut Al-Hai*** كوت الحي Q. = 32° 10' N. X = 46 03' E. | 1—10 | 3 | 0 | 0 | 0 | 3 | 0 | 4 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 3 | 0 | 4 |
| | 11—20 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 3 | 2 | 0 | 3 |
| Hs. = 14.9 m. Hb. = 16.1 m. | 21—31 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 3 | 1 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 1 | 3 | 1 | 0 | 5 |
| ha = 7.9 m. | MONTH | 11 | 0 | 0 | 1 | 3 | 0 | 4 | 6 | 6 | 2 | 1 | 0 | 1 | 4 | 4 | 1 | 2 | 1 | 12 | 6 | 0 | 4 |
| ***Diwaniya*** الديوانية Q = 31° 59' N. N = 44 59 E. | 1—10 | 2 | 0 | 0 | 1 | 3 | 0 | 2 | 1 | 2 | 1 | 1 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 3 | 0 | 2 | 4 |
| | 11—20 | 2 | 0 | 0 | 0 | 3 | 0 | 2 | 3 | 2 | 2 | 0 | 0 | 0 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 4 | 4 |
| Hs. = 20.4 m. Hb. = 21.0 m. | 21—31 | 4 | 0 | 0 | 1 | 2 | 0 | 1 | 3 | 4 | 0 | 1 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 3 | 0 | 4 | 4 |
| ha = 5.3 m. | MONTH | 8 | 0 | 0 | 2 | 8 | 0 | 5 | 7 | 8 | 3 | 2 | 0 | 2 | 1 | 6 | 3 | 0 | 1 | 8 | 0 | 10 | 4 |
| ***Nasiriya*** ناصرية Q = 31° 01' N. X = 46 14 E. | 1—10 | 1 | 0 | 0 | 1 | 6 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 3 | 1 | 1 | 6 |
| | 11—20 | 2 | 0 | 0 | 1 | 2 | 0 | 2 | 3 | 2 | 1 | 0 | 0 | 4 | 0 | 2 | 0 | 3 | 0 | 1 | 0 | 0 | 5 |
| Hs. = 3.0 m. Hb. = 3.7 m. | 21—31 | 2 | 0 | 0 | 2 | 3 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 2 | 1 | 2 | 2 | 0 | 7 |
| ha = 8.8 m. | MONTH | 5 | 0 | 0 | 4 | 11 | 0 | 4 | 6 | 5 | 2 | 0 | 0 | 10 | 1 | 2 | 2 | 5 | 1 | 6 | 3 | 1 | 6 |
| ***Basra*** بصرة Q = 30° 34' N. X = 47 47 E. | 1—10 | 2 | 0 | 0 | 1 | 4 | 0 | 4 | 1 | 2 | 1 | 0 | 0 | 5 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 0 | 6 |
| | 11—20 | 3 | 0 | 0 | 1 | 6 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 1 | 0 | 3 | 0 | 4 |
| Hs. = 2.4 m. Hb = 13.7 m. | 21—31 | 3 | 0 | 0 | 2 | 5 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 1 | 0 | 2 | 2 | 0 | 6 |
| ha = 23.5 m. | MONTH | 8 | 0 | 0 | 4 | 15 | 0 | 5 | 7 | 7 | 2 | 0 | 0 | 9 | 3 | 4 | 2 | 1 | 1 | 4 | 7 | 0 | 5 |

Surface Wind—Number of Observations. الريح السطحي - عدد الرصدات

| 0600 (G.M.T.) | | | | | | | | | | 1200 (G.M.T.) | | | | | | | | | | 1800 (G.M.T.) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk. | شمالي N. | شمالي شرقي NE. | شرقي E. | جنوبي شرقي SE. | جنوبي S. | جنوبي غربي SW. | غربي W. | شمالي غربي NW. | هادىء C. | معدل السرعة بالعقد Vk. |
| 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 2 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 2 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 | 1 |
| 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 5 | 1 | 1 | 6 | 2 | 1 | 0 | 0 | 0 | 1 | 7 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 2 |
| 5 | 6 | 2 | 1 | 0 | 0 | 0 | 2 | 15 | 3 | 6 | 1 | 7 | 5 | 1 | 1 | 0 | 4 | 7 | 5 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 27 | 1 |
| 1 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 1 | 0 | 4 | 1 | 1 | 2 | 1 | 6 | 2 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 5 |
| 1 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 3 | 3 | 3 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 1 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 1 | 1 | 5 | 3 | 0 | 0 | 1 | 0 | 6 | 0 | 6 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 5 |
| 3 | 15 | 5 | 5 | 1 | 0 | 0 | 0 | 2 | 4 | 0 | 1 | 2 | 5 | 10 | 1 | 2 | 6 | 4 | 5 | 7 | 15 | 4 | 1 | 3 | 0 | 0 | 0 | 1 | 5 |
| 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 2 | 1 | 5 | 1 | 1 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 2 |
| 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 4 | 1 | 1 | 6 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 6 | 1 |
| 0 | 0 | 4 | 1 | 2 | 0 | 0 | 0 | 4 | 6 | 1 | 0 | 2 | 0 | 2 | 0 | 2 | 1 | 3 | 7 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 7 | 3 |
| 0 | 0 | 12 | 2 | 3 | 0 | 0 | 0 | 14 | 4 | 3 | 1 | 2 | 0 | 4 | 2 | 11 | 3 | 5 | 6 | 4 | 0 | 4 | 1 | 1 | 0 | 1 | 1 | 19 | 2 |
| 1 | 0 | 1 | 1 | 0 | 1 | 1 | 5 | 0 | 6 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 5 | 0 | 8 | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 3 | 2 | 5 |
| 2 | 0 | 3 | 0 | 0 | 0 | 1 | 4 | 0 | 5 | 1 | 0 | 1 | 2 | 0 | 1 | 0 | 5 | 0 | 9 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 3 | 1 | 5 |
| 0 | 1 | 0 | 2 | 1 | 2 | 0 | 1 | 4 | 4 | 0 | 0 | 2 | 1 | 0 | 2 | 2 | 3 | 1 | 6 | 1 | 0 | 3 | 1 | 0 | 0 | 2 | 1 | 3 | 5 |
| 3 | 1 | 4 | 3 | 1 | 3 | 2 | 10 | 4 | 5 | 3 | 0 | 3 | 4 | 1 | 3 | 3 | 13 | 1 | 8 | 1 | 1 | 5 | 3 | 1 | 1 | 6 | 7 | 6 | 5 |
| 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 6 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 3 | 5 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 8 | 2 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 7 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 7 | 1 |
| 0 | 1 | 2 | 1 | 0 | 1 | 1 | 1 | 4 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 7 | 3 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 7 | 3 |
| 1 | 1 | 5 | 1 | 0 | 1 | 1 | 4 | 17 | 2 | 2 | 0 | 3 | 2 | 0 | 0 | 5 | 5 | 14 | 4 | 0 | 0 | 2 | 2 | 2 | 1 | 2 | 0 | 22 | 2 |
| 1 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 2 | 8 | 0 | 0 | 1 | 2 | 3 | 0 | 3 | 0 | 1 | 8 | 0 | 1 | 2 | 4 | 1 | 0 | 0 | 0 | 2 | 4 |
| 1 | 1 | 0 | 0 | 4 | 1 | 1 | 0 | 2 | 5 | 2 | 0 | 2 | 3 | 1 | 0 | 0 | 0 | 2 | 7 | 2 | 0 | 5 | 1 | 0 | 0 | 0 | 0 | 2 | 5 |
| 0 | 0 | 1 | 0 | 6 | 1 | 1 | 0 | 2 | 6 | 1 | 0 | 1 | 1 | 2 | 1 | 3 | 0 | 2 | 6 | 0 | 0 | 3 | 1 | 3 | 1 | 2 | 0 | 1 | 3 |
| 2 | 1 | 1 | 1 | 12 | 6 | 2 | 0 | 6 | 6 | 3 | 0 | 4 | 6 | 6 | 1 | 6 | 0 | 5 | 7 | 2 | 1 | 10 | 6 | 4 | 1 | 2 | 0 | 5 | 4 |
| 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 1 | 5 | 2 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 4 |
| 0 | 2 | 3 | 0 | 0 | 1 | 4 | 0 | 0 | 3 | 0 | 1 | 4 | 0 | 0 | 0 | 4 | 1 | 0 | 4 | 0 | 0 | 3 | 1 | 0 | 0 | 6 | 0 | 0 | 4 |
| 0 | 0 | 3 | 3 | 0 | 2 | 3 | 0 | 0 | 5 | 2 | 0 | 2 | 2 | 1 | 0 | 4 | 0 | 0 | 6 | 0 | 1 | 1 | 1 | 1 | 0 | 3 | 3 | 1 | 4 |
| 0 | 2 | 3 | 3 | 0 | 3 | 15 | 0 | 0 | 4 | 2 | 1 | 7 | 2 | 2 | 1 | 13 | 3 | 0 | 5 | 0 | 1 | 6 | 2 | 1 | 0 | 17 | 3 | 1 | 4 |
| 1 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 4 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 6 | 1 | 1 | 6 | 1 | 0 | 0 | 1 | 0 | 1 | 3 | 1 | 3 | 6 |
| 0 | 0 | 1 | 1 | 0 | 0 | 3 | 0 | 5 | 4 | 5 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 6 | 1 | 1 | 2 | 0 | 1 | 0 | 4 | 0 | 4 | 5 |
| 1 | 0 | 4 | 0 | 1 | 1 | 1 | 0 | 3 | 4 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 0 | 4 | 4 | 1 | 1 | 1 | 0 | 1 | 0 | 3 | 0 | 1 | 5 |
| 2 | 0 | 5 | 2 | 1 | 1 | 8 | 0 | 12 | 4 | 7 | 1 | 5 | 1 | 2 | 1 | 8 | 1 | 5 | 5 | 3 | 2 | 3 | 1 | 2 | 1 | 10 | 1 | 8 | 5 |
| 0 | 0 | 0 | 1 | 0 | 0 | 5 | 4 | 0 | 7 | 3 | 0 | 0 | 1 | 0 | 0 | 2 | 4 | 0 | 7 | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 3 | 5 |
| 0 | 0 | 2 | 3 | 0 | 0 | 4 | 1 | 0 | 8 | 2 | 0 | 4 | 1 | 0 | 0 | 1 | 2 | 0 | 6 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | 3 | 0 | 6 |
| 0 | 1 | 1 | 3 | 0 | 1 | 3 | 2 | 0 | 6 | 3 | 0 | 4 | 1 | 0 | 0 | 2 | 1 | 0 | 7 | 2 | 1 | 0 | 1 | 1 | 0 | 1 | 3 | 2 | 5 |
| 0 | 1 | 3 | 7 | 0 | 1 | 12 | 7 | 0 | 7 | 3 | 0 | 3 | 3 | 0 | 0 | 5 | 7 | 0 | 7 | 5 | 2 | 2 | 3 | 2 | 0 | 4 | 8 | 5 | 6 |
| 3 | 0 | 1 | 0 | 1 | 0 | 1 | 4 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 7 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 0 | 6 |
| 2 | 0 | 2 | 0 | 1 | 1 | 1 | 2 | 1 | 5 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 4 | 0 | 7 | 4 | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 4 |
| 3 | 0 | 2 | 1 | 1 | 2 | 1 | 1 | 0 | 5 | 5 | 0 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 7 | 2 | 0 | 0 | 2 | 2 | 0 | 1 | 3 | 1 | 4 |
| 3 | 0 | 5 | 1 | 2 | 3 | 3 | 7 | 1 | 5 | 9 | 0 | 3 | 5 | 2 | 0 | 2 | 10 | 0 | 7 | 9 | 1 | 1 | 5 | 2 | 0 | 1 | 11 | 1 | 5 |

**MONTH DECEMBER 1954**

## SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND — ملخص تحليل الخط البياني للريح السطحي

| المحطة STATION | الارتفاع Height ha (متر Meters) | الارتفاع Height Ha (متر Meters) | DISTRIBUTION OF WIND توزيع الريح: اكثر من ٣٥ عقدة > 35 Kts. تاريخ Date | استدامة Duration (ساعات hrs.) | ٢١ الى ٣٥ عقدة 21–35 Kts. عدد الايام No. of days | DURATION استدامة: ١١–٢٠ عقدة 11–20 Kts. (ساعات hrs.) | ٤–١٠ عقدة 4–10 Kts. (ساعات hrs.) | أقل من ٤ عقد < 4 Kts. (ساعات hrs.) | لاقيد No. Record (ساعات hrs.) | EXTREME VELOCITIES السرعة القصوى للريح: أقصى سرعة للريح خلال ساعة Highest Hourly Wind: الاتجاه Veer. From N (درجات deg.) | السرعة Speed. (عقدة Knots) | الساعة المنتهي بها Hour end at (ي d. س h.) | أعلى عصفة Highest Gust: السرعة Speed. (عقدة Knots.) | الوقت Time (ي d. س h. د s.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BAGHDAD ... ... | 17.7 | 51.8 | ... | 0 | ... | 0 | 63 | 520 | 161 | 0 | 150 | 22 | 27 1900 | 42 | 27 19 31 |

## ADDITIONAL DATA — مدلولات اضافية

| المحطة STATION | اشعاع الشمس بالساعات Sun Shine (hours) | درجة حرارة الارض Temperature of Earth: على الارض On ground | ١ قدم 1 Ft. | ٤ قدم 4 Ft. | درجة حرارة النهر في الساعة ٦ كرينتش River Temp. at 0600 gmt. | عدد الايام Number of Days: الصقيع الارضي Ground from. | النهاية الصغرى أقل من ٢ Min < 2 | النهاية العظمى أكثر من ٢١ Max < 21 | عدد مرات كون الغيم اكثر من ٤/٨ واوطأ من ٣٠٠ متر Occasions of Cloud More than 4/8 and Lower than 300 Meters. | قراءة درجة الحرارة (درجات مئوية) والرطوبة النسبية 3 Hourly Values of Temp. °C and Relative Himidity %: الوقت كرينتش Time G.M.T. | 00 | 03 | 06 | 09 | 12 | 15 | 18 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOSUL ... | 147.7 | 1.5 | 10.8 | 18.1 | ... | 9 | 11 | 0 | 2 | الحرارة Temperature | 5.5 | 5.1 | 7.3 | 13.4 | 15.7 | 11.1 | 8.0 | 6.4 |
| | | | | | | | | | | الرطوبة Humidity | 97 | 97 | 94 | 75 | 67 | 84 | 93 | 95 |
| KIRKUK ... | ... | ... | 12.8 | 18.6 | ... | 0 | 0 | 0 | 0 | الحرارة Temperature | 8.6 | 8.4 | 10.6 | 14.7 | 15.6 | 12.2 | 10.4 | 9.3 |
| | | | | | | | | | | الرطوبة Humidity | 84 | 86 | 77 | 66 | 60 | 77 | 82 | 84 |
| KHANAQIN ... | ... | ... | ... | ... | ... | 0 | 0 | 0 | 0 | الحرارة Temperature | ... | 8.9 | 11.1 | ... | 17.3 | 13.9 | 11.7 | ... |
| | | | | | | | | | | الرطوبة Humidity | ... | 85 | 78 | ... | 57 | 73 | 81 | ... |
| BAGHDAD ... | 141.0 | 5.6 | 14.4 | 21.0 | ... | 0 | 0 | 0 | 6 | الحرارة Temperature | 9.7 | 9.0 | 10.2 | 15.3 | 16.3 | 13.7 | 11.7 | 10.4 |
| | | | | | | | | | | الرطوبة Humidity | 93 | 94 | 90 | 75 | 68 | 80 | 88 | 84 |
| HABBANIYA ... | 141.4 | ... | 16.3 | 22.1 | ... | 0 | 0 | 1 | 4 | الحرارة Temperature | 9.3 | 8.9 | 10.2 | 14.6 | 16.1 | 13.5 | 11.4 | 10.4 |
| | | | | | | | | | | الرطوبة Humidity | 97 | 97 | 93 | 79 | 74 | 87 | 92 | 94 |
| RUTBAH ... | ... | ... | ... | ... | ... | 0 | 1 | 0 | 1 | الحرارة Temperature | 7.1 | 6.0 | 7.8 | 12.7 | 14.1 | 11.4 | 9.1 | 7.7 |
| | | | | | | | | | | الرطوبة Humidity | 93 | 91 | 88 | 69 | 61 | 79 | 88 | 91 |
| KUT-AL-HAI ... | ... | ... | ... | ... | ... | 0 | 0 | 2 | 0 | الحرارة Temperatus | 10.8 | 9.9 | 11.4 | 15.8 | 17.4 | 14.6 | 12.6 | 11.4 |
| | | | | | | | | | | الرطوبة Humidity | 91 | 94 | 90 | 75 | 66 | 79 | 86 | 88 |
| DIWANIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 2 | 3 | الحرارة Temperature | 9.6 | 9.2 | 11.4 | 15.6 | 16.7 | 13.9 | 11.7 | 10.6 |
| | | | | | | | | | | الرطوبة Humidity | 95 | 96 | 94 | 82 | 75 | 86 | 91 | 94 |
| NASIRIYA ... | ... | ... | ... | ... | ... | 0 | 0 | 8 | 0 | الحرارة Temperature | 11.3 | 10.4 | 12.1 | 15.9 | 17.2 | 14.8 | 13.1 | 12.0 |
| | | | | | | | | | | الرطوبة Humidity | 93 | 94 | 90 | 79 | 73 | 85 | 89 | 91 |
| BASRA ... | 145.7 | 7.6 | ... | ... | 13.1 | 0 | 0 | 6 | 6 | الحرارة Temperature | 12.6 | 12.2 | 13.8 | 16.7 | 17.8 | 16.4 | 14.0 | 13.1 |
| | | | | | | | | | | الرطوبة Humidity | 96 | 95 | 92 | 80 | 77 | 88 | 93 | 95 |

## ADDITIONAL RAINFALL DATA FOR SELECTED STATIONS. — معدلات هطول الامطار لمحطات منتخبة

| المحطة STATION | خط العرض شمالا Lat. (N) Deg. | Min. | خط الطول شرقاً Long. (E) Deg. | Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) Deg. | Min. | خط الطول شرقاً Long. (E) Deg. | Min. | هطول المطر بالمليمترات Rainfall (mms.) | المحطة STATION | خط العرض شمالا Lat. (N) Deg. | Min. | خط الطول شرقاً Long. (E) Deg. | Min. | هطول المطر بالمليمترات Rainfall (mms.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Zakgo ... | 37 | 08 | 42 | 41 | 127.7 | Sulaimanya ... | 35 | 33 | 45 | 25 | 162.5 | Hilla ... | 32 | 29 | 44 | 26 | 47.2 |
| Amadia ... | 37 | 05 | 43 | 30 | 135 3 | Chamchamal ... | 35 | 32 | 44 | 51 | .... | Hit ... | 33 | 4 | 42 | 55 | 22 5 |
| Aqra ... | 36 | 45 | 43 | 53 | 61.7 | Penjwin ... | 35 | 37 | 45 | 58 | 214.9 | Hindiya ... | 32 | 42 | 44 | 17 | 91.9 |
| Duhok ... | 36 | 52 | 43 | 02 | 100.4 | Halabja ... | 35 | 11 | 45 | 59 | 119.3 | Karbal ... | 32 | 37 | 44 | 01 | 55.9 |
| Sanat ... | 36 | 47 | 42 | 48 | 141.9 | Chwarta ... | 35 | 44 | 45 | 33 | ... | Anah ... | 32 | 28 | 41 | 57 | 0.0 |
| Sarsank ... | 36 | 58 | 43 | 32 | 235.1 | Bakrajo ... | 35 | 34 | 45 | 23 | 158.6 | Samawa ... | 31 | 20 | 45 | 15 | 61.7 |
| Sijar ... | 36 | 19 | 41 | 50 | 72.0 | Iftikhar ... | 35 | 03 | 44 | 27 | 68.3 | Kut ... | 32 | 30 | 45 | 45 | 41.1 |
| Telafar ... | 36 | 22 | 42 | 28 | 55.0 | Al-Mansur ... | 34 | 05 | 44 | 58 | 40.0 | Qala't Sukar ... | 31 | 52 | 46 | 05 | .... |
| Arbil ... | 36 | 11 | 44 | 00 | 32.1 | Tuz ... | 34 | 50 | 44 | 30 | 113.8 | A'mara ... | 31 | 51 | 47 | 10 | 93.4 |
| Rawanduz ... | 36 | 37 | 44 | 33 | 29.0 | Jalawla .... | 34 | 16 | 45 | 09 | 64.3 | Bada'a .... | 31 | 05 | 45 | 55 | 76.0 |
| Shaqlawa .... | 36 | 23 | 44 | 20 | 74.6 | Mandily ... | 33 | 45 | 45 | 33 | 30.0 | Ur ... | 30 | 58 | 46 | 05 | 69.6 |
| Rayat ... | 36 | 41 | 44 | 57 | 125.8 | Samarra ... | 34 | 11 | 43 | 50 | ... | Fao ... | 29 | 59 | 48 | 30 | 56 9 |

## NOTES ON TABLES

***Mean Air Pressure:***— Is expressed in the millibars, the initial 6 or 10 being omitted. One millibar = 1000 dynes per sq. cm. All mean pressures are reduced to mean sea level.

***Temperature*** : The measurements of temperature are made in Stevenson (louvred) screens in the open. The height of the thermometer bulbs is approximately 1.3 metres above ground level.

***Humidity*** : The values given depend on the readings of the dry and wet pulb thermometers in Stevenson screens.

***Rainfall*** : The daily amount is for the 24 hours from 0600 GMT on the day of entry to 0300 GMT on the next day. A day is reckoned as a day of rain if the total fall is 0.2 mms. or more.

***Weather*** : Days of fog or dust are thus on which the range of vision is less than 1000 metres at any time of the day.

Clear days are those on which the average cloud amount at all abservation hours is 0 or 1 OKTA. Cloudy days those on which the average cloud amount is 7 or 8 OKTAS.

***Wind*** : Days of wind force ≥ 6 ≥ 8 are those on which the wind equals or exceeds those values at observation hours only where force 6 epuals 22 to 27 Knots. and force 8 equals 34 to 40 Knots. VK. is the mean wind speed in Knots.

***Explanation of symbols*** :

Q = Latitude.

λ = Longitude.

Ha = Height of anemometer above M.S.L.

Hs = Height of station above M.S.L.

Hb = Height of barometer cistern above M.S.L.

ha = Height of anemometer above ground.

G.M.T. = Local time-3 hours.

**Data from Habbaniya and Shaiba are supplied by the Meteorological office A.H.Q. Habbaniya and are published by kind permission of the Director, Meteorological office, Air Ministry London.**

## ملاحظـــــات على الجـــــدول

معدل الضغط الجوي :- يقدر بالمليبارات مع حذف ٩ أو ١٠ من اليسار والمليبار الواحد يساوي ألف داين على السنتيمتر المربع = ضغط ٠٫٢٩٥٣١ عقدة من الزئبق بدرجة صفر مئوي ودرجة عرض ٤٥ . لقد حسبت معدلات الضغط الى مستوى سطح البحر في جميع المحطات .

درجات الحرارة :- تقاس درجات الحرارة في صندوق ستيفنسن (ذي فتحات) في الهواء الطلق . ان ارتفاع بصلات المحارير ١٫٣ م فوق سطح الارض تقريبا .

الرطوبة النسبية :- يتوقف العدد الدال على الرطوبة على قراءة المحرارين الجاف والرطب في الصندوق الآنف الذكر .

هطول المطر :- ان المقدار اليومي هو لاربعة وعشرين ساعة اعتبارا من الساعة ٠٦٠٠ وقت كرينتش يوم الرصد الى الساعة ٠٦٠٠ في اليوم الثاني ويعتبر اليوم ممطرا اذا كان مجموع هطول المطر ٠٫٢ مليمترا أو أكثر .

الطقس :- يعتبر اليوم يوم ضباب أو غبار اذا كان مدى الرؤية أقل من ١٠٠٠ متر في أي وقت من اليوم .

أيام الصحو هي التي يكون فيها مجموع الغيم في جميع الرصدات صفر أو ٨/٠١ والايام المغيمة هي التي فيها مجموع الغيم في جميع الرصدات ٨ / ٧ أو ٨ / ٠٨

الريح :- ويعتبر اليوم بقوة ريح ≥ ٦ ≤ ٨ اذا كان الريح مساويا الى هذين المقياسين أو أكثر في ساعات الرصد فقط فقط . وتكون قوة ٦ مساوية الى ٢٢-٢٧ عقدة وقوة ٨ مساوية الى ٣٤-٤٠ عقدة .

توضيح الاشارات :-

Q = خط العرض

X = خط الطول

Ha = ارتفاع الرياح ( الانيمومتر ) عن سطح البحر

ha = ارتفاع الرياح (الانيمومتر ) عن سطح الارض

Hs. = ارتفاع المحطة عن سطح البحر

Hb. = ارتفاع مستوى مقياس الضغط الجوي ( البارومتر عن سطح البحر )

VK = معدل سرعة الريح مقدرة بالعقد

ي = اليوم

س = الساعة

د = الدقيقة

م = متر

م° = درجة مئوي

وقت كرينيج = وقت بغداد المحلي - ٣ ساعات

ان معدلات الحبانية والشعيبة مزودة من قبل دائرة الانواء في مقر القوة الجوية البريطانية في الحبانية وتنشر باذن خاص من مدير دائرة الانواء في وزارة الطيران - لنـــــدن .



طبعت هذه النشرة الاحصائية لجميع الشهور سنة ١٩٥٤ في مطبعة الزهراء - بغداد