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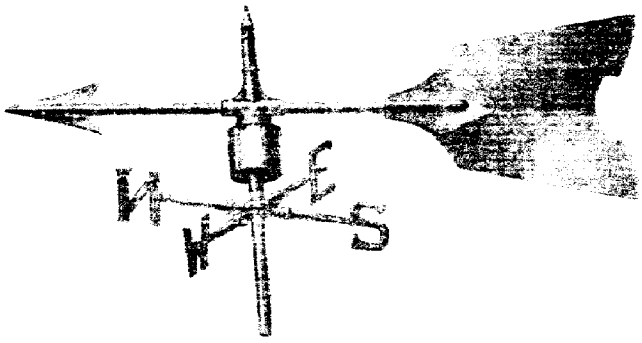

GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
IRAQ. METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER
REPORT
FOR IRAQ
BAGHDAD.

JUN 26 1957

102 338

National Oceanic and Atmospheric Administration

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C O N T E N T S

TABLE		PAGE
–	MAP SHOWING ALL METEOROLOGICAL STATIONS	
1	MEAN DAILY TEMPERATURE.	1
2	MONTHLY MEAN GRASS MIN. TEMPERATURES, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM , MINIMUM AND EXTREME TEMPERATURES	2–3
4	MONTHLY MEAN DRY BULB TEMPERATURES	4
5	MONTHLY MEAN WET BULB TEMPERATURES	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY	4
8	MONTHLY MEAN VAPOUR PRESSURE	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD .	5
12	SURFACE WIND.	6–8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS.	10–13
16	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE .	14–15
17	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE.	16–17

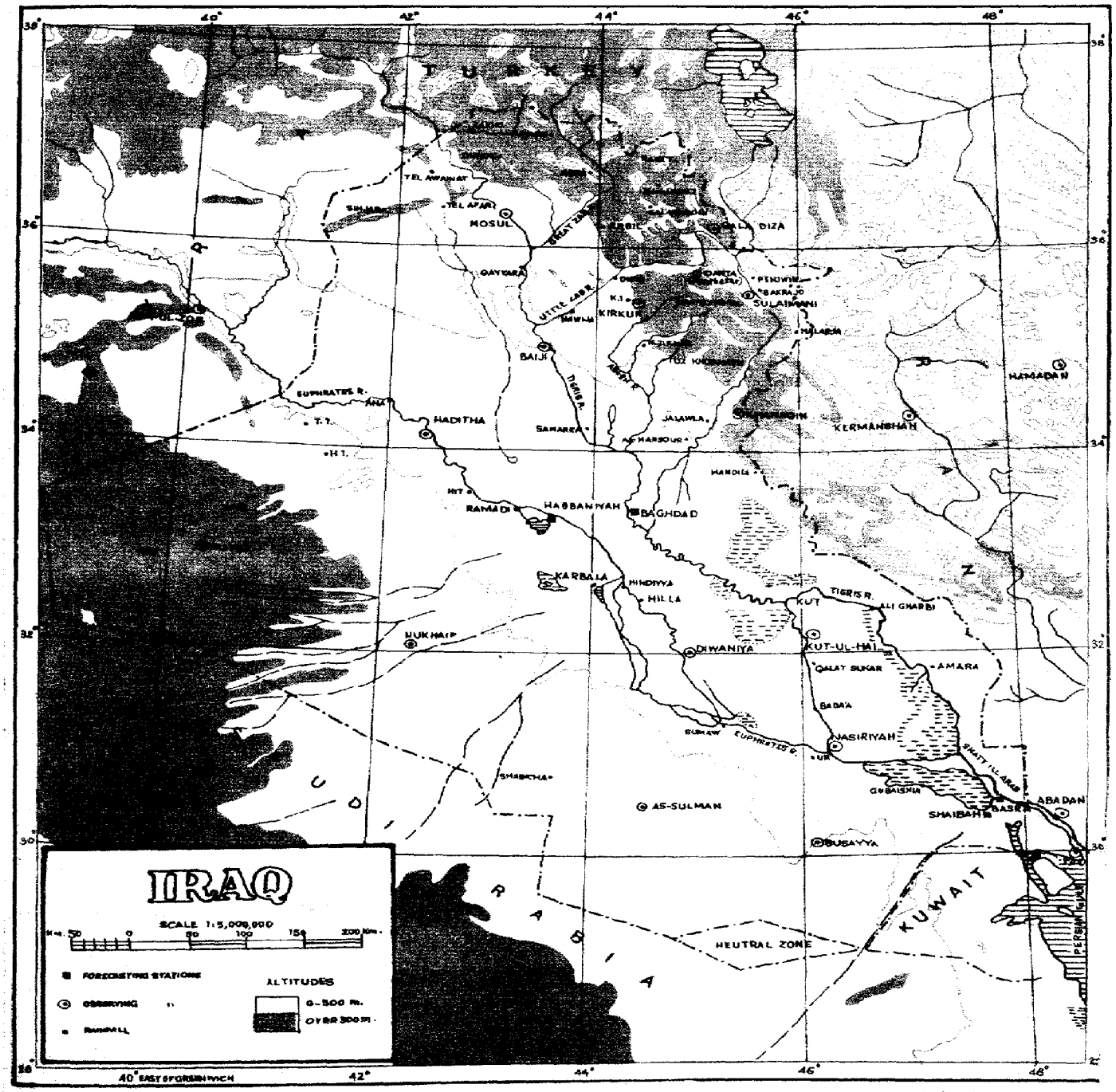
PREPARED AND PUBLISHED
BY THE IRAQ METEOROLOGICAL DEPARTMENT
CLIMATOLOGICAL SECTION

STATION INDEX

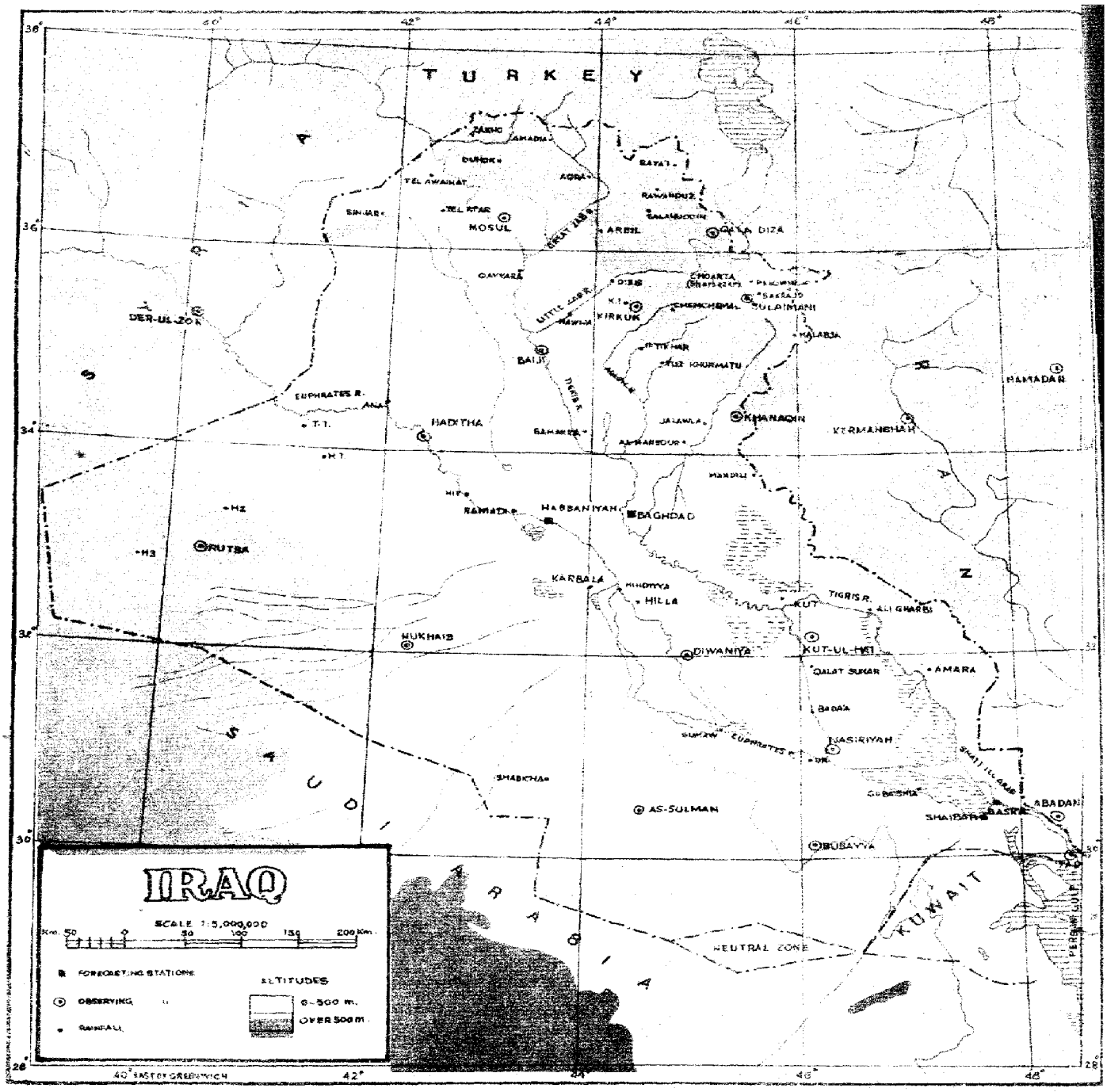
STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBA	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Height of Station above M.S.L. (IN METERS)
2. Hb. means Height of barometer cistern above M.S.L. (IN METERS)
3. Ha. means Height of anemometer above the ground. (IN METERS)

STATION	LATITUDE	LONGITUDE	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
LORA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	180 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHUARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	–
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	–
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KIFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
QALAR KARAM	35 11 N.	44 53 E.	400 m.
MAKHMUR	35 46 N.	43 34 E.	450 m.
ALI SIFNI	36 42 N.	43 21 E.	550 m.
KAI SANJAC	36 05 N.	44 38 E.	600 m.
TAQ TAQ	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
TUZ	34 53 N.	44 39 E.	220 m.
ANA	34 28 N.	41 27 E.	–
DIALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
HANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	–
SAMAWA	31 18 N.	45 16 E.	6 m.
BADRA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.



SURVEY PRESS, BAGHDAD



SURVEY PRESS BAGHDAD.

TABLE 1 JANUARY 1957

MEAN DAILY TEMPERATURE

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBA	HAI	DIWANIYA	NASIRIYA	BASRAH
1	9.9	6.1	10.0	6.9	10.3	9.5	10.7	11.9
2	8.4	4.7	7.0	6.6	10.3	10.1	10.9	12.3
3	7.8	4.0	6.2	6.8	11.2	11.0	11.8	11.6
4	12.0	5.3	7.4	9.0	10.3	11.0	11.0	11.8
5	10.5	6.8	7.9	9.3	11.9	12.9	13.9	15.0
6	7.6	4.0	6.3	4.4	10.9	10.2	11.4	12.6
7	4.2	1.7	1.8	3.1	6.2	5.3	7.6	11.7
8	3.7	1.1	2.9	1.0	4.1	3.7	3.4	5.2
9	4.7	1.1	3.3	2.9	4.7	4.0	4.8	5.3
10	3.7	2.1	4.3	3.5	4.7	3.0	5.1	7.8
11	2.8	3.8	4.7	5.0	5.5	5.0	6.1	7.7
12	4.7	3.8	4.5	6.1	6.1	5.6	6.7	8.4
13	6.7	3.9	5.4	9.2	7.1	7.9	7.3	8.3
14	8.3	7.7	7.8	8.8	8.5	8.5	8.8	9.0
15	7.8	7.9	8.1	8.6	8.8	8.6	9.2	9.2
16	9.1	7.2	7.7	6.4	10.2	8.9	9.3	10.8
17	8.6	5.8	8.2	6.4	9.9	10.6	10.8	12.0
18	10.8	8.1	9.0	8.1	11.0	12.2	12.7	12.0
19	10.1	7.2	7.1	5.6	11.3	11.7	12.8	13.6
20	5.9	6.1	6.6	2.6	6.9	6.9	8.4	9.7
21	6.3	4.2	4.4	1.7	6.7	5.6	6.7	8.6
22	5.9	3.4	5.4	1.0	6.8	4.9	6.5	8.0
23	6.2	3.6	7.7	3.1	6.4	5.1	5.5	6.6
24	8.0	4.5	8.0	6.1	7.8	6.6	6.8	7.7
25	9.1	4.7	7.9	8.0	9.1	8.9	8.8	9.0
26	11.5	5.6	9.4	8.3	10.7	10.1	9.7	10.6
27	12.3	6.5	9.8	8.3	11.3	12.5	12.5	12.2
28	12.5	4.7	9.1	7.1	11.5	11.5	12.2	13.0
29	10.3	5.4	9.1	5.9	11.3	12.6	14.5	14.9
30	13.2	9.5	9.7	8.1	14.7	13.6	15.6	16.0
31	11.7	7.6	8.7	7.4	12.3	11.7	12.8	14.3
MEANS	8.2	5.1	6.9	6.1	9.0	8.7	9.5	10.6

NOTE: TEMPERATURES ARE IN CENTIGRADE.

TABLE 2

MONTHLY MEAN TEMPERATURES

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	11.2	16.6	193.1
MOSUL	-2.2	7.8	13.8	146.9
KIRKUK	1.1	9.7	13.8	.....
HAI	2.6	....	....	.....
BASRAH	....	....	....	219.3
HABBANIYA	-1.2	13.1	18.5	201.6

TABLE 3 JANUARY 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	16.9	3.8	9.4	2.8	14.2	5.9	12.5	7.1	17.2	7.2
2	12.9	3.9	13.1	0.2	12.0	3.2	17.8	7.4	12.8	6.6
3	15.6	-0.3	12.7	-1.6	11.4	2.6	18.4	5.0	13.9	1.1
4	18.0	3.2	8.5	-0.6	10.8	1.9	18.2	5.6	17.2	5.5
5	15.3	9.2	8.4	5.4	9.0	3.8	20.2	0.6	13.3	9.4
6	15.3	2.8	9.4	5.6	8.4	6.4	15.8	10.0	12.8	3.9
7	8.9	2.0	6.3	-2.6	6.2	-0.5	17.7	9.4	8.9	3.3
8	8.4	-2.3	7.8	-3.4	9.7	-2.0	8.0	0.3	8.3	-2.2
9	10.2	2.3	7.4	-4.1	8.0	-0.4	6.8	3.8	10.0	2.2
10	11.3	-2.4	10.6	-5.6	10.6	-0.7	12.7	5.3	10.0	-2.8
11	8.0	-2.8	10.3	-0.7	9.1	1.3	10.5	4.4	7.2	-3.3
12	13.4	-2.6	11.5	-1.1	9.6	1.4	13.0	4.0	11.6	-2.2
13	15.4	-1.2	7.6	-1.0	10.6	1.4	14.5	1.0	15.5	-2.8
14	17.6	2.3	14.4	3.0	13.8	2.4	15.8	3.0	17.2	0.0
15	16.3	-1.0	15.6	3.3	14.2	3.2	15.8	2.5	15.5	-0.6
16	19.7	2.2	14.0	2.2	14.0	3.4	17.2	5.4	15.5	0.5
17	17.7	1.4	14.5	0.2	13.4	2.2	19.0	4.7	16.1	1.6
18	17.4	3.6	13.1	1.8	13.6	5.1	18.9	8.1	18.3	2.8
19	15.6	6.9	10.3	5.6	8.9	6.5	20.2	8.9	15.0	6.6
20	13.8	-0.4	9.7	4.4	9.4	3.5	13.3	8.7	11.6	-1.1
21	12.4	1.6	7.7	2.6	7.5	2.4	15.5	3.6	11.6	3.3
22	13.0	-1.2	10.9	-0.8	9.8	2.4	14.1	2.0	11.6	1.1
23	15.8	-2.2	13.9	-3.4	13.4	2.4	12.7	0.8	13.9	-0.6
24	16.2	1.5	15.9	-2.6	14.4	2.2	14.5	1.0	15.5	0.5
25	18.8	0.4	15.5	-2.6	15.0	1.4	16.3	1.7	17.8	-1.7
26	21.6	3.4	16.8	-1.3	16.2	2.9	18.6	2.6	17.8	4.4
27	19.0	8.2	17.1	-0.6	15.9	6.6	19.6	6.8	17.8	5.5
28	18.6	7.2	16.9	-2.0	14.7	3.8	21.2	6.9	15.0	5.5
29	13.3	9.1	15.4	-2.2	15.4	3.1	22.4	9.7	13.3	6.6
30	19.4	8.8	13.6	6.0	11.4	6.9	21.5	11.2	17.8	5.0
31	17.9	7.3	10.3	6.4	13.1	5.6	18.7	12.1	15.5	6.1
MEANS	15.2	2.4	11.9	0.5	11.7	2.9	16.2	5.3	14.0	2.3
NORMAL	15.6	4.7	12.3	1.8	13.0	3.8	18.1	7.2	15.6	4.0

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	25.0	21st.	1948	-7.8	5th.	1942
MOSUL	21.0	22nd.	1953	-11.1	3rd.	1925
KIRKUK	21.1	22nd.	1948	-6.7	26th.	1947
BASRAH	27.2	3rd.	1944	-4.4	8th.	1942
HABBANIYA	26.1	28th.	1941	-8.9	5,6 &7th.	1942

TABLE 3-CONTINUED JANUARY 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBA		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	16.1	5.0	12.0	2.0	18.0	5.4	18.0	4.3	17.3	6.2
2	10.3	4.4	9.0	6.7	18.7	5.2	17.2	2.5	18.2	5.0
3	13.3	1.6	12.7	1.4	18.1	7.7	16.8	7.6	18.9	7.4
4	15.8	2.2	15.0	2.7	15.1	5.0	14.8	6.3	15.1	7.6
5	12.8	5.5	13.3	3.0	16.1	9.1	20.8	5.8	21.9	9.4
6	13.3	6.6	6.2	4.3	17.1	6.0	18.4	3.0	15.5	8.0
7	7.5	3.9	6.3	0.5	11.0	5.1	9.0	2.2	13.6	6.2
8	10.3	-0.6	7.0	-6.8	8.9	-1.6	8.0	-2.5	7.2	-1.8
9	8.9	[illegible]	8.7	-5.4	7.4	1.2	7.0	0.8	6.8	1.6
10	13.6	-0.3	9.8	-6.0	12.4	-0.4	11.6	-2.4	10.8	1.0
11	8.0	0.8	9.5	-1.2	9.0	-0.8	8.2	0.8	10.4	2.2
12	11.1	1.1	12.0	-1.4	12.8	1.2	12.4	-0.6	12.6	2.9
13	13.0	0.0	15.2	0.6	15.0	0.2	17.2	0.0	16.0	0.4
14	15.8	0.0	17.2	-0.5	16.5	0.1	16.4	-1.2	17.5	2.3
15	15.6	1.1	17.2	0.6	17.2	1.3	17.1	1.0	16.8	2.8
16	16.4	1.6	11.0	-2.0	17.8	1.1	17.6	1.2	17.8	3.4
17	15.6	2.8	14.7	-2.0	17.2	4.0	18.1	3.6	19.3	3.2
18	16.7	3.3	15.5	0.5	17.9	4.0	19.2	4.9	18.6	7.6
19	10.8	6.6	9.5	4.4	16.4	8.0	16.9	7.5	19.6	7.0
20	12.2	5.5	5.6	-1.5	13.2	5.4	12.5	5.2	14.2	6.9
21	8.9	4.4	5.7	-2.0	14.6	-0.4	14.1	-2.1	14.8	0.6
22	13.3	2.2	3.6	-2.5	13.8	0.5	13.0	-2.5	14.5	0.1
23	13.6	1.4	8.0	-4.5	14.3	-0.8	13.0	-2.0	13.9	0.3
24	15.0	3.3	13.5	-3.0	17.4	-0.7	15.9	-2.0	15.8	-1.8
25	15.8	0.2	15.4	-0.6	18.7	1.3	18.5	-0.8	19.0	1.4
26	18.9	2.2	16.2	-0.5	21.2	2.2	21.2	-0.5	20.3	1.2
27	18.5	5.5	13.5	3.2	17.8	6.6	19.2	7.0	18.8	8.0
28	16.4	3.9	12.1	3.0	17.8	4.8	18.9	6.6	19.4	5.6
29	16.7	5.5	8.4	5.0	15.5	6.6	19.8	8.5	21.7	9.4
30	17.5	7.8	12.6	3.2	22.6	10.2	19.4	9.2	21.4	11.6
31	16.3	9.4	10.7	2.5	18.6	7.1	17.9	8.2	19.3	8.4
MEANS	13.8	3.2	11.1	0.5	15.7	3.4	17.4	2.6	16.4	4.3
NORMAL	15.2	4.5	14.3	1.1	17.2	5.1	16.7	3.3	17.4	5.2

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	27.2	3rd. & 4th.	1944	-6.7	7th.	1942
RUTBA	25.0	28th.	1941	-14.4	6th.	1942
HAI	24.4	28th. 21st.	1941 1948	-6.7	5th. & 7th.	1942
DIWANIYA	25.5	28th. 21st.	1941 1948	-8.3	29th.	1950
NASIRIYA	26.6	28th.	1947	-7.2	8th.	1942

JANUARY 1957

TABLE 4

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	4.5	3.7	5.9	12.4	14.2	11.1	7.8	5.9	8.2
MOSUL	2.4	1.7	3.1	8.0	10.5	7.4	4.6	3.1	5.1
KIRKUK	4.7	4.1	6.6	10.0	10.8	8.0	6.1	5.2	6.5
KHANAQIN	...	4.2	6.5	....	13.1	9.9	7.0	...	8.1
RUTBA	2.5	0.7	2.9	8.3	10.2	8.5	5.3	3.4	5.2
HAI	5.3	4.5	7.3	13.7	14.8	11.2	8.4	6.8	9.0
DIWANIYA	4.2	3.4	7.2	13.0	14.8	10.9	7.7	...	8.7
NASIRIYA	6.1	5.1	7.9	13.6	15.1	11.5	8.9	7.5	9.5
BASRAH	7.6	6.8	9.1	14.4	15.7	12.3	9.9	8.6	10.6
HABBANIYA	4.5	3.6	5.4	11.3	13.4	10.2	6.9	5.6	7.6

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	2.9	2.2	4.1	7.7	8.5	7.0	5.2	4.0	5.2
MOSUL	1.8	1.3	2.5	5.6	6.8	5.3	3.6	2.5	3.7
KIRKUK	2.9	2.5	4.1	6.2	6.4	5.4	4.1	3.4	4.4
KHANAQIN	...	3.1	4.9	...	8.3	7.1	5.4	...	5.8
RUTBA	0.8	0.1	1.5	4.7	5.7	4.7	2.7	1.7	2.7
HAI	3.9	3.3	5.3	9.0	9.2	7.5	5.9	4.8	6.1
DIWANIYA	2.0	2.2	5.0	8.3	8.6	6.9	5.0	...	5.4
NASIRIYA	4.8	3.9	5.9	9.1	9.5	8.1	6.5	5.5	6.7
BASRAH	7.1	6.3	8.0	11.2	11.7	10.3	8.9	7.9	8.9
HABBANIYA	3.3	2.7	4.0	7.9	9.0	7.4	5.1	4.1	5.4

TABLE 6

MONTHLY MEAN PRESSURE (IN MILIBARS AT M.S.L.) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	18.4	18.2	19.4	19.0	17.3	17.6	18.3	18.5	1018.2
MOSUL	19.8	19.5	20.4	19.5	17.7	18.3	19.3	19.7	1019.3
KIRKUK	18.4	18.2	18.9	17.9	16.7	17.5	18.4	18.5	1018.0
KHANAQIN	....	18.7	18.8	....	16.5	17.5	18.5	....	1018.0
RUTBA	18.3	18.0	19.0	18.3	16.6	17.2	18.4	18.0	1018.0
HAI	17.9	18.1	19.2	18.3	17.0	17.5	18.2	18.1	1018.0
DIWANIYA	17.7	17.9	19.2	18.2	17.2	17.2	15.7	....	1017.6
NASIRIYA	17.8	18.1	19.3	18.4	16.9	17.4	18.2	18.0	1018.0
BASRAH	18.2	18.2	19.6	18.6	17.2	17.6	18.5	18.4	1018.3
HABBANIYA	18.6	18.2	19.5	18.8	17.2	17.5	18.3	18.3	1018.3

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	79	81	75	55	47	56	68	77	67
MOSUL	91	93	89	71	60	74	85	89	81
KIRKUK	75	77	66	57	53	69	73	75	68
KHANAQIN	..	82	76	..	49	70	77	..	71
RUTBA	80	85	79	64	51	55	67	75	70
HAI	82	83	76	55	49	60	70	74	69
DIWANIYA	77	80	70	53	42	55	67	..	63
NASIRIYA	83	84	75	57	49	64	71	76	70
BASRAH	92	93	86	67	61	77	88	90	82
HABBANIYA	82	85	81	60	54	66	76	77	73

TABLE 8 JANUARY 1957

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	6.7	6.4	7.0	7.7	7.4	7.3	7.3	7.1	7.1
MOSUL	6.7	6.5	6.9	7.6	7.1	7.6	7.3	6.9	7.1
KIRKUK	6.5	6.4	6.5	7.0	6.7	7.3	6.9	6.7	6.8
KHANAQIN	...	6.9	7.4	...	7.2	8.3	7.8	...	7.5
RUTBAH	5.8	5.7	6.2	6.4	6.3	6.3	6.0	6.0	6.0
HAI	7.4	7.2	7.9	8.5	8.1	8.1	7.7	7.5	7.8
DIWANIYA	6.4	8.3	7.4	7.8	7.1	7.5	7.1	...	7.4
NASIRIYA	8.0	7.5	8.2	8.8	8.3	8.7	8.3	8.0	8.2
BASRAH	9.7	9.4	10.0	11.0	10.7	11.1	10.8	10.2	10.4
HABBANIYA	7.0	6.9	7.3	8.0	8.2	8.2	7.6	7.1	7.5

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	1.0	0.4	1.6	2.5	2.2	2.2	2.2	1.8	1.5
MOSUL	1.0	0.6	1.5	2.8	2.4	2.9	2.3	1.6	1.9
KIRKUK	0.5	0.4	0.5	1.4	1.0	2.2	1.3	1.0	1.0
RUTBAH	-1.1	-0.1	0.3	-0.1	0.3	-0.2	-1.0	-0.6	-0.1
HAI	2.4	1.9	3.2	4.3	3.5	3.5	2.8	2.5	3.0
DIWANIYA	0.4	0.2	2.3	3.0	1.6	2.4	1.7	...	1.7
NASIRIYA	3.3	2.3	3.6	4.7	3.7	4.4	3.7	3.4	3.6
BASRAH	6.4	5.7	6.7	8.0	7.6	8.1	7.8	7.1	7.2

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.8	1.0	1.1	1.2	1.7	1.1	0.7	0.5	1.0
MOSUL	3.0	3.2	3.1	3.1	3.8	3.3	2.6	2.5	3.1
KIRKUK	2.5	2.7	2.2	2.5	3.2	2.7	2.2	2.4	2,6
KHANAQIN	...	4.0	3.0	...	4.0	4.0	2.0	...	3.4
RUTBA	1.8	2.4	2.4	2.2	2.7	2.7	1.9	1.8	2.2
HAI	1.2	1.6	1.9	1.0	2.1	1.2	1.0	1.1	1.4
DIWANIYA	1.0	1.7	1.1	1.3	1.2	1.2	1.2	...	1.2
NASIRIYA	0.6	1.2	1.4	1.1	1.7	1.8	1.6	1.0	1.3
BASRAH	0.8	0.8	1.3	1.1	1.3	0.7	0.5	0.8	0.9
HABBANIYA	1.4	1.0	1.0	0.9	1.8	1.3	0.4	0.6	1.2

TABLE 11

MONTHLY MEAN TOTAL CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	3.0	3.3	4.0	4.0	4.2	3.7	3.1	2.8	3.5
MOSUL	3.9	4.3	4.5	4.8	5.2	4.7	3.3	3.6	4.5
KIRKUK	3.6	4.1	4.2	4.0	4.6	4.2	3.5	3.3	3.9
KHANAQIN	...	4.4	4.1	...	5.2	4.4	3.5	...	4.3
RUTBAH	2.6	3.6	3.7	3.7	4.4	4.6	3.7	2.7	3.6
HAI	2.4	3.3	4.2	4.0	4.4	3.4	2.6	2.6	3.4
DIWANIYA	1.7	3.1	3.2	3.4	3.5	3.2	2.5	...	2.9
NASIRIYA	1.5	3.2	3.7	3.3	3.6	3.5	2.9	2.4	3.0
BASRAH	3.0	3.2	4.3	3.9	3.6	3.6	2.6	2.6	3.4
HABBANIYA	3.6	3.4	3.6	3.3	3.9	3.9	3.0	3.6	3.5

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

BAGHDAD

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	5	0	4	4	1	1	2	10	4	25	2	0	0	5
0300	4	1	6	4	3	0	4	9	0	29	1	1	0	6
0600	2	1	1	7	4	1	9	5	1	29	1	0	0	5
0900	2	0	1	5	2	4	7	10	0	24	6	1	0	8
1200	1	1	1	1	5	1	8	13	0	25	6	0	0	8
1500	4	1	3	2	1	2	5	13	0	30	1	0	0	5
1800	2	3	1	7	1	2	2	10	3	28	0	0	0	4
2100	1	0	2	6	3	1	5	9	4	23	4	0	0	5
TOTAL	21	7	19	36	20	12	42	79	12	213	21	2	0	6

MOSUL

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	4	2	6	0	3	0	1	4	11	18	1	1	0	4
0300	1	6	4	1	2	0	2	2	13	15	2	1	0	4
0600	9	5	3	2	2	1	3	4	2	26	3	0	0	5
0900	4	5	6	3	3	2	3	5	0	23	8	0	0	7
1200	3	3	10	6	6	0	3	0	0	25	6	0	0	8
1500	1	3	4	2	5	1	3	3	9	20	2	0	0	4
1800	8	2	3	3	0	0	3	0	12	16	3	0	0	4
2100	3	6	1	1	3	1	3	2	11	15	5	0	0	4
TOTAL	33	32	37	18	24	5	21	20	58	158	30	2	0	5

KIRKUK

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	13	7	4	1	1	1	0	2	26	2	1	0	6
0300	2	15	7	4	1	1	0	0	1	28	2	0	0	5
0600	2	6	11	7	2	2	0	0	1	29	1	0	0	5
0900	1	2	2	9	8	4	0	4	1	23	7	0	0	7
1200	2	1	3	1	12	3	4	3	2	23	5	1	0	7
1500	1	2	3	1	7	6	5	4	2	28	0	1	0	4
1800	3	7	7	2	5	1	1	3	2	28	0	1	0	5
2100	3	12	5	4	3	1	0	1	2	25	4	0	0	5
TOTAL	16	58	45	32	39	19	11	15	13	210	21	4	0	6

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	0	0	0	1	2	5	3	4	16	15	0	0	0	3
0300	1	0	2	2	5	3	5	3	12	17	2	0	0	4
0600	1	0	3	0	7	5	6	3	6	22	3	0	0	5
0900	3	2	1	2	3	4	8	3	5	17	9	0	0	8
1200	2	1	3	2	2	2	7	5	7	14	10	0	0	8
1500	6	1	3	4	2	2	6	2	5	23	3	0	0	6
1800	3	1	4	3	2	3	4	5	6	23	2	0	0	5
2100	2	0	2	5	3	2	5	2	10	19	2	0	0	4
TOTAL	18	5	18	17	26	26	44	27	67	150	31	0	0	5

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

H A I

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	1	0	4	0	0	0	15	0	11	15	4	1	0	6
0300	0	0	4	0	2	0	16	0	9	20	2	0	0	5
0600	0	0	3	3	1	1	14	0	9	19	2	1	0	5
0900	0	0	4	1	1	5	13	0	7	19	4	1	0	6
1200	0	1	4	0	1	2	14	1	8	18	5	0	0	6
1500	0	1	4	0	0	1	13	1	11	17	3	0	0	4
1800	1	0	4	0	0	0	15	0	11	19	1	0	0	3
2100	1	0	4	0	0	1	13	0	12	15	4	0	0	4
TOTAL	3	2	31	4	5	10	113	2	78	142	25	3	0	5

D I W A N I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	2	5	0	1	1	11	0	8	18	5	0	0	6
0300	4	0	8	1	0	2	10	0	6	22	3	0	0	5
0600	3	0	5	1	1	0	16	0	5	21	5	0	0	6
0900	1	0	2	4	0	2	12	6	4	17	8	2	0	8
1200	3	0	2	2	1	2	12	6	3	17	10	1	0	9
1500	5	0	5	1	0	1	13	2	4	24	3	0	0	5
1800	3	4	2	2	0	1	11	1	7	21	3	0	0	5
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	22	6	29	11	3	9	85	15	37	140	37	3	0	6

N A S I R I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	1	3	3	6	1	12	0	2	26	2	1	0	6
0300	2	0	3	1	8	0	14	0	3	24	4	0	0	7
0600	2	0	3	3	3	2	14	3	1	23	6	1	0	8
0900	2	0	1	5	3	2	13	5	0	22	9	0	0	9
1200	2	0	3	2	3	0	14	7	0	22	9	0	0	9
1500	3	1	3	4	0	2	10	7	1	23	7	0	0	8
1800	3	0	5	3	3	0	10	5	2	25	4	0	0	6
2100	1	1	6	3	5	0	12	1	2	26	3	0	0	6
TOTAL	18	3	27	24	31	7	99	28	11	191	44	2	0	7

B A S R A H

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	2	2	0	3	1	9	3	9	22	0	0	0	4
0300	2	0	4	1	1	3	12	2	6	22	3	0	0	5
0600	1	2	2	1	1	1	13	4	6	21	2	2	0	5
0900	4	0	2	2	2	3	9	5	4	20	5	2	0	7
1200	2	1	1	2	2	3	12	7	1	20	9	1	0	8
1500	0	2	3	3	0	0	12	7	4	25	2	0	0	6
1800	2	3	4	0	2	2	7	7	4	25	2	0	0	4
2100	5	2	2	2	1	0	8	5	6	25	0	0	0	3
TOTAL	18	12	20	11	12	13	82	40	40	180	23	5	0	5

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

KHANAQIN

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	0	1	9	0	3	0	0	0	18	12	0	1	0	3
0600	0	1	12	1	2	0	1	0	14	16	1	0	0	3
0900	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1200	1	0	3	1	6	2	7	3	8	22	0	1	0	5
1500	0	0	2	2	7	0	4	3	13	18	0	0	0	3
1800	0	1	5	2	2	0	3	0	18	13	0	0	0	2
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	3	31	6	20	2	15	6	71	81	1	2	0	3

HABBANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	2	3	0	3	3	3	4	10	17	4	0	0	4
0300	0	3	2	0	4	4	8	4	6	24	0	1	0	5
0600	0	0	4	1	1	4	13	5	3	26	2	0	0	6
0900	1	1	2	2	1	3	12	6	3	23	5	0	0	7
1200	3	1	0	3	4	3	9	5	3	20	8	0	0	7
1500	8	2	2	4	1	2	4	6	2	27	2	0	0	4
1800	1	1	4	3	2	1	5	4	10	20	1	0	0	4
2100	3	1	2	2	3	2	4	4	10	14	7	0	0	5
TOTAL	19	11	19	15	19	22	58	38	47	171	29	1	0	5

TABLE 13

NUMBER OF CASES OF:-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	8	0	0	1	6	1	9	4
MOSUL	13	0	0	0	1	0	7	10
KIRKUK	10	0	2	1	1	1	7	7
KHANAQIN	10	0	0	2	0	0	7	8
RUTBA	6	1	0	0	2	0		
HAI	6	0	0	0	0	0	9	3
DIWANIYA	6	0	0	0	0	0	11	1
NASIRIYA	5	0	0	0	1	1	12	5
BASRAH	5	0	1	3	3	0	8	4
HABBANIYA	5	0	0	2	3	1	8	4

NOTE: V.K. MEANS - VELOCITY IN KNOTS.

TABLE 14 JANUARY 1957

DAILY PRECIPITATION UNIT (MILLIMETERS, tr. < 0.05mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA NIYA
1	0.9	1.6	0.2		0.6					2.5
2	tr.			5.2		tr.	tr.			tr.
3		0.1								
4	1.8	15.4	4.7			8.5	0.3	3.1	6.8	tr.
5	0.1	7.9	10.9	18.0					6.2	tr.
6	2.1	1.1	3.5	1.5	0.7					0.6
7	tr.			4.1						
8	3.2					4.2	5.6	15.6	17.0	1.1
9				1.3		1.2			2.0	
10										
11				0.2		0.7	0.1	tr.	0.1	
12										
13		1.1								
14										
15										
16										
17		0.2								
18	0.3	6.3	14.5		1.4		0.9			tr.
19	tr.	5.1	0.9	24.0	10.1	tr.	0.3	0.2	0.1	tr.
20		3.1	0.8	6.8	0.4					
21	0.3	0.2	0.3							tr,
22					tr.					
23										
24										
25										
26										
27										
28	tr.						tr.	0.2		tr.
29	2.9	5.9	4.5	6.5	12.6	0.1	0.3			5.4
30	0.5	4.8	11.5	1.5		1.7	2.3		10.2	1.0
31		2.5								
TOTAL	12.1	55.3	51.8	69.1	25.8	16.4	9.8	19.7	42.4	10.6

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	ZAKHO	AMADIA	AQRA	RAWAN-DUZ	TEL AWAINAT	SINJAR	TELA-FAR	QAYA-RA	ARBIL	CHAM-CHAMAL
1								6.5		
2									1.5	
3							0.5			
4	35.0	8.0	30.4			26.6	19.2	3.2		9.5
5	13.0		40.2	20.0	17.5	7.6	18.0		1.3	4.3
6	6.0		40.5		9.4			7.5	11.0	
7									4.0	
8										
9										
10										
11										8.5
12										
13										6.5
14	7.3			10.0						5.0
15										6.0
16										
17				10.0						
18	27.0	16.6	45.3	20.0		4.1	2.0	0.5		
19			30.4	5.0	5.6	0.4	3.0		9.0	
20						0.8			16.0	8.0
21						1.0				7.0
22										
23										
24										
25										
26										
27										
28	13.5									9.0
29	20.0	4.2		15.0			10.4	5.0		8.0
30		31.0	45.6	10.0	11.7	16.8		2.3	4.7	6.0
31	5.0			5.0	5.8	31.8	9.0	4.5	6.0	7.0
TOTAL	126.8	59.8	232.4	95.0	50.0	71.1	62.1	29.5	53.5	84.8

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	SULAI-MANIYA	HALABJA	IFTI-KHAR	CHUA-RTA	SALAH-ALDDIN	RAYAT	SANAT	DUHOK	MIRZA-RUSTAM
1	4.6	1.8							
2	2.8	7.5		4.6	5.1				
3				3.5			16.3		
4			7.6				34.2	21.0	
5	51.0	29.0	24.1	49.3	2.5	3.5	42.7	24.0	3.6
6	12.0	14.5		4.4	11.4	9.2	50.4	3.5	2.3
7					11.7	2.8			2.5
8									
9									
10									
11	0.9	4.5							
12				0.3			7.6		
13							24.3		
14							3.0		
15								4.3	
16									
17									
18	25.0	6.5			5.3	1.5	40.9	39.9	
19	16.0	12.0	10.2	21.4	12.7	34.3	56.1		3.5
20		2.8		6.8	12.7		7.2	13.4	1.0
21		1.5							
22									
23									
24									
25									
26									
27							20.1		
28							3.4		
29		3.8	7.6	15.8			31.6	5.8	1.0
30	20.8	11.0	10.2	9.9	4.1	5.5	42.1	20.3	1.0
31		2.5		21.2	10.2	10.4	28.6	21.2	0.7
TOTAL	133.1	97.4	59.7	137.5	75.7	67.2	408.5	153.4	15.6

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	AQDER-KARAM	GALA-LA	BILLE	SHAQ-LAWA	BIN-KIRD	SER-SANK	BAIJI	ANA	TUZ	DIALA	HIT
1			3.0	2.2	2.6						
2			10.0							1.0	
3			2.0								
4			20.9	2.0	1.9		14.0			1.0	
5		2.0	24.4	13.0	36.5	10.4	8.8	5.5	10.2	5.0	5.1
6		8.0	22.0	16.0	18.9	4.1			13.7		1.0
7											
8											
9											
10											
11					2.6						
12											
13			7.9			16.5					
14				0.9							
15											
16	1.1										
17			12.0		0.1						
18	11.2		43.8	20.0	23.3	40.1	1.2			3.0	
19	2.0	29.0	10.5		5.0	1.3			12.4		0.5
20			1.7		0.6	2.3					
21							1.1				
22											
23											
24											
25											
26											
27											
28											
29	7.0		14.5	5.5	12.9	6.4	8.0			8.0	8.0
30	7.8		36.0	13.5	17.7	11.2	1.3	11.0			1.9
31	1.2		28.0	18.5	5.3	8.9			1.0		
TOTAL	30.3	39.0	236.7	91.6	127.4	115.4	34.4	16.5	37.3	18.0	9.9

TABLE 15-CONTINUED JANUARY 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	MAND-ILY	HIN-DIYA	KUT	AMARA	BADAA	UR	GHABAI-SHIYA	MAQIL	QALAT-DIZA
1									
2									
3									1.0
4	13.5	7.0			2.5				1.0
5			1.7				16.0	5.6	4.8
6				5.0				3.0	1.8
7									
8					11.0				
9		3.3	3.3	3.0		22.4	21.3	15.5	
10								1.8	
11		10.3							
12									
13									
14									
15									
16									
17									
18	6.0								28.5
19	7.5	0.7							
20									
21									
22									
23									
24									
25									
26									
27									
28			0.7						
29									1.5
30	16.0	3.2							2.0
31			1.8						1.5
TOTAL	43.0	14.2	7.5	8.0	13.5	22.4	37.3	25.9	40.3

TABLE 16

BAGHDAD AIRPORT

Month January

Year 1957.

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M		1		1	1	1	1	1																	6
> 200 -500M	1		2	1		1	1						1/1	1/1											8
> 500 -1000M					2	1	1		1						1/1	1/1					2				9
> 1000 -1500M		1				1	1												1						4
> 1500 -3000M	1		1		2	6	1	1				1	1	1		1	2	2	5	4	1	2	1	1	34
> 3 -5KM	1	1		2	3	2	4	1/2				1/2				6	1/4	1/4	2	2	3		3	2	43
> 5 -10KM	1		1	3	10	9	8	4	3	1	1/2		1	1	3	15	13	6	3	3	1	2	1	1	92
> 10 -15KM	5	10	7	7	10	8	7	8	6	5	2	3		2	7	5	9	15	7	6	9	9	5	6	158
> 15KM	22	18	20	17	3	2	7	15	21	25	27	25	28	26	20	3	3	4	13	16	15	18	21	21	390
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

Note

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Different Heights
Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
> 50 -150M						1																			1
> 150 -300M										1															1
> 300 -500M	1	1						1					1	1										1	6
> 500 -900M		1	1	1	1						1	1			1	1									8
> 900M	10	9	10	10	12	12	14	14	14	16	15	15	16	15	12	12	14	13	12	9	8	10	8	6	286

TABLE 16 CONTINUED

Month January

Year 1957.

BASRAH AIRPORT

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M					1	1																			2
>200 -500M																									
>500 -1000M						1																			1
>1000 -1500M						1	1																		2
>1500 -3000M				1	2	2																			5
>3 -5KM					1/4	2	2	1/2	1/1																11
>5 -10KM	1	3	4	1/4	6	4	6	3	1	1			1	1			1	1	1	2	1	2	1	1	45
>10 -15KM	5	3	2	3	8	7	4	4	3	3	2	3	2	2	2	2	1	1	2	1	5	5	5	6	81
>15KM	25	25	25	23	10	13	18	22	26	27	29	28	28	28	29	29	29	29	28	28	25	24	25	24	597
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE

In fields conta ining two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency Of Different Heights
Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M		1					1							1											3
>150 -300M						2	1	1	2	2	2	1			1	1	1								14
>300 -500M	2	2	2	1	2			1			1							1	1	1	1	1	1	1	18
>500 -900M				1			2	1	1				1				1	1		1	1	1			11
[illegible]	[illegible]	[illegible]	10	13	14	15	14	13	14	12	1[illegible]	1[illegible]	1[illegible]	1[illegible]	1[illegible]	13	12	7	7	8	7	8	9	11	273

TABLE 17

(16)

Month January

Year 1957.

BAGHDAD AIRPORT

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≤ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			200-500M			0.5-1KM			1-1.5KM			1.5-3KM			3-5KM			5-10KM			10-15KM			15KM			TOTAL		
0-50																														
992-984 > 50-150																														
984-1640 > 150-300																						1						1		
																								1						1
995 ≥ > 300-500				1																								1		
														1															1	
						1									1															2
> 500-900																							1						1	
																					1									1
																					1			1						2
< 5/8 OR * > 900		1	1		1	1			1			1	1		1	1	2	4	1	3	8	5	6	7	22	17	7	30	30	31
					1				1						1			6	1	1	14	4		5	25	28	3	30	30	30
AND ≤ 5/8			2			3			2	1		2	5	2	10	2		15	3	2	33	7	9	42	13	18	133	31	31	243
TOTAL		1	1	1	1	1			1			1	1		1	1	2	4	1	3	8	5	7	7	22	17	7	31	31	31
					1				1					1	1			6	1	1	15	5		5	25	28	3	31	31	31
			2			4			2	1		2	5	2	11	2		15	3	2	34	7	9	45	13	18	133	31	31	248

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 17- CONTINUED

(17)

Month January
Year 1957.

BASRAH AIRPORT

Simultaneous Occurrences Of
Specified Visibility Ranges and Specified Lowest
Cloud Base (5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M	200-500M	0.5-1KM	1-1.5KM	1.5-3KM	3-5KM	5-10KM	10-15KM	15KM	TOTAL
0-50										
50-150									1	1
									1	1
150-300							1			1
								1	1	2
							1	1	2	4
300-500							1			2
								1	1	3	1	1	4
500-900						1	1	1	1	2	2
								1		1
						1	1	1	3	1	1	6
<5/8 OR *				1	1	1	3	5	5 3 3	24 22 17	29 29 27
900							1		3 1 2	26 28 28	29 30 30
AND 5/8				1	1	1	1 2	12	2 4 23	27 23 195	30 29 233
TOTAL				1	1	2	1 4	6	5 3 4	25 23 18	31 31 31
							1 1		3 2 2	27 28 29	31 31 31
				1	1	2	1 2	16	2 5 26	28 24 202	31 31 248

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

FEB 1957

1 FEB 1957

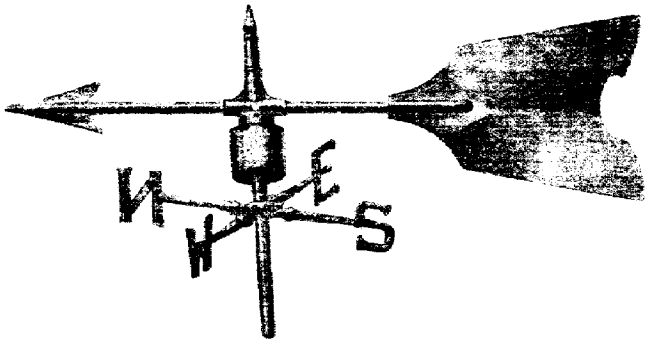
الحكومة العراقية

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

التقرير الجوي الشهري
للعراق
بغداد



GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REPORT FOR IRAQ

BAGHDAD. Feb. 1957

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C O N T E N T S

TABLE		PAGE
-	MAP WHOWING ALL METEOROLOGICAL STATIONS.	SEE JANUARY
1	MEAN DAILY TEMPERATURES.	1
2	MONTHLY MEAN GRASS MIN. TEMPERATURES, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES.	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE.	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE WIND.	6-8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS.	10-15
16	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE.	16-17
17	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE.	18-19

PREPARED AND PUBLISHED
BY THE IRAQ METEOROLOGICAL DEPARTMENT
CLIMATOLOGICAL SECTION.

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBA	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	3[illegible] 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Height of Station above M.S.L. (IN METERS)
2. Hb. means Height of barometer cistern above M.S.L. (IN METERS)
3. Ha. means Height of anemometer above the ground. (IN METERS)

STATION	LATITUDE	LONGITUDE	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
LORA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	180 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHUARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	-
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	-
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KIFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
QADAR KARAM	35 11 N.	44 53 E.	400 m.
MAKHMUR	35 46 N.	43 34 E.	450 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
KAI SANJAC	36 05 N.	44 38 E.	600 m.
TAG TAG	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
TUZ	34 53 N.	44 39 E.	220 m.
ANA	34 28 N.	41 27 E.	-
DIALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
MANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	-
SAMAWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

TABLE 1 (1) FEBRUARY 1957

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBA	HAI	DIWANIYA	NASIRIYA	BASRAH
1	10.3	7.4	8.8	5.9	12.1	10.1	12.6	13.7
2	9.0	6.4	6.6	3.9	10.9	9.4	11.8	12.7
3	8.7	7.1	7.2	3.2	8.3	8.1	9.5	12.8
4	8.0	5.0	6.3	3.4	8.6	7.9	8.5	10.4
5	6.8	5.5	4.6	4.8	6.3	6.6	7.7	9.0
6	6.3	2.6	5.3	7.4	6.2	6.3	6.3	8.0
7	7.9	3.8	6.8	11.3	8.9	7.3	7.6	9.1
8	7.6	3.7	7.3	6.8	9.2	7.8	8.5	10.3
9	10.8	5.4	8.2	8.1	9.9	10.4	10.3	11.8
10	9.4	6.9	7.0	5.0	8.7	10.1	10.7	12.0
11	9.3	6.7	7.3	8.2	8.2	9.9	8.8	9.9
12	12.5	7.8	8.3	10.1	8.6	10.7	10.8	10.1
13	12.9	6.7	8.5	9.3	12.3	13.5	14.5	14.4
14	13.0	6.0	9.1	9.5	13.4	13.1	12.6	13.8
15	14.9	9.2	10.9	10.7	13.9	14.0	13.1	14.4
16	14.2	9.6	11.2	9.9	15.3	15.5	15.0	15.7
17	14.1	10.5	12.0	11.1	14.7	14.2	14.5	15.9
18	13.4	7.8	12.6	11.4	14.5	13.9	14.8	16.0
19	13.6	10.0	14.9	12.3	15.3	14.0	14.5	15.9
20	14.6	10.5	14.4	12.9	16.5	14.8	15.5	12.0
21	18.6	10.9	14.6	12.0	17.5	15.8	15.6	17.1
22	17.7	11.7	14.4	12.9	18.2	19.1	18.3	19.1
23	19.3	14.7	17.4	14.9	17.4	19.8	19.8	19.5
24	21.1	16.5	18.8	14.5	19.2	21.1	20.1	19.9
25	17.5	13.5	15.0	13.9	17.0	15.5	19.5	19.6
26	14.6	11.4	11.1	9.2	14.4	15.6	17.3	18.4
27	13.8	11.2	11.6	10.7	13.1	13.2	13.7	14.7
28	15.7	12.3	12.5	11.8	14.4	14.0	15.1	14.9
MEANS	12.4	8.6	10.5	9.5	12.6	12.9	13.1	14.1

TABLE 2

STATION	MONTHLY MEAN TEMPERATURES			MONTHLY TOTAL SUNSHINE HOURS
	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	
BAGHDAD	....	13.5	16.1	231.4
MOSUL	0.4	10.5	13.0	161.4
KIRKUK	4.1	11.2	13.4	.....
HAI	5.6			
BASRAH	4.1	....	....	239.1
HABBANIYA	3.5	14.5	17.3	233.9

NOTE: TEMPERATURES ARE IN CENTIGRADE.

TABLE 3 FEBRUARY 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	18.6	5.8	12.4	3.1	12.6	6.6	20.7	7.8	17.2	6.1
2	14.6	5.0	9.4	5.0	9.2	4.4	16.6	9.4	13.9	5.0
3	14.0	5.0	12.6	2.4	12.5	3.9	21.0	7.3	15.0	5.5
4	16.1	2.4	11.3	-0.7	11.4	2.5	15.5	5.9	13.9	2.8
5	11.6	1.9	12.2	0.9	9.9	0.9	14.5	4.7	12.8	3.3
6	14.7	-1.4	8.6	-3.1	11.0	-0.3	13.7	2.6	13.3	-1.1
7	15.4	0.3	13.2	-3.2	13.5	1.2	15.8	2.7	15.5	-0.6
8	16.8	-1.0	13.4	-3.6	13.4	0.7	19.1	2.9	16.1	-0.6
9	18.8	3.4	16.4	-3.4	15.0	2.4	19.9	3.8	18.9	0.5
10	12.2	6.7	11.2	4.1	11.4	3.7	15.9	6.8	11.6	7.2
11	14.8	7.0	12.1	4.4	10.9	4.4	12.8	7.9	14.4	6.6
12	18.6	4.7	14.2	2.1	12.5	5.4	17.0	3.5	19.4	6.1
13	21.7	7.4	8.7	5.5	11.1	6.6	22.4	6.4	18.9	8.3
14	20.7	3.4	13.0	1.6	14.1	3.8	20.6	7.4	20.5	3.9
15	24.3	5.2	16.1	3.0	18.3	3.8	22.4	6.2	20.5	4.4
16	21.7	6.5	17.2	5.6	15.9	6.4	24.6	7.6	21.6	5.5
17	21.4	6.7	18.7	5.4	19.1	6.2	22.7	9.2	20.5	7.8
18	21.8	6.6	20.7	3.4	19.0	7.5	22.8	9.4	20.5	7.2
19	24.4	4.6	22.0	1.1	22.5	9.2	22.9	8.4	21.6	5.5
20	24.8	5.3	22.8	0.9	21.6	9.3	24.8	9.6	22.8	5.0
21	25.8	6.4	21.4	1.9	21.3	9.5	24.9	10.0	24.4	7.2
22	27.0	8.6	22.0	3.4	21.1	8.6	28.0	9.7	26.1	7.2
23	28.7	11.6	25.0	6.7	23.9	11.1	29.1	13.7	27.8	9.4
24	26.7	16.4	25.7	9.4	23.6	15.3	28.0	13.4	28.3	15.0
25	20.6	14.2	18.9	11.4	15.9	13.1	26.2	15.4	23.9	15.5
26	18.8	12.4	13.1	11.0	12.5	10.7	22.8	15.3	17.8	12.8
27	19.2	9.8	16.4	7.6	16.2	9.2	18.6	11.7	20.5	9.4
28	22.9	8.8	18.1	7.8	16.6	10.0	21.8	7.5	23.3	8.3
MEANS	19.9	6.3	16.0	3.3	15.6	6.3	20.9	8.1	19.3	6.2
NORMAL	18.2	5.8	14.4	3.3	15.0	4.8	20.4	9.1	18.6	5.9

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	30.0	26th.	1941	-5.0	10th. 9th.	1949 1950
MOSUL	26.7	28th.	1955	-9.4	10th.	1949
KIRKUK	26.6	25th.	1941	-6.7	4th.	1947
BASRAH	30.5	28th.	1941	-2.2	9th.	1950
HABBANIYA	30.5	24th.& 26th.	1941	-4.4	10th.	1949

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBAH		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	16.3	5.5	10.2	3.5	19.8	4.9	18.7	2.4	21.5	5.6
2	13.0	6.5	8.6	0.0	16.8	7.7	17.0	6.2	18.0	9.0
3	13.5	4.0	7.6	1.4	11.8	5.5	11.7	5.5	13.6	8.2
4	14.2	4.5	8.5	0.4	15.7	3.8	15.3	1.5	14.7	3.6
5	8.0	4.0	8.9	2.0	12.0	1.8	11.8	2.2	14.2	3.2
6	13.0	1.5	12.1	-2.0	13.6	-1.2	15.3	-1.0	14.5	0.0
7	14.5	1.5	13.7	0.6	17.2	1.2	16.9	-0.7	16.4	0.5
8	16.0	0.5	14.5	0.6	18.0	1.6	17.2	-0.4	18.3	0.4
9	17.5	2.0	15.5	1.8	19.2	1.8	20.4	1.2	19.0	2.2
10	11.5	3.5	8.5	2.7	11.4	6.4	15.6	7.9	13.6	8.6
11	10.5	7.0	14.7	1.3	12.5	6.0	16.0	6.2	13.8	6.6
12	16.0	5.5	16.0	4.5	16.6	1.8	21.0	3.2	18.4	3.4
13	18.0	5.5	15.6	4.3	21.2	4.4	24.0	5.5	24.7	7.9
14	17.0	3.9	16.7	2.5	21.8	5.7	21.9	3.4	21.4	6.0
15	19.7	4.0	19.5	1.8	22.4	6.7	23.7	5.5	22.7	6.0
16	20.0	5.0	19.6	3.4	24.1	7.4	24.6	7.5	25.6	6.7
17	22.0	6.4	19.6	3.4	22.6	7.8	22.4	7.7	22.2	6.7
18	22.8	4.2	20.2	4.4	22.6	7.5	22.1	6.5	23.2	8.0
19	24.5	6.6	21.0	5.2	24.0	8.6	23.5	5.2	24.0	7.6
20	23.5	6.5	23.0	4.2	25.0	8.6	24.6	5.2	24.7	7.8
21	22.8	7.5	23.0	4.0	26.0	10.4	26.4	5.9	26.5	7.0
22	23.3	6.4	23.0	4.0	27.0	9.9	28.4	10.4	27.4	9.0
23	26.7	9.4	25.0	4.0	25.6	11.4	29.8	13.4	28.7	14.8
24	26.1	14.4	23.0	5.3	26.8	12.1	30.2	12.2	30.7	12.7
25	22.8	14.3	22.4	10.0	21.5	13.9	19.2	14.4	27.7	15.4
26	13.3	11.3	16.0	4.5	17.2	12.2	20.5	13.2	25.8	12.6
27	16.1	9.4	17.0	4.0	17.4	10.2	19.0	10.2	19.2	11.6
28	19.4	11.1	19.2	4.5	21.8	7.6	24.1	5.2	22.4	8.3
MEANS	17.9	6.1	16.5	3.1	19.7	6.6	20.8	5.9	21.2	7.1
NORMAL	17.0	5.7	17.3	3.6	19.7	6.6	19.3	4.9	20.4	7.3

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	29.4	28th. 9th.	1941 1944	-4.4	9th.	1950
RUTBAH	31.7	24th.	1941	-8.3	25th. 11th.	1934 1949
HAI	29.4	24th.&27th.	1941	-3.9	10th.	1949
DIWANIYA	32.0	22nd.	1955	-7.2	9th.	1950
NASIRIYA	32.2	22nd.	1952	-3.9	25th.	1949

TABLE 4 FEBRUARY 1957

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.6	7.4	10.4	16.6	18.7	16.2	12.4	10.7	12.4
MOSUL	5.0	4.3	6.9	12.3	14.4	12.1	8.3	6.2	8.7
KIRKUK	7.5	7.3	10.2	13.7	14.3	12.2	9.4	8.7	10.4
KHANAQIN	...	7.4	10.7	....	17.1	14.2	10.1	....	11.9
RUTBA	4.7	3.6	7.0	12.9	13.6	13.8	9.2	6.7	8.9
HAI	8.4	7.4	11.2	17.3	18.8	15.5	12.0	10.1	12.6
NASIRIYA	8.6	7.4	11.8	17.9	20.0	16.2	12.4	10.1	13.1
BASRAH	10.1	9.1	12.6	18.3	20.3	17.1	13.9	11.8	14.2
DIWANIYA	7.8	6.7	11.3	18.0	19.7	16.6	12.0	9.7	12.7
HABBANIYA	8.3	7.1	10.0	16.5	18.4	16.0	11.7	9.9	12.2

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	6.4	5.5	7.7	10.9	11.8	10.1	8.7	7.3	8.6
MOSUL	4.1	3.6	5.4	8.6	9.4	8.3	6.4	5.0	6.4
KIRKUK	5.4	5.2	7.0	9.0	9.0	8.3	6.8	6.1	7.1
KHANAQIN	...	5.8	8.0	....	10.7	10.1	8.4	...	8.6
RUTBA	3.1	2.4	5.5	7.9	8.8	7.9	5.7	4.4	5.7
HAI	6.3	5.7	8.3	11.3	11.6	10.2	8.5	7.4	8.7
NASIRIYA	6.5	5.9	8.7	11.5	11.7	10.9	9.2	7.6	9.0
BASRAH	9.1	8.4	11.4	13.8	14.5	13.0	11.8	10.7	11.6
DIWANIYA	5.3	4.7	8.2	11.3	11.5	9.7	7.8	6.7	8.2
HABBANIYA	6.4	5.6	7.8	11.2	11.8	10.8	8.7	7.5	8.7

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS AT M.S.L.) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	17.6	18.4	19.7	19.3	17.7	17.9	18.6	18.7	1018.5
MOSUL	20.1	20.3	21.0	20.2	18.7	18.9	19.9	20.5	1019.9
KIRKUK	19.2	19.4	20.0	19.3	18.0	18.6	19.5	19.7	1019.2
KHANAQIN	....	19.4	19.0	....	18.9	17.8	18.8	....	1018.8
RUTBAH	17.9	18.0	19.2	18.1	16.7	17.2	18.1	17.9	1017.9
HAI	18.3	18.6	19.6	19.0	17.6	17.9	18.6	18.7	1018.3
NASIRIYA	18.2	18.6	19.7	18.8	17.1	17.6	18.5	18.5	1018.4
BASRAH	18.5	18.9	20.2	19.5	17.8	18.0	18.8	19.0	1018.8
DIWANIYA	18.1	15.3	21.0	17.0	16.6	17.5	18.4	18.5	1017.8
HABBANIYA	18.1	18.4	19.5	19.0	17.5	17.7	18.4	18.5	1018.4

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	75	78	74	51	42	48	64	70	63
MOSUL	87	89	81	63	55	62	77	84	75
KIRKUK	75	74	65	57	52	61	70	70	66
KHANAQIN	..	78	65	..	43	58	73	..	63
RUTBAH	78	83	69	54	43	47	61	69	63
HAI	74	79	69	50	42	52	63	71	62
NASIRIYA	76	81	68	48	37	53	66	72	63
BASRAH	88	92	82	60	52	62	78	87	75
DIWANIYA	68	76	66	46	39	47	60	67	59
HABBANIYA	76	80	73	51	43	50	66	72	64

TABLE 8 FEBRUARY 1957

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.4	8.1	8.7	9.4	9.0	8.7	9.1	8.5	8.7
MOSUL	7.7	7.6	8.2	8.9	8.6	8.6	8.6	8.1	8.3
KIRKUK	7.8	7.7	8.0	8.6	8.0	8.5	8.3	7.9	8.1
KHANAQIN	...	8.1	8.5	...	8.0	9.2	9.3	...	8.6
RUTBAH	6.8	6.6	6.9	7.4	7.2	7.1	7.1	7.1	7.0
HAI	7.9	8.3	9.2	9.6	9.0	9.1	8.9	8.8	8.8
NASIRIYA	8.6	8.6	9.5	9.5	8.7	9.8	9.7	9.1	9.2
BASRAH	11.0	10.7	12.1	12.4	12.0	11.0	12.4	12.1	11.8
DIWANIYA	7.6	7.6	9.1	9.2	8.4	8.4	8.2	8.1	8.3
HABBANIYA	8.4	8.2	9.0	9.4	8.8	9.0	9.1	8.8	8.8

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	4.0	3.6	5.1	5.6	4.3	4.3	5.3	4.4	4.9
MOSUL	3.0	2.6	3.7	4.8	4.2	4.3	4.4	3.6	3.8
KIRKUK	3.0	2.6	3.4	4.3	3.3	4.2	3.9	3.2	3.5
RUTBAH	1.3	0.9	1.5	2.7	2.1	1.6	1.8	1.7	1.7
HAI	3.9	3 9	5.4	6.0	4.9	5.2	4.9	4.7	4.9
NASIRIYA	4.4	4.4	5.8	5.9	4.1	6.0	6.1	5.0	5.2
BASRAH	8.2	7.7	9.6	9.8	9.4	9.3	9.9	9.6	9.2
DIWANIYA	2.7	2.9	5.1	4.8	3.6	4.0	3.6	3.5	3.8

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.6	0.7	0.7	1.0	1.7	1.0	0.5	0.7	0.8
MOSUL	2.6	3.3	3.0	3.0	3.5	3.4	2.7	2.4	3.0
KIRKUK	2.0	2.2	2.6	2.8	2.7	2.4	1.4	1.4	2.2
KHANAQIN	...	3.1	3.1	...	3.0	3.0	2.0	...	2.8
RUTBAH	1.3	1.3	1.5	2.0	2.3	2.1	1.4	1.8	1.7
HAI	1.1	2.2	2.6	2.6	2.6	1.5	1.0	1.0	1.8
NASIRIYA	0.7	1.1	1.6	1.1	1.5	0.9	0.6	0.6	1.0
BASRAH	0.4	0.4	0.6	1.2	1.3	0.6	0.3	0.3	0.6
DIWANIYA	0.4	1.3	1.5	1.3	1.7	1.0	0.8	0.4	1.1
HABBANIYA	0.6	1.0	0.6	1.0	2.0	1.0	0.4	0.2	0.9

TABLE 11

MONTHLY MEAN TOTAL CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	2.2	2.9	2.9	2.9	3.7	3.7	2.2	2.3	2.8
MOSUL	3.7	4.3	4.5	4.8	5.1	4.8	3.7	3.6	4.3
KIRKUK	2.6	3.4	4.2	4.1	4.2	3.8	2.1	1.9	3.3
KHANAQIN	...	4.0	4.0	...	5.0	5.0	3.0	...	4.2
RUTBAH	1.5	2.4	3.3	3.7	4.0	3.9	2.6	2.1	2.9
HAI	2.0	3=1	3.8	3.6	3.6	2.9	1.6	1.6	2.8
NASIRIYA	1.4	3.0	3.2	2.9	2.8	2.3	0.9	1.3	2.2
BASRAH	1.2	2.0	2.8	2.0	3.0	2=2	1.2	1.1	2.1
DIWANIYA	1.1	2.8	2.7	2.3	2.9	2.6	1.4	1.1	2.1
HABBANIYA	2.5	3.0	2.7	2.6	3.9	3.3	2.1	2.3	2.8

TABLE 12 FEBRUARY 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

BAGHDAD

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	2	5	7	2	1	1	7	1	22	3	2	0	7
0300	1	4	4	7	2	1	2	7	0	24	4	0	0	8
0600	2	1	6	5	2	1	4	7	0	20	8	0	0	8
0900	3	2	2	5	3	3	2	8	0	18	8	2	0	11
1200	5	1	3	5	2	3	4	5	0	15	11	2	0	11
1500	7	0	6	4	2	0	4	5	0	22	5	1	0	9
1800	2	1	8	4	1	2	2	8	0	22	5	1	0	9
2100	4	1	7	7	1	0	1	6	1	22	4	1	0	8
TOTAL	26	12	41	44	15	11	20	53	2	165	48	9	0	9

MOSUL

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	4	4	4	1	0	0	4	1	10	13	5	0	0	5
0300	3	1	6	2	0	0	4	4	8	17	3	0	0	4
0600	9	3	7	3	1	0	5	0	0	24	3	1	0	6
0900	2	4	9	2	0	3	3	4	1	18	8	1	0	8
1200	3	2	9	2	3	2	6	0	1	18	7	2	0	9
1500	2	5	6	0	0	1	5	0	9	14	4	1	0	5
1800	2	5	5	1	0	0	3	3	9	16	3	0	0	5
2100	6	3	5	0	0	0	0	5	10	13	5	0	0	4
TOTAL	31	27	57	11	4	6	30	16	48	133	38	5	0	6

KIRKUK

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	15	7	3	1	0	0	0	0	23	5	0	0	7
0300	2	13	6	6	0	0	0	0	1	23	3	1	0	7
0600	1	9	8	8	0	0	0	1	1	24	3	0	0	6
0900	1	4	2	8	4	3	3	1	2	21	4	1	0	7
1200	1	1	3	6	3	5	6	3	0	24	2	2	0	6
1500	3	0	4	6	2	2	4	4	3	22	3	0	0	5
1800	1	12	10	3	1	0	0	0	1	25	2	0	0	5
2100	0	18	7	2	1	0	0	0	0	27	0	1	0	6
TOTAL	11	72	47	42	12	10	13	9	8	189	22	5	0	6

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	0	1	1	1	4	4	2	1	14	9	3	2	0	9
0300	0	2	0	1	3	3	3	2	14	11	3	0	0	4
0600	2	0	1	1	4	8	3	1	8	13	7	0	0	6
0900	2	2	4	2	1	2	7	1	7	10	10	1	0	9
1200	0	1	3	2	2	5	4	4	7	12	8	1	0	8
1500	5	1	3	2	0	2	4	3	8	13	7	0	0	6
1800	1	1	5	3	0	4	3	1	10	15	3	0	0	5
2100	0	0	3	2	2	3	1	3	14	11	2	1	0	4

SURFACE WIND - NUMBER OF OBSERVATIONS OF : -

H A I

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≧34	V.K.
0000	0	0	8	1	0	0	9	1	9	16	2	1	0	6
0300	1	0	6	1	0	1	11	0	8	17	2	1	0	6
0600	1	0	5	1	1	0	9	0	11	11	5	1	0	6
0900	1	0	6	2	2	0	12	0	5	14	8	1	0	9
1200	0	0	7	3	1	0	13	2	2	17	9	0	0	9
1500	0	0	6	2	0	0	10	1	9	14	5	0	0	6
1800	0	1	7	1	0	0	6	2	11	13	4	0	0	5
2100	0	1	6	2	0	0	7	3	9	14	5	0	0	6
TOTAL	3	2	51	13	4	1	77	9	64	116	40	4	0	6

N A S I R I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≧34	V.K.
0000	1	0	4	5	5	2	4	4	3	21	4	0	0	6
0300	1	1	3	7	2	1	4	7	2	22	4	0	0	6
0600	2	1	2	8	3	2	6	4	0	19	8	1	0	8
0900	1	0	2	8	3	0	5	9	0	17	10	1	0	11
1200	5	0	2	6	1	1	4	9	0	15	12	1	0	10
1500	5	3	4	4	2	0	4	6	0	18	10	0	0	8
1800	3	0	6	5	1	0	4	7	2	20	6	0	0	7
2100	3	1	1	5	5	0	2	6	5	19	4	0	0	6
TOTAL	21	6	24	48	22	6	33	52	12	151	58	3	0	8

B A S R A H

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≧34	V.K.
0000	3	0	1	4	1	2	5	6	6	21	1	0	0	5
0300	2	1	2	4	0	1	10	3	5	21	1	1	0	5
0600	2	1	4	4	0	0	10	3	4	20	3	1	0	6
0900	3	2	1	5	2	1	5	7	2	17	9	0	0	9
1200	2	1	2	6	2	1	6	7	1	17	8	2	0	9
1500	3	1	2	7	0	0	7	5	3	18	6	1	0	7
1800	1	2	3	4	2	0	3	11	2	22	4	0	0	5
2100	1	0	3	3	4	0	5	4	8	19	1	0	0	4
TOTAL	17	8	18	37	11	5	51	46	31	155	33	5	0	6

K H A N A Q I N

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≧34	V.K.
0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	0	0	11	2	2	0	1	0	12	14	2	0	0	4
0600	1	2	9	2	2	0	1	1	10	15	3	0	0	4
0900	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1200	4	0	2	2	7	0	3	0	10	16	0	2	0	6
1500	2	0	2	3	2	0	4	2	13	14	1	0	0	3
1800	0	0	6	5	3	0	1	1	12	16	0	0	0	3
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	7	2	30	14	16	0	10	4	57	75	6	2	0	4

TABLE 12-CONTINUED FEBRUARY 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF:-

DIWANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	1	2	7	1	4	2	9	0	2	21	5	0	0	6
0300	1	1	5	3	3	0	11	0	4	18	4	2	0	8
0600	1	0	5	4	2	3	8	1	4	16	8	0	0	8
0900	3	0	3	7	0	0	9	3	3	13	9	3	0	10
1200	9	0	1	6	0	1	8	0	3	15	9	1	0	10
1500	7	0	6	2	0	1	8	0	4	21	3	0	0	6
1800	6	0	5	5	0	1	5	1	5	16	7	0	0	7
2100	2	1	6	7	0	1	8	0	3	20	5	0	0	8
TOTAL	30	4	38	35	9	9	66	5	28	140	50	6	0	8

HABBANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	0	0	7	4	1	1	6	4	5	15	6	2	0	6
0300	0	2	4	1	3	1	8	3	6	14	7	1	0	7
0600	1	0	5	2	4	1	10	4	1	19	6	2	0	8
0900	1	1	4	2	6	2	7	5	0	16	10	2	0	10
1200	1	2	1	4	6	1	6	7	0	16	11	1	0	10
1500	2	1	5	3	3	1	3	10	0	24	3	1	0	6
1800	0	2	8	3	0	0	4	5	6	17	4	1	0	6
2100	1	1	6	4	0	2	6	2	6	15	6	1	0	6
TOTAL	6	9	40	23	23	9	50	40	24	136	53	11	0	7

TABLE 13

NUMBER OF CASES OF:-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	5	0	0	2	4	1	10	2
MOSUL	8	0	0	1	0	0	5	11
KIRKUK	10	1	0	3	0	1	6	4
KHANAQIN	10	0	0	1	0	1	5	5
RUTBAH	4	0	1	0	1	2	8	0
HAI	6	0	0	1	2	1	12	2
DIWANIYA	8	0	0	0	0	0	13	0
NASIRIYA	7	0	1	2	0	0	15	0
BASRAH	7	0	0	3	2	0	16	0
HABBANIYA	4	0	0	0	0	0	10	0

NOTE: V.K. MEANS - WIND VELOCITY IN KNOTS.

TABLE 14 FEBRUARY 1957

DAILY PRECIPITATION UNIT (MILLIMETERS, tr. < 0.05 mm)

DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	6.2	7.1	10.7	2.4	tr.	1.7	1.1	2.6	4.2	0.4
2		tr.		14.0	tr.		tr.	tr.	tr.	
3			tr.		1.0	0.5	3.2	1.1	0.2	
4			3.2							tr.
5	0.1			5.5		tr.			0.4	
6										
7										
8										
9	tr.				tr.		0.4	0.4		tr.
10	1.9	6.1	21.7	6.5	0.3	4.2	0.5	3.7	0.5	7.5
11	tr.	tr.	1.5	3.4	0.5					
12		3.6	tr.							
13		5.9	6.6	1.6						
14			0.7							
15		0.2								
16										
17										
18										
19										
20										
21										
22								tr.		
23							0.3	tr.		tr.
24	4.0		2.9	2.4			3.9	tr.		tr.
25	38.0	18.3	39.6	1.2		7.3	1.6	33.5	4.1	1.9
26	1.3	3.5	6.1	30.8	0.6	8.3	1.5	6.5	0.9	1.0
27		tr.	0.6	0.3		0.3		0.7	0.8	
28		0.5	tr.							
TOTAL	51.5	45.2	93.6	68.1	2.4	22.3	12.5	48.5	11.1	10.8

TABLE 15 FEBRUARY 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	ZAKHO	AMADIA	AQRA	RAWAN-DUZ	TEL AWAINAT	SINJAR	TELAA-FAR	QAYA-RA	ARBIL
1	20.0	25.4	30.4	20.0	11.9	7.3	2.0		
2		6.0	20.2	10.0		3.7			10.3
3						6.8	1.0		
4				5.0					
5									1.9
6									
7									
8									
9						1.0			
10	24.5			10.0		5.3	5.0	6.5	
11			35.6	15.0	4.6				9.7
12			30.4			21.3	8.5		
13	23.0		32.2	20.0	17.0	2.5		5.0	
14						0.2			9.4
15	7.0								
16					5.6				
17									
18									
19									
20									
21									
22									
23			24.3						
24	13.0	17.0	18.4						
25		53.0	20.2	25.0		8.7	3.0	0.5	
26	15.0	5.0	35.8	30.0	12.2			2.5	7.6
27	5.5	8.0	40.2	10.0		4.8			7.3
28		4.0	25.3	10.0					6.2
TOTAL	108.0	118.4	313.0	155.0	51.3	61.6	19.5	14.5	52.9

TABLE 15-CONTINUED FEBRUARY 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	CHAM-CHAMAL	HALAB-JA	IFTI-KHAR	CHUAR-TA	SALAH-ALDDIN	RAYAT	DUHOK	MIRZA-RUSTAM	SHAQLA-WA
1	10.0	12.0		13.5	6.1	10.6	49.4	1.7	13.5
2	15.0	4.5		3.8	12.7	26.5		1.0	11.5
3	6.0				7.6	44.1		1.2	
4					6.4				
5		5.5						2.9	
6									
7									
8									
9						0.8	6.3		
10	10.0					2.5	21.4	1.5	
11	9.0	5.5	35.6	20.5	8.9	1.3		1.4	10.5
12	8.0				10.2	1.5	2.5	1.7	3.0
13	6.0	3.5		19.0	3.8		20.6	1.2	17.0
14	8.0	9.8			12.7	16.7		1.3	
15	2.0				3.3				
16									
17									
18									
19									
20									
21	9.5								
22	8.5								
23	7.0								
24		3.5						2.3	
25	3.0	6.0		18.9		3.4		4.2	25.3
26		18.0	39.6	32.2	12.7	37.5	16.4	2.6	15.0
27	6.0	8.5		6.5	6.4	21.5	10.5	1.1	5.2
28		1.5		10.2	5.1	1.5		1.3	5.6
TOTAL	108.0	78.3	75.2	124.6	95.9	147.9	127.1	25.4	106.6

TABLE 15-CONTINUED FEBRUARY 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	SANAT	BIN-KIRD	SER-SANK	BAIJI	ANA	TUZ	ALMA-SOCR	HIT	BAKRA-JO	JALAW-LAA	PEN-JWIN
1	40.4	19.9		0.9			7.0		21.8		8.0
2	52.1	2.9	58.4			6.9			4.6	9.7	25.0
3											6.0
4		2.6			9.0				8.5		10.0
5										2.0	6.0
6											
7											
8											
9											22.0
10	20.7	15.4		15.0	20.0		6.0	14.6	23.2		
11		6.0				40.6			9.5	14.0	
12	6.2	0.7									
13		25.2	9.1	2.2					13.6		
14	32.5		1.0								
15	10.9										
16	12.7										
17											
18											
19											
20											
21											
22											
23			1.3								
24		7.5		0.2		1.5	1.0			3.0	
25	12.3	52.1	35.6	4.6			6.0	2.3	24.5		
26	44.2	32.8	1.5	4.3		43.2	26.0		32.5	7.6	57.0
27	1.5	15.3	2.8	tr.		24.9			4.3	21.6	51.0
28	8.6	6.5	2.0						7.0		10.0
TOTAL	242.1	186.9	111.7	27.2	29.0	117.1	46.0	16.9	149.5	57.9	195.0

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	HAWI-JA	HIN-DIYA	KUT	AMARA	BADAA	GHABAI-SHIYA	KARBA-LAA	MANDI-LY	UR	MAQIL	QALAT-DIZA
1		5.5						10.0	2.3		10.0
2	4.8		2.3							3.3	
3				3.0					1.5		
4			2.0							0.5	5.0
5											
6											
7											
8											
9					7.0						
10		4.0	1.3	5.0					4.6		15.0
11	12.4					13.2				1.0	5.0
12											15.0
13											15.0
14	4.2										
15											
16											
17											
18											
19											
20											
21											
22											
23											
24		2.5			30.0						20.0
25	10.4	7.5		29.5	7.0				22.4		50.0
26	2.7	0.4	0.8	16.0			2.5	34.0	5.3	4.3	16.0
27	3.9		0.4	10.5						1.5	22.0
28			0.2							0.8	3.5
TOTAL	38.4	19.9	7.0	64.0	44.0	13.2	2.5	44.0	36.1	11.4	176.5

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	DOKAN	KOSEN-JANK	TAG-TAG	BARZAN-JA	KANI-SPEKA	AL-RUMMEL	BALEH	GALALA	KOUFRI
1		5.4	18.0				12.0		12.5
2		51.0					8.0	23.0	
3									
4			6.0						
5		5.0							1.2
6									1.6
7									
8									
9								22.0	
10	22.5	12.0	21.0		11.0			20.0	
11	8.0	13.0	6.0		13.0	1.0			27.3
12	11.0	3.0	3.0		2.0	tr.	7.0	15.0	1.2
13	20.0	5.0	14.0		13.0	tr.	1.0		
14		7.0				4.0	22.0		1.5
15							4.0		
16									
17									
18									
19									
20									
21									
22									
23									
24	4.5		4.0	tr.	6.0		7.6		3.0
25	53.5	22.0	46.0	27.4	22.0	4.0	5.5	9.0	
26	41.0	30.0	11.0	32.7	45.0	25.0	56.0	28.0	26.0
27	42.0	18.0	18.0	3.0	3.0	5.0	18.7	27.0	15.5
28	6.0	14.0	11.0	6.7	5.0		12.4		
TOTAL	208.5	185.4	158.0	69.8	120.0	39.0	154.2	144.0	89.8

TABLE 15-CONTINUED FEBRUARY 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	QADER-KARAM	AIN-SIFNY	IFRAZ	DARBAN-KHAN	MOKH-MOR	DIANA	
1		16.5		26.7	2.3	2.0	
2	14.3	17.4	14.0	18.9		17.3	
3							
4		3.0	1.1			1.0	
5				1.3			
6	1.6			7.5			
7							
8							
9		2.3					
10			6.8	10.8	7.5	9.5	
11	30.2	2.5	6.6	11.5		8.6	
12	1.5	14.3	2.0	1.0		1.0	
13		1.2	11.9	12.8	6.0	18.7	
14	3.1		0.2				
15	0.4					0.2	
16							
17							
18							
19							
20							
21							
22							
23		10.2				0.5	
24		8.3		2.8			
25	tr.	7.0	5.5	8.1	3.5	18.7	
26	32.9	8.3	15.9	30.3	12.0	23.6	
27	11.7	4.5	1.9	30.9		0.9	
28	20.5			11.0		0.5	
TOTAL	122.5	95.5	65.9	173.6	31.3	102.5	

TABLE 16

BAGHDAD AIRPORT

Month February

Year 1957

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M		1																							1
200 -500M										1/1															1
500 -1000M	1						1		1/1	1/1				1/1											5
1000 -1500M						1					1/1				1/1										3
1500 -3000M				1	4	1			1/1			1/1	2/2					1						1	12
3 -5KM	1				2	2		1/2								1		2							10
5 -10KM			1/2	2	12	10	1/9	1/3	1/3	1/2	1/1	1/1		1		9	10	4	5	1		1			76
10 -15KM	4	6	5	8	6	9	6	9	5	2	2	4	2	4	3	13	10	14	8	10	8	6	5	5	154
15KM	22	21	21	17	4	5	12	14	18	22	24	22	24	22	24	5	8	7	15	17	20	21	23	22	410
TOTAL	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	672

NOTE

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Different Heights
Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
50 -150M				1	1				1																3
150 -300M									1	1	2														4
300 -500M						1						1													2
500 -900M	1		2	1			1	1		1		1	3	1	1	2	2								19
900M	5	5	6	8	8	8	8	6	6	7	10	13	11	11	12	10	8	6	5	4	6	6	6	6	181

TABLE 16-CONTINUED

BASRAH AIRPORT

Month February

Year 1957

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M				1																					1
>500 -1000M																									
>1000 -1500M																		1/1							1
>1500 -3000M		1	1		2	2		1/1	1/1	1/1	1/1	1/1					1/1		1/1	1/1					14
>3 -5KM	1/1	1/1			2	1	1						1								1/1	1/1	1/1	1/1	11
>5 -10KM	1		1/1	2	4	8	2			2/2	1/1	1/1	2/2	2/2	1/1	1	1					2	1		32
>10 -15KM	3	4	3	3	7	3	7	6	5	1	2	1	1		2	3	1	4	3	3	3	2	3	4	74
>15KM	23	22	23	22	13	14	18	21	22	24	24	25	24	26	25	24	25	23	24	24	24	23	23	23	539
TOTAL	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	672

Note

In fields containing two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency Of Different Heights
Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M							1																		1
>150 -300M								1	1	1															3
>300 -500M											2	1													3
>500 -900M	1	1	1				1	1	2	2	1	2	3	2	1				1	1					20
>900M	2	2	2	7	10	10	8	8	6	6	6	7	8	7	7	6	5	3	2	3	3	3	3	3	127

TABLE 17

(18)

Month February

Year 1957

BAGHDAD AIRPORT

Simultaneous Occurrences Of

Specified Visibility Ranges and Specified Lowest

Cloud Base (≥ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			> 5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																			1										1	
																				1										1
>150-300																														
																						1						1		
																								1						1
>300-500																														
>500-900	1																						1				1	1	1	1
																							1	1	1	2		1	3	1
			1																					3			4			8
< 5/8 OR *									1					1		1				1	9	4	7	6	22	17	11	27	26	27
>900				1			1							2				1	2		9	1	1	12	21	22	5	26	25	27
AND ≥ 5/8						1			2						3			2	5	1	27	8	6	45	15	21	134	28	28	214
	1								1					1		1				2	9	4	8	6	22	17	12	28	28	28
TOTAL				1			1							2				1	2		9	2	2	13	22	24	5	28	28	28
			1			1			2						3			2	5	1	28	8	6	49	15	21	138	28	28	224

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 17-CONTINUED

Month February
Year 1957

BASRAH AIRPORT

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≧ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																							1							1
																							1							1
>150-300																														
																									1			1		
																										1				1
>300-500																														
>500-900																									1		1	1		1
																									2	3		2	3	
																									1		8	1		8
<5/8 OR *					1											1		1	1	2	2	3	3	6	22	22	17	27	28	26
> 900													1				1		2	2	1	1	1	3	21	21	24	25	25	28
AND ≧ 5/8						1							1		2		1	4		2	12	3	2	22	23	23	173	27	28	214
					1											1		1	1	2	2	3	3	7	23	22	18	28	28	28
TOTAL													1				1		2	2	1	1	1	3	24	24	24	28	28	28
						1							1		2		1	4		2	12	3	2	23	24	23	182	28	28	224

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06	
09	12	15	G.M.T.
18	21	To	

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

MAR 1957

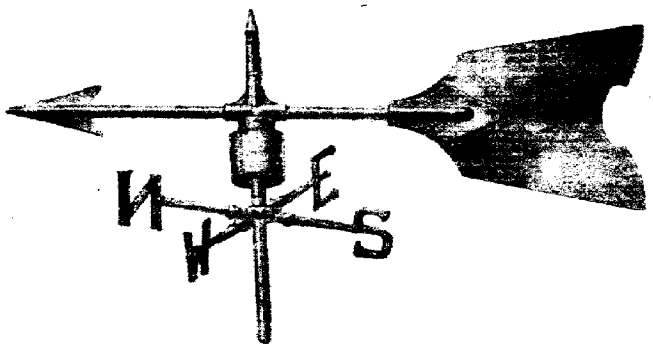
الحكومة العراقية

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

التقرير الجوي الشهري
للعراق
بغداد



GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REPORT FOR IRAQ

BAGHDAD.

MARCH 1957

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C O N T E N T S

TABLE		PAGE
-	MAP WHOWING ALL METEOROLOGICAL STATIONS.	SEE JANUARY
1	MEAN DAILY TEMPERATURES.	1
2	MONTHLY MEAN GRASS MIN. TEMPERATURES, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES.	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE.	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE WIND.	6-8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS.	10-15
16	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE.	16-17
17	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE.	18-19

PREPARED AND PUBLISHED
BY THE IRAQ METEOROLOGICAL DEPARTMENT
CLIMATOLOGICAL SECTION.

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBA	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Height of Station above M.S.L. (IN METERS)
2. Hb. means Height of barometer cistern above M.S.L. (IN METERS)
3. Ha. means Height of anemometer above the ground. (IN METERS)

STATION	LATITUDE	LONGITUDE	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
ZORA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	180 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHUARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	-
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	-
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KIFRI	34 42 N.	44 57 E.	250 m.
IFRIZ	36 23 N.	43 48 E.	285 m.
QADAR KARAM	35 11 N.	44 53 E.	400 m.
MAKHMUR	35 46 N.	43 34 E.	450 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
KAI SANJAC	36 05 N.	44 38 E.	600 m.
TAG TAG	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
TUZ	34 53 N.	44 39 E.	220 m.
ANA	34 28 N.	41 27 E.	-
DIALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
MANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	-
SAMAWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

TABLE 1 MARCH 1957

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBA	HAI	DIWANIYA	NASIRIYA	BASRAH
1	17.4	13.8	14.5	16.1	16.3	16.8	16.5	16.9
2	18.5	14.6	15.9	17.6	18.4	18.6	18.2	18.5
3	17.9	14.1	15.9	17.4	18.0	18.8	18.8	19.3
4	19.0	14.5	16.7	14.1	18.8	20.1	20.8	20.0
5	19.2	13.3	13.9	12.5	19.5	19.4	20.7	20.9
6	16.6	12.5	13.3	9.1	17.6	19.5	19.3	20.5
7	12.3	8.8	9.1	8.6	13.6	13.8	13.9	16.1
8	14.1	9.9	10.5	9.7	14.3	14.2	14.5	15.9
9	15.4	10.1	11.4	11.6	14.6	15.9	15.7	16.6
10	14.4	11.8	12.6	11.8	15.4	15.2	17.1	18.1
11	15.8	10.6	11.8	10.9	17.0	19.9	18.4	19.7
12	16.7	9.9	11.7	10.4	17.4	17.5	19.0	20.5
13	14.9	10.3	11.4	10.9	16.8	15.8	19.0	20.9
14	13.3	9.5	8.9	9.6	14.6	13.4	16.1	18.6
15	11.5	9.2	8.3	7.4	13.9	12.6	14.9	17.5
16	12.2	10.0	10.3	9.6	13.1	12.8	13.8	15.2
17	14.2	11.2	11.2	13.3	14.7	14.9	15.7	15.9
18	16.8	12.0	13.4	16.0	16.6	17.3	18.4	18.6
19	17.8	13.6	14.8	14.9	18.0	17.8	18.3	19.1
20	19.3	14.4	16.8	17.6	19.5	18.6	19.6	19.3
21	21.9	17.6	19.5	17.3	20.5	21.4	21.7	21.0
22	19.8	17.3	18.5	17.8	20.2	21.1	23.2	21.9
23	19.3	18.4	19.5	15.3	18.8	19.5	21.6	20.6
24	19.3	16.3	18.2	12.1	18.9	18.9	20.5	20.9
25	17.8	14.7	13.7	12.6	18.0	20.5	19.9	19.6
26	18.3	15.2	14.9	13.8	18.4	18.2	18.7	19.3
27	17.4	9.5	12.4	14.8	18.3	18.9	20.7	20.0
28	17.1	11.1	10.9	12.4	19.3	19.2	22.6	22.5
29	15.0	10.1	11.4	11.4	17.6	17.8	19.2	19.9
30	19.3	12.1	15.1	13.8	21.2	22.3	23.3	22.8
31	17.3	13.0	13.1	13.1	17.6	15.8	18.6	20.1
MEANS	16.8	12.6	13.5	13.0	17.3	17.6	18.7	19.2

TABLE 2

STATION	MONTHLY MEAN TEMPERATURES: GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	17.2	17.3	.....
MOSUL	6.2	14.1	15.1	.....
KIRKUK	8.5	14.4	15.0	.....
HAI	10.3	....	....	.....
BASRAH	9.4	.....	....	268.2
HABBANIYA	9.3	18.5	18.5	215.9

NOTE: TEMPERATURES ARE IN CENTIGRADE.

TABLE 3 MARCH 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	24.7	10.3	20.6	9.2	19.4	10.6	23.7	10.0	27.2	10.0
2	25.9	10.8	23.1	6.0	22.5	10.4	26.6	10.3	27.8	11.1
3	21.8	14.4	17.1	12.7	19.4	12.7	25.8	12.3	23.9	15.5
4	24.2	14.4	18.3	11.7	22.4	13.9	27.0	15.7	27.2	13.9
5	25.2	14.7	16.3	11.9	17.7	11.8	27.3	14.1	25.0	14.4
6	21.7	14.7	16.4	11.0	16.0	11.4	26.5	16.7	18.9	12.2
7	18.2	6.2	14.4	6.2	12.6	6.2	20.4	12.8	18.3	6.1
8	20.7	8.4	16.2	4.2	15.2	7.1	22.7	9.2	20.0	7.2
9	22.2	7.6	17.8	3.2	16.6	5.8	23.5	9.4	21.6	5.5
10	18.8	10.0	18.8	5.0	17.6	9.1	25.8	10.8	18.3	8.9
11	21.2	11.0	14.5	8.9	15.0	8.4	26.7	13.6	22.2	7.8
12	20.7	9.7	12.8	6.4	16.3	9.2	28.5	15.0	19.4	10.0
13	20.9	9.0	15.2	7.6	16.6	8.8	29.0	14.7	21.6	10.0
14	17.4	10.7	13.4	7.4	10.4	8.4	22.0	16.8	17.8	11.6
15	17.3	8.8	14.0	8.6	11.8	7.5	23.7	11.6	17.8	9.4
16	18.6	7.0	17.2	3.6	15.0	4.6	19.5	11.5	18.9	7.2
17	21.2	6.2	17.9	3.6	15.4	5.7	21.8	9.3	21.6	7.2
18	23.3	9.4	19.1	7.0	19.1	10.0	26.0	10.4	23.3	10.5
19	25.2	9.4	22.0	5.6	20.4	8.9	25.3	11.2	24.4	10.5
20	27.2	11.1	23.7	7.6	23.5	9.5	26.6	12.5	29.4	12.2
21	28.6	15.6	25.0	12.3	25.1	13.6	29.2	13.0	28.9	13.9
22	24.1	18.2	25.6	10.0	25.2	15.1	28.6	17.2	22.8	20.0
23	26.6	14.4	25.8	14.4	26.0	15.3	26.2	15.1	28.3	13.9
24	23.7	14.8	20.9	13.8	24.0	13.4	29.3	15.8	24.4	15.0
25	24.3	15.0	17.3	13.5	15.2	13.2	24.1	15.9	23.9	13.9
26	24.4	12.6	22.0	12.2	20.3	12.0	23.4	15.5	23.9	12.2
27	24.5	9.6	16.3	2.6	17.6	7.1	26.1	14.2	24.4	10.0
28	23.7	12.8	16.9	7.7	15.2	8.9	30.5	14.2	22.8	10.5
29	20.8	8.8	18.3	-0.2	17.0	3.9	28.5	15.3	20.5	8.9
30	28.7	9.8	15.6	9.4	21.1	10.8	30.2	17.4	26.6	10.0
31	22.9	14.4	19.9	8.7	17.4	10.9	22.4	19.5	22.8	13.9
MEANS	22.5	11.3	18.5	8.1	18.3	9.8	25.7	13.6	23.0	11.1
NORMAL	21.8	9.0	18.9	5.4	18.5	7.3	24.1	12.6	22.6	9.1

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	32.2	27th. 31st.	1944 1952	-2.8	5th.	1952
MOSUL	30.5	19th.&23rd.	1925	-3.9	3rd.	1948
KIRKUK	30.0	31st.	1952	-5.6	14th.	1945
BASRAH	35.0	27th.	1944	2.2	2nd.	1948
HABBANIYA	36.1	23rd.	1937	-2.8	1st.	1938

TABLE 3-CONTINUED (3) MARCH 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBA		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	22.2	8.9	25.8	6.0	23.9	8.6	26.4	7.6	24.4	9.6
2	25.0	8.9	28.7	10.0	25.5	8.6	28.9	8.2	27.0	9.6
3	21.7	10.0	25.3	11.3	23.4	11.2	26.3	13.0	26.4	12.4
4	26.7	13.9	18.6	9.5	26.2	13.8	29.2	13.0	26.4	16.6
5	21.2	13.9	19.3	9.0	25.8	14.2	28.5	13.6	26.7	15.2
6	24.3	13.9	14.7	4.8	23.5	15.4	25.4	14.9	26.3	17.6
7	15.6	7.8	15.0	3.1	19.5	9.3	21.0	7.7	20.8	9.6
8	19.0	8.3	16.3	4.2	21.6	7.9	23.2	5.4	23.0	6.7
9	18.6	6.1	20.0	4.0	22.4	7.8	23.2	6.8	23.0	8.3
10	19.5	5.5	20.0	6.5	22.0	8.0	25.0	8.8	23.7	9.6
11	20.0	7.8	17.5	5.4	23.2	11.4	27.0	10.6	25.1	13.0
12	20.0	10.0	17.5	6.0	24.2	13.6	24.0	12.5	25.6	13.9
13	20.0	8.7	17.6	5.0	22.0	11.3	22.7	8.5	25.3	14.0
14	11.1	9.5	15.5	5.0	19.4	12.4	20.0	11.2	22.6	13.4
15	15.6	8.0	12.5	4.0	21.6	7.7	21.3	5.0	23.6	9.0
16	17.8	9.5	17.3	3.0	18.6	7.2	19.3	7.0	19.2	10.0
17	19.3	5.5	21.5	3.5	22.8	6.6	24.0	6.0	24.7	7.3
18	20.6	9.0	20.5	4.2	24.7	9.6	26.8	7.4	28.2	10.0
19	20.6	8.0	23.4	6.2	24.7	11.4	25.2	7.5	25.8	10.6
20	24.4	9.4	27.0	9.5	27.4	11.6	27.9	10.0	28.5	12.2
21	26.7	11.7	28.0	8.5	28.1	13.2	30.7	10.9	30.2	12.6
22	26.1	11.7	23.0	14.3	26.3	16.1	28.0	18.4	30.1	20.0
23	26.1	14.4	21.0	12.6	25.6	13.7	27.4	13.0	30.2	16.6
24	26.7	14.0	15.0	10.0	23.8	15.2	27.9	16.2	26.7	16.2
25	21.1	14.0	16.8	8.0	24.2	15.6	24.4	15.0	27.1	16.6
26	22.2	11.1	19.7	9.8	24.3	12.5	25.4	11.4	24.6	13.6
27	22.8	13.0	20.0	6.6	25.6	12.1	26.8	11.7	28.6	13.4
28	20.0	11.1	20.0	5.4	27.8	11.4	29.0	10.2	32.3	14.4
29	20.0	5.5	17.2	3.0	24.6	11.4	25.8	11.2	27.1	11.5
30	29.0	11.7	21.0	7.6	28.5	11.4	32.8	11.9	31.4	15.6
31	14.4	11.2	18.7	8.0	21.1	12.4	22.2	13.0	23.7	14.6
MEANS	21.2	9.7	19.8	6.9	23.9	11.4	25.7	10.6	26.1	12.7
NORMAL	20.6	8.3	19.6	5.3	23.3	10.6	23.4	8.5	24.0	10.8

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	31.6	14th. &27th.	1944	-2.2	14th.	1945
RUTBAH	35.0	18th.	1931	-6.1	14th.	1940
HAI	33.3	14th.	1944	0.0	8th.	1943
DIWANIYA	36.1	14th.	1944	-2.2	8th.	1943
NASIRIYA	33.9	27th. & 31st	1942 1952	0.5	9th. &18th.	1943 1948

TABLE 4 MARCH 1957

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.1	12.1	15.7	20.3	21.4	19.6	16.4	14.6	16.7
MOSUL	9.5	8.9	11.5	15.6	17.0	15.4	12.3	10.6	12.6
KIRKUK	11.2	10.8	13.8	16.1	17.0	14.9	12.9	11.8	13.6
KHANAQIN	....	11.2	15.1	....	19.9	17.3	14.8	....	15.7
RUTBAH	8.2	6.9	11.3	16.7	19.2	17.4	12.8	10.3	12.9
HAI	13.0	12.2	17.1	22.1	22.8	19.8	16.3	14.5	17.2
DIWANIYA	12.5	11.1	17.7	23.0	24.8	20.8	16.2	14.2	17.5
NASIRIYA	14.5	13.3	18.0	23.5	24.9	21.3	18.1	15.8	18.7
BASRAH	15.5	14.6	18.9	23.7	24.6	21.9	18.5	16.9	19.3
HABBANIYA	12.9	11.9	15.1	19.7	21.9	20.0	16.3	14.4	16.6

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	10.7	9.9	11.8	13.9	14.3	13.3	12.2	11.2	12.5
MOSUL	8.3	7.9	9.8	12.2	12.4	11.9	10.3	9.1	10.2
KIRKUK	9.1	8.7	10.5	11.6	12.0	11.7	10.4	9.6	10.5
KHANAQIN	....	9.3	11.9	....	13.6	13.5	12.0	....	12.1
RUTBAH	5.8	5.2	7.5	9.7	10.3	9.9	8.2	7.0	8.0
HAI	10.9	10.4	13.4	15.1	15.0	14.0	12.6	11.6	12.9
DIWANIYA	9.4	8.7	12.9	14.8	14.8	13.1	11.6	10.4	12.0
NASIRIYA	11.6	10.9	13.5	15.1	15.4	14.8	13.7	12.6	13.5
BASRAH	13.7	13.2	15.7	17.2	17.6	16.5	15.4	14.7	15.5
HABBANIYA	10.8	10.1	12.1	14.0	14.4	13.8	12.6	11.7	12.5

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS AT M.S.L.) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.5	13.8	14.8	14.3	12.7	12.5	13.5	13.7	1013.6
MOSUL	15.2	15.3	16.3	15.5	13.8	13.7	14.7	15.1	1014.9
KIRKUK	14.5	14.9	15.3	14.9	13.2	13.5	14.7	14.6	1014.5
KHANAQIN	....	14.6	14.5	....	12.6	12.2	14.2	....	1013.6
RUTBAH	12.8	13.4	14.0	13.2	11.8	12.0	12.7	12.9	1012.9
HAI	13.4	13.8	15.0	14.5	12.9	12.9	13.9	13.7	1013.8
DIWANIYA	13.3	13.7	14.7	14.2	12.3	12.3	13.5	13.6	1013.5
NASIRIYA	13.0	13.4	15.0	14.3	12.1	12.4	13.6	13.4	1013.4
BASRAH	13.9	13.9	15.2	14.9	13.3	13.3	14.4	14.2	1014.1
HABBANIYA	13.3	13.4	14.7	14.3	12.5	12.2	13.4	13.7	1013.4

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	77	79	65	51	47	50	64	69	63
MOSUL	86	88	82	68	62	68	78	83	77
KIRKUK	77	78	70	61	58	69	74	77	71
KHANAQIN	..	78	67	..	48	61	72	..	65
RUTBAH	72	77	61	42	33	39	53	63	55
HAI	79	81	67	47	44	53	66	72	64
DIWANIYA	68	74	55	40	38	43	58	63	55
NASIRIYA	72	76	61	41	36	50	62	70	59
BASRAH	81	85	70	50	41	55	72	78	67
HABBANIYA	76	80	68	52	41	48	64	72	63

TABLE 8 MARCH 1957

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.6	11.1	11.4	11.8	11.8	11.5	11.7	11.4	11.5
MOSUL	10.4	10.3	11.2	12.0	11.7	11.8	11.3	10.7	11.2
KIRKUK	10.3	10.0	10.8	10.8	10.9	11.7	11.0	10.6	10.8
KHANAQIN	....	10.3	11.5	....	10.7	11.9	12.0	....	11.3
RUTBAH	7.8	7.8	8.1	7.8	7.1	7.4	8.1	7.9	7.7
HAI	11.9	11.5	13.0	12.6	12.0	12.2	12.3	11.9	12.2
DIWANIYA	9.9	9.9	11.9	11.9	10.6	10.3	10.5	10.3	10.7
NASIRIYA	12.0	11.7	12.5	11.6	11.4	12.7	12.9	12.4	12.2
BASRAH	14.3	14.3	15.5	14.6	14.7	14.7	15.2	15.2	14.8
HABBANIYA	11.4	11.1	11.8	11.6	10.6	11.1	11.7	11.8	11.4

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.8	8.2	8.6	9.0	8.8	8.3	8.9	8.6	8.6
MOSUL	7.1	7.0	8.2	9.4	8.8	9.0	8.5	7.7	8.2
KIRKUK	7.2	6.8	7.9	7.8	7.8	9.0	8.1	7.6	7.8
RUTBAH	3.1	2.9	3.4	2.5	1.5	1.5	3.7	3.2	2.7
HAI	9.2	8.8	10.8	10.0	9.1	9.6	9.8	9.3	9.6
DIWANIYA	6.4	6.4	9.1	8.4	7.5	6.9	7.6	7.0	7.2
NASIRIYA	9.3	9.1	10.0	9.0	8.3	10.2	10.5	9.8	9.5
BASRAH	12.1	12.0	13.2	12.2	12.2	12.3	12.9	13.0	12.5

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.8	1.5	1.8	2.2	3.3	2.0	1.0	0.9	1.7
MOSUL	4.1	4.8	4.1	3.5	4.3	4.2	2.7	3.2	3.9
KIRKUK	3.3	3.6	3.5	3.8	4.1	4.1	3.3	3.5	3.7
KHANAQIN	...	3.2	2.6	...	5.3	4.4	3.2	...	3.7
RUTBAH	2.1	2.1	2.2	2.9	3.4	3.2	2.6	2.2	2.6
HAI	1.7	1.6	1.3	1.8	2.6	2.4	1.9	1.5	1.9
DIWANIYA	1.0	1.1	1.0	2.0	2.4	1.3	0.6	1.0	1.3
NASIRIYA	1.1	1.3	0.9	1.3	1.9	2.2	1.3	1.1	1.4
BASRAH	0.3	0.4	0.4	0.8	1.3	0.6	0.4	0.4	0.6
HABBANIYA	0.5	0.8	1.4	2.1	2.2	1.6	0.8	0.8	1.3

TABLE 11

MONTHLY MEAN TOTAL CLOUD AMOUNT (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	3.3	4.8	4.9	5.5	6.0	5.2	3.6	3.0	4.5
MOSUL	5.3	6.2	5.8	6.0	6.5	6.5	4.3	4.4	5.6
KIRKUK	4.3	4.8	5.0	5.6	6.2	5.9	4.4	4.5	5.1
KHANAQIN	...	5.2	4.4	....	6.4	6.4	4.1	...	5.3
RUTBAH	2.9	3.5	4.5	4.8	5.1	5.0	3.7	3.5	4.1
HAI	3.0	3.8	3.9	4.7	5.3	4.9	3.5	3.0	4.0
DIWANIYA	1.8	3.3	3.8	4.2	3.4	4.4	1.5	1.8	3.0
NASIRIYA	2.5	3.3	3.3	3.8	4.2	4.0	2.4	2.2	3.2
BASRAH	2.2	3.2	3.5	3.3	3.6	3.0	2.1	1.8	2.8
HABBANIYA	3.9	4.5	4.8	4.9	5.5	4.7	3.8	3.5	4.5

TABLE 12 MARCH 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

BAGHDAD

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	3	8	7	5	2	1	3	0	25	6	0	0	7
0300	1	0	8	8	4	0	3	7	0	24	6	1	0	8
0600	3	3	8	3	6	0	5	2	1	24	6	0	0	7
0900	3	0	3	9	5	1	5	5	0	21	10	0	0	9
1200	4	0	2	6	4	2	6	7	0	19	12	0	0	10
1500	5	4	8	5	1	0	4	4	0	21	10	0	0	9
1800	7	4	2	12	2	0	2	2	0	25	6	0	0	8
2100	1	4	5	10	2	1	4	4	0	25	6	0	0	7
TOTAL	26	18	44	60	29	6	30	34	1	184	62	1	0	8

MOSUL

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	5	10	0	2	2	4	0	5	20	4	2	0	6
0300	5	2	8	3	1	0	4	1	7	20	4	0	0	5
0600	4	8	9	2	3	0	1	2	2	25	4	0	0	6
0900	3	7	11	4	2	0	2	1	1	17	12	1	0	10
1200	2	5	8	3	8	1	3	1	0	16	12	3	0	12
1500	4	6	9	3	1	2	4	2	0	23	8	0	0	8
1800	6	3	8	1	1	1	7	2	2	21	8	0	0	7
2100	10	1	8	2	0	1	2	1	6	24	1	0	0	4
TOTAL	37	37	71	18	18	7	27	10	23	166	53	6	0	7

KIRKUK

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	1	15	9	3	2	0	0	1	0	28	3	0	0	6
0300	1	13	9	4	2	0	0	1	1	27	3	0	0	6
0600	3	3	5	10	4	0	1	3	2	22	7	0	0	6
0900	1	3	2	8	10	2	2	2	1	25	5	0	0	7
1200	2	3	2	4	10	4	3	2	1	21	9	0	0	8
1500	1	1	6	5	5	3	7	2	1	26	4	0	0	6
1800	2	12	6	5	4	0	0	1	1	26	4	0	0	6
2100	2	12	9	5	3	0	0	0	0	27	4	0	0	7
TOTAL	13	62	48	44	40	9	13	12	7	202	39	0	0	6

KHANAQIN

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	0	0	14	2	2	0	0	2	11	20	0	0	0	4
0600	0	0	7	1	4	0	1	0	18	13	0	0	0	3
0900	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1200	1	0	2	0	8	0	6	4	10	16	4	1	0	6
1500	1	1	2	2	8	0	2	1	14	14	3	0	0	4
1800	0	0	8	0	2	0	2	1	18	11	2	0	0	3
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	2	1	33	5	24	0	11	8	71	74	9	1	0	4

TABLE 12-CONTINUED MARCH 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≧34	V.K.
0000	0	1	3	0	4	3	8	1	11	16	4	0	0	5
0300	0	2	3	1	4	6	8	2	5	21	5	0	0	10
0600	4	1	4	1	3	8	8	2	0	22	8	1	0	9
0900	0	3	3	2	4	5	10	4	0	20	11	0	0	10
1200	3	2	3	1	3	3	9	5	2	15	13	1	0	11
1500	4	3	2	1	4	3	10	3	1	21	9	0	0	9
1800	4	3	3	1	3	2	7	2	6	22	1	2	0	6
2100	2	1	2	1	5	4	9	0	7	19	4	1	0	6
TOTAL	17	16	23	8	30	34	69	19	32	156	55	5	0	8

HAI

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≧34	V.K.
0000	0	4	8	4	0	0	5	1	9	13	8	1	0	7
0300	0	1	11	2	1	0	7	1	8	16	7	0	0	7
0600	0	0	16	2	1	0	7	2	3	17	11	0	0	9
0900	0	0	14	5	0	1	7	2	2	14	15	0	0	11
1200	0	1	11	2	2	2	10	2	1	16	13	1	0	10
1500	0	2	9	1	1	1	9	2	6	16	9	0	0	7
1800	0	0	8	4	0	1	8	1	9	14	7	1	0	7
2100	0	1	11	2	1	0	7	0	9	16	6	0	0	7
TOTAL	0	9	88	22	6	5	60	11	49	122	76	3	0	8

DIWANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≧34	V.K.
0000	6	1	8	7	2	4	0	0	3	21	7	0	0	7
0300	4	0	10	5	2	1	4	1	4	24	3	0	0	5
0600	3	0	8	6	2	1	10	0	1	19	11	0	0	9
0900	3	0	3	5	4	2	12	1	1	14	16	0	0	10
1200	2	1	5	5	3	2	11	2	0	15	16	0	0	11
1500	6	1	6	5	1	0	7	3	2	24	5	0	0	8
1800	7	3	8	6	2	0	4	0	1	22	8	0	0	7
2100	4	3	7	10	3	0	3	0	1	23	6	1	0	8
TOTAL	35	9	55	49	19	10	51	7	13	162	72	1	0	8

NASIRIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≧34	V.K.
0000	2	2	7	6	7	3	1	2	1	23	6	1	0	8
0300	1	1	7	5	6	1	5	5	1	23	1	0	0	7
0600	1	0	4	4	9	0	5	6	2	16	11	2	0	11
0900	2	1	5	5	6	0	6	6	0	15	13	3	0	12
1200	3	1	6	4	2	1	7	7	0	17	12	2	0	11
1500	2	6	10	3	0	0	3	7	0	19	12	0	0	10
1800	2	3	6	7	1	0	1	6	5	17	8	1	0	8
2100	1	3	9	10	3	0	1	4	0	22	9	0	0	8
TOTAL	14	17	54	44	34	5	28	43	9	152	78	9	0	9

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

B A S R A H

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	0	1	3	0	4	3	8	1	11	16	4	0	0	5
0300	0	2	3	1	4	6	8	2	5	21	5	0	0	10
0600	4	1	4	1	3	8	8	2	0	22	8	1	0	9
0900	0	3	3	2	4	5	10	4	0	20	11	0	0	10
1200	3	2	3	1	3	3	9	5	2	15	13	1	0	11
1500	4	3	2	1	4	3	10	3	1	21	9	0	0	9
1800	4	3	3	1	3	2	7	2	6	22	1	2	0	6
2100	2	1	2	1	5	4	9	0	7	19	4	1	0	6
TOTAL	17	16	23	8	30	34	69	19	32	156	55	5	0	8

H A B B A N I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	1	4	9	4	1	2	6	2	2	23	6	0	0	6
0300	3	5	7	2	2	1	2	6	3	23	5	0	0	7
0600	3	1	7	4	3	3	5	4	1	23	7	0	0	8
0900	3	2	5	2	6	1	7	5	0	17	14	0	0	10
1200	4	3	4	3	5	2	7	3	0	22	8	1	0	9
1500	4	5	7	3	2	1	6	1	2	19	10	0	0	8
1800	6	5	6	3	0	0	5	1	5	16	9	1	0	8
2100	3	3	6	5	2	2	2	2	6	19	6	0	0	6
TOTAL	27	28	51	26	21	12	40	24	19	162	65	2	0	8

TABLE 13

NUMBER OF CASES OF :-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	13	0	5	9	0	2	1	6
MOSUL	18	0	2	7	3	0	0	11
KIRKUK	14	0	2	8	0	0	1	11
KHANAQIN	11	0	0	3	0	0	0	11
RUTBAH	10	0	0	3	1	2	6	5
HIT	11	0	0	16	1	0	4	5
DIWANIYA	5	0	1	2	0	2	12	7
NASIRIYA	6	0	0	7	0	4	8	10
BASRAH	7	0	1	3	0	0	11	2
HABBANIYA	12	0	2	9	0	0	1	6

NOTE: V.K. MEAN WIND VELOCITY IN KNOTS.

TABLE 14 MARCH 1957

DAILY PRECIPITATION UNIT (MILLIMETERS, tr. 0.05 mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	KHANA-QIN	HABBA-NIYA
1										
2		2.4		0.3						0.1
3	tr.	15.0	0.2		tr.					1.0
4	0.7	4.2	29.0	tr.	1.3	tr.		0.1	1.6	4.6
5	2.9	13.1	20.1	3.5	1.1		[illegible]	0.4	9.2	1.4
6	2.6	8.2	5.1		10.5	1.0	11.2	1.9	76.3	2.0
7		1.4	5.4	tr.						
8		0.9								
9										
10	0.8	5.1	2.1	0.5	0.8	3.6	5.9		1.2	0.9
11	10.3	1.7	6.8	1.1	2.8		0.2	tr.	3.0	9.6
12	8.5	5.2	tr.	tr.					6.0	3.6
13	19.0	11.1	19.6	0.4	tr.	0.7				5.6
14	1.5	4.6	15.5	tr.					26.0	tr.
15	9.4	8.9	13.7	0.2	1.2	tr.	0.8	4.8	20.3	21.5
16										
17		5.5	tr.							
18										
19										
20										
21										tr.
22	1.1	tr.	tr.	0.7	tr.	tr.		tr.		0.9
23	0.9	10.2	4.8	2.7	0.7	tr.	0.1	0.2	2.5	
24	0.3	3.3	13.0	25.0	1.7	4.5		14.6		1.5
25	tr.	8.7	27.8	4.2	8.3	tr.	1.0	5.1	1.0	tr.
26		tr.								
27			tr.							
28			tr.				tr.			
29		0.1	tr.							
30	0.9	2.0	2.5	tr.	8.5	9.0	4.4	0.9		0.7
31					0.2			tr.	51.0	
TOTAL	58.9	111.6	165.6	37.6	37.1	18.8	23.8	28.0	198.1	53.4

TABLE 15 MARCH 1957

DAILY PRECIPITATION FOR SELDCTED STATIONS UNIT (MILLIMETERS)

DATE	ZAKHO	AMADIA	AQRA	RAWAN-DUZ	TEL AWINAT	SINJAR	TELAA-FAR	ARBIL	CHAMCHA-MAL
1			12.6						6.0
2	20.0	8.0	40.5			41.8			
3	25.0	20.5	40.4	20.0	20.6	8.9	16.0		9.7
4	16.5	32.0	40.2	40.0	16.5	4.2	9.0	5.6	
5	15.0	16.8	48.3	35.0		8.4		17.3	8.0
6		24.0	40.2	30.0	4.8	2.2	19.5	23.3	
7		19.5	45.6	19.0	11.7	1.7	10.0	14.3	6.0
8			40.2	36.0					
9	12.0	11.3	45.3						
10	8.0	3.3	40.2	13.0		13.3			9.0
11	20.0	5.6	40.3		8.1	4.2	7.0		
12	9.0	8.6	44.6	13.0		0.3			10.0
13	16.5		45.7	31.0	7.6	22.9	3.5	8.2	
14		10.0	44.8	11.0	17.5	2.4	8.5	13.2	12.0
15		0.6	40.2	2.0		0.7		4.0	
16			43.3					4.4	
17		4.7		5.0					8.0
18		3.0		12.0	7.1		3.3	5.6	
19			44.4						
20			35.6						7.0
21									6.0
22	10.0			6.0					4.0
23		18.2		12.0		3.9			
24	18.0	19.5	30.7	30.0	16.5	10.1	12.0	3.0	
25	14.0	3.0	42.7	6.0	24.6	0.4	90.0	5.0	5.0
26		2.5	35.4	17.0	11.9			10.0	4.0
27									8.0
28									7.0
29						2.2			6.0
30		3.0	20.4	10.0					5.0
31		0.9		3.0				4.3	9.0
TOTAL	184.0	215.0	861.5	351.0	146.9	127.6	178.8	118.2	129.7

TABLE 15-CONTINUED MARCH 1957 (

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	SULAI-MANIYA	PENJWIN	BAKRAJO	HALABJA	IFTI-KHAR	CHU-UARTA	SALAH-ALDDIN	RAYAT	SANAT
1	7.3	18.0					8.9	4.6	
2								10.6	
3						1.1	10.7		45.1
4	1.7		15.5	5.5	16.5	20.9		25.5	32.4
5	14.2	28.0	22.0	21.0	22.9	23.3	37.6	24.9	31.9
6	29.8	38.0	18.0	31.0	8.9	22.0	24.6	20.8	24.1
7	25.3	44.0	21.8	19.0		16.2	17.8	16.3	18.3
8	21.0	23.0	3.3	1.5		6.0	8.4	3.8	34.9
9	10.8							1.4	7.4
10			7.2	7.0	2.5	3.3		3.5	
11	8.0	20.0	12.5	9.0	16.5	25.5		4.2	15.2
12	15.3	46.0	19.8	13.0	-	17.7	5.1	1.4	20.3
13	12.4	14.0	14.3	16.0	9.9	20.0	7.6		12.7
14	11.0	22.0	17.0	22.5	36.8	19.0	23.6		22.0
15	14.8	28.0	13.5	5.0	35.6	9.0	10.2		12.6
16	10.0		9.0						2.5
17						5.0			20.0
18	1.7	12.0		4.5		29.5	12.7	5.7	
19	11.7	33.0					10.2	3.5	
20								4.6	
21									
22									
23	1.4		9.8	2.0		3.5	5.8		
24	13.2		4.4	4.0	23.6	14.4	8.9	9.3	
25	1.1	15.0	3.7	2.0	52.1	7.1	5.3	26.3	3.7
26	2.0		1.8	2.5		5.6		1.5	6.9
27	3.6			3.5		3.1		7.5	1.7
28		25.0	3.7			5.7			3.2
29	3.8								2.8
30		30.0	60.3	55.0	2.5	68.6		9.3	3.3
31	32.5	45.0	6.5	15.0		11.9	5.1	12.5	
TOTAL	252.6	441.0	264.1	239.0	227.8	336.5	200.5	197.2	321.0

TABLE 15-CONTINUED MARCH 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	QALAT-DIZA	JALAW-LAA	MANDILY	KAR-BALA	HIN-DIYA	KUT	AMA-RA	BADAA	UR	GHABI-SHIYA	MA-QIL
1											
2											
3	6.0				0.8						
4	29.5					0.3		9.0			
5	55.0	6.4	13.5		7.0	2.0					
6	15.5	7.1	10.5	5.6			8.5		13.2		
7	26.9	50.8				12.0					4.1
8	1.0										
9											
10	16.0				2.5	2.2			15.7		
11	17.0										
12	29.5	12.2				1.7					
13	27.5		26.5		9.3	1.0		5.0			
14	22.5	14.0	23.5	14.0		2.2					
15	7.5	16.5			3.9		1.6				
16		7.6								[illegible]	3.0
17	17.0										
18											
19											
20											
21											
22											
23	20.0						2.0	9.0			
24	15.0						11.0				
25	1.0		22.5			11.0	11.0			7.6	14.0
26	2.0										3.0
27	5.5										
28	1.5										
29											
30	15.0		46.5		1.0						
31	6.5	30.5					1.0	3.0			0.8
TOTAL	336.5	145.1	143.0	19.6	24.5	32.4	35.1	26.0	28.9	7.6	24.9

TABLE 15-CONTINUED MARCH 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	HAWIJA	DUHOK	MIRZA-RUSTAM	SHAQL-WA	SERSA-NAK	BAIJI	TUZ	ANA	AL MANSOOR	HIT
1										
2	0.3				5.1	1.2				
3	1.8	23.3	[illegible]	14.0	11.4	3.2				1.5
4	26.4	15.0	2.4	20.0	9.1	31.5				
5	38.8	10.8	4.8	29.0	5.8	17.5	22.9	10.0		1.1
6	2.5	13.6	1.0	22.0	7.4	3.6	7.9	10.0		
7	0.9	4.2	2.1	12.0	10.7	tr.			76.7	
8		7.6		1.0	0.3					
9		4.6								
10	0.9	10.5	1.0	6.0	5.6	2.1				
11	1.6	2.5	0.8	2.0	1.8	3.9	2.8			
12		6.7	2.0	8.0	1.8		22.6		30.5	
13	7.4	5.4	3.4	24.2	5.6					7.5
14	9.4	4.2	3.0	7.0	5.3	6.8	6.4		45.7	
15	7.0	26.7	0.3		1.0	0.4	31.8		30.5	1.3
16			0.2		2.0		13.2		15.2	
17		10.0	1.0	11.0	2.0					
18			1.3	13.5						
19										
20										
21										
22	2.7			4.0	1.3					
23	0.7	10.2		7.0	7.6					
24	22.9	4.9		6.7	6.1	29.0		10.0		
25	14.4	3.6	3.0	9.6	1.3	0.8	16.5	15.5		
26			1.6	7.3			56.9			
27			1.0							
28				3.3						
29						0.6				
30	1.2		1.3		0.8	1.0				
31	2.9			3.0			59.2		30.5	
total	141.8	162.9	29.1	210.6	92.0	101.6	240.2	45.5	229.1	11.4

TABLE 15-CONTINUED MARCH 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	ZEBAR BILLE	AIN-SIFNY	QADER KARAM	DERBENDI KHAN	MAKH-MUR	GALALA	DIANA	TAG-TAG	EL-RUMMIL
1			16.4					40.0	
2		5.0						28.0	
3	37.2	18.3			6.0	21.0	12.0	5.0	
4	27.5	10.0	17.6	7.2	23.0	56.7	41.5	17.0	22.0
5	52.5	31.5	8.6	18.3	26.0	45.0	32.0		15.0
6	47.2		14.3	28.1	26.0	12.0	23.5		
7	18.0	41.3	9.1		31.5	9.5	10.0	5.0	
8	16.0	31.2			7.0		5.0	10.0	
9					6.0			30.0	
10	22.0		1.2	9.9			10.0	30.0	2.0
11	26.2	4.0	21.2	9.5		14.0	6.0	14.5	10.0
12	14.7			14.0	2.0	10.5	10.0	5.0	
13	17.5	3.5	10.7	12.1	14.0	28.8	24.0		12.0
14	12.0	3.5	28.4	40.5	17.0	14.7	8.0	tr.	32.0
15			6.6	5.8	6.0	2.5	2.0	tr.	15.0
16					31.5				
17	7.0	8.7				8.0	5.0		
18	2.4	21.3				5.0	5.0		
19								tr.	
20								9.5	
21								23.0	
22					1.0	3.0	7.0	6.0	1.0
23	24.7	13.0		10.2	0.5	14.0	11.0	tr.	
24	19.1	7.0	5.5	0.8	5.0	34.0	29.0	6.0	49.0
25		10.0	2.6	3.1	16.0	12.0	3.0		31.0
26	11.2	2.0		0.2	6.0		11.0	4.0	15.0
27								12.0	
28				0.2	6.0				
29					3.0			12.0	
30	5.8	2.0	93.0	48.2		28.5	14.0	8.0	
31	14.5		2.5	18.2			4.0	7.0	
TOTAL	375.5	212.3	237.7	226.3	231.5	319.2	273.0	272.0	204.0

TABLE 15-CONTINUED

MARCH 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	IFRAZ	DOKAN	BER-ZANJA	KOI-SANJAC	KIFRI	KANI-SPIKA	FATHA	BINKI-RD	QAYARA
1				4.0					
2	0.1						1.5		9.5
3	tr.	5.0	0.8				3.6	6.1	3.2
4	17.8	36.0	9.9	12.3		8.0	25.2	32.5	22.0
5	25.4	54.0	27.2	29.5	6.0	30.0	17.3	50.1	21.0
6	24.8	28.0	25.8	50.0	5.1	22.0	1.7	12.3	
7	40.2	23.0	19.4	20.0	29.5	31.0	3.8	19.9	
8	7.8	3.0	0.9	16.0				4.1	
9	tr.								
10		13.0	14.8			17.0	tr.	14.2	
11	3.2	8.0	33.5	4.0	8.5	27.0	6.5	13.8	11.0
12		18.0	14.8	6.0	19.8	21.0		19.5	1.5
13	3.7	60.0	18.7	35.0	4.0	12.0	4.5	46.5	5.5
14	11.0	34.0	33.4	25.0	33.9	42.0	tr.	23.8	
15	14.5	21.0	8.2	40.0		11.0	13.5	11.5	9.3
16	4.0			3.0	14.5				
17	tr.	6.0	3.7			6.0		12.8	
18	9.9	21.0	25.3	12.0		21.0		13.2	
19	2.0			20.0					
20									
21									
22		0.5							
23	tr.	6.0	11.5	25.0			tr.	9.5	3.0
24	4.6	14.0	8.5	22.0			28.7	14.0	12.0
25	8.3	11.0	13.0	20.0	12.5	18.0	1.0	7.8	
26	13.0	1.0	5.2	20.5	15.0	9.0	1.5	2.8	
27	tr.	7.0		10.0	[illegible]	4.0		6.8	
28		5.5	7.5	12.0				1.5	3.5
29						11.0	1.5		2.5
30		10.0	51.9	15.0				13.6	
31	2.3	5.0	7.7	13.0	7.0	290.0		3.0	
TOTAL	192.6	385.0	337.5	414.3	155.8		110.3	339.3	104.0

TABLE 16

BAGHDAD AIRPORT

Month March

Year 1957

Frequency Of Horizontal Visibility

TIME - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M										1															1
>500 -1000M											2/2														2
>1000 -1500M							1			1/1	1														3
>1500 -3000M					2	2			1/1	1/1	1/1	2/2				1			2						12
>3 -5KM								1			1	1/2	1/1		1	1	1	1		1					10
>5 -10KM			1	4	9	5	2	1	1/2		1/2	4	2	1	3	7	1/11	3	2	1	2		2	2	66
>10 -15KM	10	10	8	8	10	10	10	4	2	6	3	2	7	4	7	12	10	14	11	9	6	11	9	7	190
>15KM	21	21	22	19	10	14	18	25	26	22	21	21	21	26	20	10	9	13	16	20	23	20	20	22	460
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Different Heights Of Cloud-Base (Amount 5-8 Oktas)

TIME - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M	1	1	1	1	3	4	1	1	3	1	2	3	4	6	3	2	3	3	1		2	3	3	3	55
>900M	13	15	17	20	20	17	15	17	18	20	20	19	20	20	22	17	15	12	12	13	7	8	9	8	374

TABLE 16-CONTINUED

MONTH MARCH

YEAR 1957

BASRAH AIRPORT

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																									
>500 -1000M																									
>1000 -1500M					1/2																				2
>1500 -3000M					2	2/2	2/2			1/1	1/1				1/1	1/1	1/1	1/1							12
>3 -5KM					1	1													1/1						3
>5 -10KM	2/2		1/1	1/5	2			1/1			1/1	1/1	1/1	2/3	3/3	1/1		1	1				1/1	1/1	26
>10 -15KM	3	3	3	5	6	5	2	1	3	2	3	3	5	4	4	6	1	2	2	4	4	5	6	3	85
>15KM	26	28	27	21	18	23	27	29	28	28	26	27	25	24	23	23	29	27	27	27	27	26	24	26	616
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Differnt Heights
Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M										1															1
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M				1							2	2	2			1	1				1	1	1	1	13
>900M	9	9	9	12	12	15	14	14	16	13	12	12	12	14	13	10	9	7	8	7	6	5	6	7	251

TABLE 17

Month March
Year 1957.

BAGHDAD AIRPORT

Simultaneous Occurrences Of
Specified Visibility Ranges and Specified Lowest
Cloud Base (≥ 5 Oktas)

HEIGHT	VISIBILITY																													
METERS	0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																						1				1	1	1	1	1
														1					1	1		1		1	2			1	4	2
														1					1	2	1	2	5		1	6		1	3	14
(5/8 OR *											1								4	2	9	8	10	21	18	17		30	30	30
>900				1						1			1				1	1		1	6	6	6	12	21	19	10		30	27	29
AND ≥ 5/8						1						2	2		3			2	2		15	10	11	70	16	19	141		30	28	234
												1								4	2	10	8	10	21	19	18		31	31	31
TOTAL				1						1			1		1		1	1		2	7	6	7	12	22	21	10		31	31	31
						1						2	2		4			2	2		17	11	15	75	26	20	147		31	31	248

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

* ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 17-CONTINUED

Month March

Year 1957.

BASRAH AIRPORT

Simultaneous Occurrences Of
Specified Visibility Ranges and specified Lowest
Cloud Base (≥ 5 Oktas)

HEIGHT METERS	VISIBILITY																													
	0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50													1															1		
															1															1
>50-150																														
>150-300																														
>300-500																														
>500-900																									1				1	
																								1		2			2	1
																								1		1	4		1	5
<5/8 OR * >900 AND ≥5/8															2				2	5		3	5	2	26	20	27	31	30	31
															1					1	1	2	5	5	28	23	23	30	29	30
															3	1		1	1		10	2	5	29	27	25	199	31	30	242
TOTAL															2				2	5		3	5	2	26	21	27	31	31	31
													1		1					1	1	2	5	6	28	25	23	31	31	31
															4	1		1	1		10	2	5	30	27	26	203	31	31	248

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

* ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

APR 195

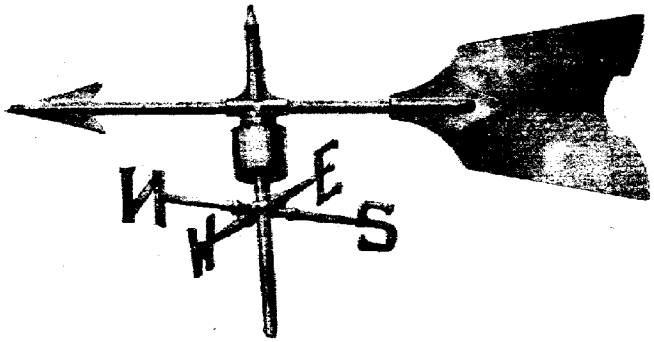
الحكومة العراقية

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

التقرير الجوي الشهري
للعراق
بغداد



GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER
REPORT
FOR IRAQ
BAGHDAD.

APRIL 1957

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C O N T E N T S

TABLE		PAGE
-	MAP SHOWING ALL METEOROLOGICAL STATIONS	SEE JANUARY
1	MEAN DAILY TEMPERATURE.	1
2	MONTHLY MEAN GRASS MIN. TEMPERATURES, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS	1
3	DAILY MAXIMUM, MINIMUM AND EXTREME TEMPERATURES	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES	4
5	MONTHLY MEAN WET BULB TEMPERATURES	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY	4
8	MONTHLY MEAN VAPOUR PRESSURE	5
9	MONTHLY MEAN DEW POINT	5
10	MONTHLY MEAN LOW CLOUD	5
11	MONTHLY MEAN TOTAL CLOUD	5
12	SURFACE WIND	6-8
13	CLIMATOLOGICAL SUMMARY	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS	9
15	DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS	10-13
16	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE	14-15
17	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE	16-17

PREPARED AND PUBLISHED
BY THE IRAQ METEOROLOGICAL DEPARTMENT
CLIMATOLOGICAL SECTION

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBA	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Height of Station above M.S.L. (IN METERS)
2. Hb. means Height of barometer cistern above M.S.L. (IN METERS)
3. Ha. means Height of anemometer above the ground. (IN METERS)

STATION	LATITUDE	LONGITUDE	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
AQRA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELLAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	180 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHUARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	-
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	-
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KIFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
QADAR KARAM	35 11 N.	44 53 E.	400 m.
MAKHMUR	35 46 N.	43 34 E.	450 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
KAI SANJAC	36 05 N.	44 38 E.	600 m.
TAG TAG	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
TUZ	34 53 N.	44 39 E.	220 m.
AIN	34 28 N.	41 27 E.	-
DIYALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
MANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	-
SAMAWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

TABLE 1 (1) APRIL 1957

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBA	HAI	DIWANIYA	NASIRIYA	BASRAH
1	17.2	14.3	14.4	13.6	17.7	18.5	19.4	20.3
2	17.5	13.6	13.7	12.9	18.4	17.5	18.9	20.4
3	15.4	12.3	12.5	12.3	17.4	16.7	18.3	19.6
4	14.6	13.6	13.3	12.3	16.1	15.7	15.5	16.8
5	18.7	12.6	13.2	13.4	16.5	16.7	16.7	17.4
6	17.6	13.6	15.0	14.4	18.1	18.4	18.9	19.8
7	14.3	13.9	13.7	10.9	17.1	17.3	20.0	22.6
8	17.0	15.2	14.9	14.5	18.1	18.3	18.5	19.3
9	18.4	14.5	15.0	16.9	19.7	19.4	20.6	21.0
10	18.2	15.0	16.6	16.6	21.0	20.6	21.5	23.6
11	18.6	18.0	16.5	16.1	16.5	17.4	16.6	19.7
12	20.4	19.4	19.5	18.1	20.3	19.9	20.5	20.1
13	22.6	20.5	21.1	21.6	23.0	22.5	23.4	22.7
14	24.3	20.2	21.6	22.5	24.1	24.0	24.3	23.9
15	25.2	21.5	24.0	22.8	24.5	25.1	25.4	24.9
16	26.3	22.0	26.3	23.0	26.1	25.3	26.5	25.6
17	26.5	22.9	24.8	25.6	25.2	25.8	26.3	26.3
18	26.6	23.4	24.0	17.8	25.2	26.1	26.3	26.1
19	24.2	19.1	20.6	15.5	24.5	23.5	24.4	25.6
20	21.3	17.3	18.7	14.2	23.2	21.4	23.5	25.4
21	17.7	14.9	16.2	13.2	20.2	18.0	20.7	27.4
22	18.3	15.9	15.8	12.2	19.4	17.7	20.5	22.9
23	18.3	15.7	16.1	14.2	17.5	19.0	19.7	21.8
24	20.4	16.3	17.1	18.1	19.9	20.1	20.4	21.9
25	22.9	16.8	18.4	18.8	22.8	22.9	23.9	23.2
26	24.1	17.2	20.2	22.4	23.8	25.3	26.1	26.6
27	24.5	18.8	21.6	18.6	23.6	25.3	26.1	26.2
28	22.8	18.3	18.8	18.8	23.2	24.2	23.4	24.4
29	20.3	16.8	17.3	17.6	21.0	22.4	22.6	24.0
30	19.7	15.2	16.3	15.9	19.7	20.8	19.4	20.3
MEANS	27.4	17.0	17.9	16.8	20.8	20.9	21.6	22.7

TABLE 2

MONTHLY MEAN TEMPERATURES

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	20.9	19.7	249.8
MOSUL	8.3	18.5	17.3	.....
KIRKUK	11.2	18.2	17.1	.....
HAI	13.7	....	....	.....
BASRAH	....	....	....	278.3
HABBANIYA	12.8	22.9	20.5	250.7

NOTE: TEMPERATURES ARE IN CENTIGRADE.

TABLE 3 (2) APRIL 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		KHANAQIN		RUTBAH	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	25.0	10.0	22.3	7.2	20.1	9.9	20.3	10.9	20.0	8.0
2	23.5	13.9	18.7	10.6	18.6	10.9	21.7	10.9	17.0	8.3
3	21.0	12.5	17.0	10.0	15.1	10.9	17.8	12.2	17.0	9.0
4	20.2	9.8	20.4	8.8	18.9	10.1	16.1	11.5	19.0	5.0
5	22.6	9.3	20.7	4.7	19.8	6.5	21.1	7.8	21.2	5.4
6	23.9	9.2	20.2	6.1	19.6	8.9	21.7	7.2	19.2	4.5
7	15.8	12.6	22.0	9.4	17.2	13.6	15.6	12.5	14.5	9.2
8	24.5	9.6	24.3	5.9	21.4	8.6	22.2	9.4	20.0	8.0
9	25.7	11.8	22.7	11.2	21.7	10.8	23.0	10.6	23.5	10.0
10	24.5	13.6	23.2	6.8	23.1	9.5	25.5	10.3	24.0	8.3
11	23.5	14.6	25.7	11.3	23.2	12.3	19.5	14.8	21.3	10.0
12	28.8	12.3	29.0	10.8	27.6	12.4	27.5	10.0	24.4	10.0
13	31.7	13.8	30.6	11.1	29.3	13.5	29.5	13.0	31.2	11.2
14	33.0	15.9	30.4	9.6	29.6	14.9	29.5	13.3	30.5	14.0
15	34.5	15.8	33.7	11.6	32.9	14.8	31.7	13.9	30.5	13.8
16	35.9	15.2	34.0	13.4	32.8	19.7	34.7	16.1	31.4	13.5
17	35.3	20.2	33.3	11.2	30.3	16.6	32.0	17.8	35.0	16.5
18	33.8	20.0	32.3	14.2	29.5	16.8	32.2	17.0	21.3	15.0
19	33.4	21.9	28.4	17.0	29.3	20.0	32.8	18.9	18.9	11.0
20	27.8	14.4	23.7	12.5	24.6	14.4	27.8	18.3	20.1	8.0
21	23.6	17.0	16.8	11.6	20.1	15.1	22.8	15.6	19.4	10.6
22	24.5	11.0	21.5	13.4	20.4	12.2	21.7	13.3	16.5	8.2
23	24.7	14.3	22.4	9.2	21.9	11.6	19.4	12.2	20.0	8.0
24	27.1	12.6	24.5	8.5	23.6	11.4	23.9	11.1	24.6	9.0
25	29.1	14.6	24.6	9.1	25.1	11.4	26.7	11.2	25.6	11.4
26	30.1	19.4	24.2	10.9	23.7	15.7	27.2	15.5	29.5	15.5
27	32.5	18.8	24.6	13.1	28.3	16.4	30.5	18.0	27.0	13.4
28	32.2	16.2	26.2	14.0	23.9	14.1	27.0	15.6	25.0	12.4
29	27.0	14.3	25.9	10.9	23.9	13.9	25.6	14.4	23.3	13.0
30	25.2	13.8	21.3	13.0	22.1	12.4	25.0	12.8	21.0	11.2
MEANS	27.4	14.3	24.8	10.6	23.9	13.0	25.6	13.2	23.1	10.4
NORMAL	29.3	14.3	24.6	9.6	25.4	12.4	27.7	13.0	25.8	10.2

EXTREME TEMPERATURES

STATION	HIGHEST MAX. C.	DAY	YEAR	LOWEST MIN. C.	DAY	YEAR
BAGHDAD	40.0	28th.	1944	2.8	1st.	1948
MOSUL	40.0	24th.	1928	-0.6	1st.	1938
KIRKUK	36.6	30th.	1944	1.1	18th.	1947
KHANAQIN	38.9	28th.	1944	0.5	1st.	1956
RUTBAH	38.4	30th.	1944	0.0	2nd.	1946

TABLE 3- CONT. APRIL 1957

DAILY MAXIMUM AND MIMIMUM TEMPERATURES (IN CENTIGRADE)

	HABBANIYA		HAI		DIWANIYA		NASIRIYA		BASRAH	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	25.0	10.5	24.6	10.8	26.9	10.7	27.7	10.6	26.8	15.0
2	25.0	13.3	24.2	13.3	24.1	11.6	24.8	15.0	26.1	14.2
3	19.4	12.2	23.3	14.0	22.5	12.0	25.6	14.2	25.2	15.1
4	20.0	11.1	20.6	12.4	21.4	10.4	23.9	12.9	23.5	13.2
5	22.2	8.9	23.4	10.2	23.9	10.5	24.0	10.0	22.7	12.0
6	24.4	9.4	24.0	10.2	26.0	8.0	26.2	11.3	26.8	13.0
7	15.5	13.3	22.4	10.0	22.5	13.0	27.4	11.6	30.5	16.5
8	23.9	10.0	23.9	13.4	24.8	13.2	24.7	13.6	22.3	15.3
9	24.4	13.9	26.2	13.2	29.0	10.0	27.8	13.4	26.5	15.3
10	22.8	12.2	26.4	15.4	29.4	15.6	28.7	16.4	29.6	17.0
11	23.9	13.9	19.4	15.6	23.0	14.6	21.0	15.4	20.7	18.2
12	29.4	13.9	27.3	13.4	28.0	12.6	27.8	13.6	24.0	16.0
13	30.5	14.4	30.4	16.4	30.6	14.6	31.0	15.5	28.8	16.1
14	32.8	16.1	31.4	15.4	33.0	14.4	32.7	16.0	30.1	17.4
15	33.9	16.6	32.7	16.3	33.2	17.4	34.8	16.3	30.8	18.5
16	36.6	17.2	34.3	16.8	35.6	15.6	36.0	16.8	32.1	19.1
17	37.2	18.3	32.5	17.9	36.2	16.5	33.2	19.6	33.9	19.1
18	35.5	17.8	32.3	19.0	35.6	17.0	32.7	20.7	34.4	18.5
19	32.8	23.3	31.4	19.8	34.4	20.2	31.6	21.3	31.0	20.6
20	25.5	13.3	29.0	18.8	28.0	15.1	30.3	16.4	28.5	21.0
21	24.4	15.0	27.2	16.2	27.0	15.1	29.0	16.9	34.4	20.4
22	23.3	12.2	25.5	13.5	24.1	10.6	26.4	14.4	27.7	18.0
23	25.0	14.4	22.7	15.0	24.2	13.9	26.5	16.0	24.8	20.1
24	26.1	13.9	26.7	13.2	26.7	14.2	28.0	14.5	25.7	17.2
25	29.4	15.5	29.2	14.8	31.2	13.0	30.7	14.7	28.2	18.7
26	30.5	18.3	28.8	18.6	32.0	20.0	31.6	21.0	32.7	20.3
27	32.2	16.6	28.4	19.9	31.8	20.6	32.7	23.2	31.7	24.0
28	28.9	17.2	30.0	20.5	31.6	19.3	31.0	21.4	30.1	21.6
29	27.8	15.5	26.5	17.2	29.6	18.2	27.5	17.4	30.7	18.6
30	25.0	14.4	26.0	15.4	27.5	15.0	25.0	14.5	24.7	19.8
MEANS	27.1	14.4	27.0	15.2	28.5	14.4	28.6	15.8	28.2	17.7
NORMAL	29.6	12.8	29.8	15.3	30.2	13.7	30.4	16.2	30.0	17.7

EXTREME TEMPERATURES

STATION	HIGHEST MAX. C.	DAY	YEAR	LOWEST MIN. C.	DAY	YEAR
HABBANIYA	41.1	24th. 30th.	1937 1944	3.3	1st.	1938
HAI	40.0	30th.	1944	6.1	2nd. 1st.	1946 1948
DIWANIYA	41.6	9th.	1952	1.6	2nd.	1946
NASIRIYA	42.8	28th.	1942	4.4	1st.	1948
BASRAH	43.8	25th.	1954	8.3	2nd. & 3rd.	1948

TABLE 4 APRIL 1957

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	16.4	15.1	20.0	22.9	26.1	23.8	19.8	17.6	20.2
MOSUL	12.1	11.2	17.0	22.1	23.4	20.6	15.7	13.7	17.0
KIRKUK	14.1	14.1	18.1	21.6	22.6	20.2	16.6	15.2	17.8
KHANAQIN	....	14.3	19.6	23.2	24.3	22.2	18.3	....	20.3
RUTBAH	12.0	10.8	16.4	20.7	22.3	21.3	16.4	14.3	16.8
HAI	16.9	16.1	20.8	24.9	26.4	23.5	19.8	18.1	20.8
DIWANIYA	15.9	14.7	21.1	26.3	27.3	24.1	19.6	17.4	20.8
NASIRIYA	17.2	16.4	21.7	26.0	27.2	24.6	20.8	18.9	21.6
BASRAH	19.3	18.4	22.8	25.9	27.3	25.0	21.9	20.6	22.7
HABBANIYA	16.2	15.1	19.6	24.7	25.8	23.9	19.5	17.6	20.3

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.3	12.6	15.2	16.7	16.6	16.1	15.1	14.2	15.0
MOSUL	10.4	9.8	13.7	15.5	15.4	14.6	12.9	11.5	13.0
KIRKUK	11.6	11.3	14.1	15.4	15.4	14.9	13.1	12.2	13.5
KHANAQIN	....	12.6	15.3	16.6	16.8	16.4	15.5	....	15.5
RUTBAH	8.9	8.2	11.1	12.3	12.3	11.7	10.8	10.1	10.7
HAI	14.3	14.1	16.5	17.4	17.6	16.8	15.7	15.0	15.9
DIWANIYA	13.2	12.7	16.3	17.4	17.1	15.7	14.7	13.9	15.1
NASIRIYA	14.6	13.9	16.4	17.3	18.1	17.4	16.7	15.7	16.3
BASRAH	17.2	16.8	19.2	20.0	19.9	19.2	18.3	17.9	18.6
HABBANIYA	13.6	13.0	15.4	17.0	16.9	16.5	15.5	14.6	15.4

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS AT M.S.L.) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.2	11.7	12.9	12.4	10.8	10.4	11.6	11.8	1011.6
MOSUL	13.4	13.9	14.2	13.3	11.9	11.6	13.3	13.5	1013.1
KIRKUK	12.5	12.8	13.3	12.6	11.1	11.4	12.8	13.0	1012.4
KHANAQIN	....	12.2	12.4	12.1	11.4	10.9	12.0	....	1011.8
RUTBAH	11.3	11.6	12.3	11.9	10.8	10.6	11.6	11.6	1011.5
HAI	10.9	11.5	12.7	12.2	10.6	10.2	11.3	11.4	1011.4
DIWANIYA	10.8	11.6	12.7	12.6	10.5	10.3	11.5	11.6	1011.5
NASIRIYA	10.9	11.2	12.5	11.9	10.0	10.0	11.2	11.3	1011.1
BASRAH	11.2	11.6	12.8	12.4	10.9	10.4	11.8	11.7	1011.6
HABBANIYA	11.4	11.8	12.8	12.4	10.9	10.4	11.7	11.9	1011.7

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	76	78	63	49	39	48	63	71	61
MOSUL	83	85	71	52	46	55	74	79	68
KIRKUK	72	73	67	54	49	59	70	73	65
KHANAQIN	..	81	62	51	46	55	70	..	61
RUTBAH	70	72	55	39	32	33	53	62	52
HAI	76	82	66	49	43	52	67	73	63
DIWANIYA	75	79	61	42	37	44	61	69	68
NASIRIYA	80	77	61	45	42	51	67	72	62
BASRAH	81	86	71	57	49	58	72	77	69
HABBANIYA	75	79	64	46	41	48	67	73	62

TABLE 8

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.7	13.4	14.3	14.2	12.9	13.4	14.3	14.1	13.8
MOSUL	11.7	11.4	13.6	13.3	12.4	12.8	13.1	12.3	12.6
KIRKUK	11.9	11.6	13.4	13.4	12.8	13.7	12.9	12.5	12.8
KHANAQIN	....	13.2	14.1	13.9	13.3	14.3	15.0	....	14.0
RUTBAH	9.6	9.2	9.8	8.9	7.9	7.6	9.5	9.8	9.0
HAI	14.7	14.9	16.1	15.1	14.5	14.8	15.3	15.0	15.0
DIWANIYA	20.2	13.4	16.5	14.8	12.8	12.7	10.6	13.6	14.3
NASIRIYA	14.9	14.3	15.4	14.1	14.8	15.3	16.5	15.7	15.1
BASRAH	18.0	18.1	19.6	18.6	17.4	17.8	18.8	18.4	18.3
HABBANIYA	13.7	13.4	14.2	13.5	12.4	13.2	14.8	14.4	13.7

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.5	11.9	12.2	12.0	10.4	11.1	12.0	11.9	11.6
MOSUL	9.0	8.6	11.4	10.9	9.7	10.3	10.7	9.8	10.1
KIRKUK	9.2	9.0	10.9	10.7	10.3	11.2	10.6	10.0	10.2
RUTBAH	6.1	5.6	6.5	5.0	3.1	2.7	5.8	6.3	5.1
HAI	12.5	12.8	14.0	12.6	12.3	12.6	13.2	13.0	12.9
DIWANIYA	11.2	11.8	12.5	11.7	10.7	10.2	11.2	14.7	11.7
NASIRIYA	12.8	12.1	13.2	11.8	12.5	13.1	14.7	13.7	12.7
BASRAH	15.7	15.8	17.1	16.3	15.2	17.8	16.2	16.1	16.3

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	1.0	1.6	1.1	1.8	2.6	1.5	1.3	1.1	1.5
MOSUL	3.0	3.1	2.5	2.4	3.7	3.3	2.4	2.1	2.8
KIRKUK	2.0	2.6	2.0	2.6	2.8	3.1	2.2	1.7	2.4
KHANAQIN	...	3.7	3.1	4.0	4.0	4.1	3.0	...	3.7
RUTBAH	1.8	2.0	1.8	2.8	3.6	3.4	2.2	2.3	2.5
HAI	2.2	2.8	2.6	2.1	2.2	2.1	1.3	1.5	2.1
DIWANIYA	1.7	1.8	1.5	2.1	2.5	1.4	1.1	1.2	1.7
NASIRIYA	1.4	1.5	1.3	1.5	2.4	2.1	1.7	1.5	1.7
BASRAH	0.7	0.6	0.6	1.6	1.2	1.2	0.8	0.7	0.9
HABBANIYA	0.6	1.0	1.0	1.6	1.7	1.7	1.0	0.8	1.2

TABLE 11

MONTHLY MEAN TOTAL CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	3.3	4.0	4.4	4.4	5.2	4.4	4.2	4.0	4.2
MOSUL	4.5	5.0	4.8	4.4	5.3	5.3	3.7	3.8	4.6
KIRKUK	4.3	4.7	4.4	5.0	4.4	4.5	3.8	3.5	4.3
KHANAQIN	...	4.5	5.2	5.0	5.2	5.3	3.6	...	4.8
RUTBAH	2.4	3.1	4.2	4.3	4.8	4.6	3.4	3.1	3.7
HAI	3.7	4.5	5.0	4.8	4.5	4.7	3.3	2.9	4.2
DIWANIYA	3.0	3.6	3.4	4.0	4.0	3.4	2.4	2.4	3.3
NASIRIYA	2.7	3.0	3.4	3.3	3.4	3.4	2.5	3.1	3.1
BASRAH	2.9	3.1	2.9	3.7	3.4	3.6	2.6	2.6	3.1
HABBANIYA	3.5	4.5	3.7	3.8	4.8	4.6	4.1	4.0	4.1

SURFACE WIND - NUMBER OF OBSERVATIONS OF:-

BAGHDAD

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	1	2	9	2	2	0	3	7	4	24	2	0	0	4
0300	4	1	5	2	4	1	2	6	5	25	0	0	0	5
0600	4	1	6	3	5	1	2	7	1	27	2	0	0	6
0900	5	1	2	5	6	2	2	7	0	22	7	1	0	9
1200	3	3	4	4	5	1	3	7	0	25	5	0	0	8
1500	6	3	3	5	3	1	2	7	0	26	4	0	0	7
1800	4	2	7	2	0	1	0	5	9	18	3	0	0	5
2100	2	3	8	2	1	2	0	4	8	20	2	0	0	5
TOTAL	29	16	44	25	26	9	14	50	27	187	25	1	0	6

MOSUL

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	6	1	4	1	1	1	4	3	9	18	2	1	0	4
0300	9	2	2	2	1	0	5	4	5	22	3	0	0	5
0600	6	6	7	2	0	1	5	3	0	25	5	0	0	7
0900	4	5	9	5	0	2	2	3	0	18	11	1	0	10
1200	5	1	6	2	3	5	6	2	0	22	7	1	0	8
1500	7	4	4	2	0	2	5	6	0	20	9	1	0	8
1800	6	6	3	2	1	0	3	5	4	22	4	0	0	5
2100	4	3	5	0	2	0	3	5	8	20	1	1	0	4
TOTAL	47	28	40	16	8	11	33	31	26	167	42	5	0	6

KIRKUK

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	5	12	8	4	0	0	0	1	0	25	5	0	0	7
0300	3	11	9	3	0	0	2	2	0	29	1	0	0	5
0600	2	4	6	8	5	2	0	2	1	24	5	0	0	6
0900	0	3	3	11	4	6	1	2	0	20	9	1	0	8
1200	2	1	4	5	9	4	3	2	0	20	10	0	0	9
1500	3	1	4	4	7	2	4	3	2	26	2	0	0	6
1800	1	6	9	1	4	0	1	1	7	19	4	0	0	5
2100	3	13	5	5	0	1	0	0	3	25	2	0	0	5
TOTAL	19	51	48	41	29	15	11	13	13	188	38	1	0	6

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	2	0	3	0	7	3	1	12	16	1	1	0	4
0300	3	0	1	1	1	2	5	4	13	14	2	1	0	4
0600	6	0	1	3	3	2	5	7	3	16	11	0	0	8
0900	7	1	0	2	4	1	4	7	4	18	7	1	0	8
1200	8	2	2	0	4	5	5	3	1	18	10	1	0	10
1500	9	2	2	1	1	2	8	2	3	20	6	1	0	8
1800	7	5	4	1	3	1	2	2	5	19	5	1	0	7
2100	4	0	3	2	1	3	3	2	12	15	2	1	0	4
TOTAL	46	12	13	13	17	23	35	28	53	136	44	7	0	7

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

H A I

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	0	8	3	0	0	9	1	6	11	11	2	0	10
0300	0	1	9	2	0	0	7	1	10	17	3	0	0	4
0600	3	2	8	0	2	0	7	1	7	19	4	0	0	6
0900	1	2	11	2	3	0	9	0	2	17	9	1	1	10
1200	2	0	11	4	2	0	11	0	0	19	10	1	0	10
1500	3	1	10	3	0	1	7	1	4	19	7	0	0	7
1800	1	0	8	4	1	1	4	0	11	14	5	0	0	5
2100	1	0	8	3	1	0	8	1	8	15	6	1	0	7
TOTAL	14	6	73	21	9	2	62	5	48	131	55	5	1	7

D I W A N I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	2	2	5	2	0	5	0	6	20	4	0	0	6
0300	3	1	5	2	0	1	10	2	6	22	2	0	0	5
0600	2	1	6	2	3	3	8	4	1	23	5	1	0	7
0900	5	0	4	5	2	1	10	2	1	19	7	3	0	9
1200	7	0	6	3	2	1	8	2	1	20	8	1	0	8
1500	9	1	8	4	1	0	3	4	0	24	5	1	0	7
1800	8	3	4	6	0	1	3	0	5	17	8	0	0	7
2100	6	2	2	8	3	0	4	0	5	16	9	0	0	7
TOTAL	48	10	37	35	13	7	51	14	25	161	48	6	0	7

N A S I R I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	3	2	7	1	3	4	6	1	23	6	0	0	7
0300	3	0	1	5	4	1	6	9	1	25	4	0	0	8
0600	1	2	1	8	1	2	3	12	0	22	7	1	0	9
0900	6	1	8	3	3	1	3	5	0	19	11	0	0	10
1200	5	1	11	2	1	0	3	7	0	16	14	0	0	10
1500	4	7	6	7	0	1	3	2	0	20	9	1	0	10
1800	6	3	8	6	2	0	2	3	0	24	6	0	0	8
2100	3	0	4	8	0	2	5	6	2	20	8	0	0	8
TOTAL	31	17	41	46	12	10	29	50	4	169	65	2	0	9

B A S R A H

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	2	4	4	4	5	2	3	3	26	1	0	0	4
0300	2	4	4	1	3	3	6	1	6	23	1	0	0	4
0600	3	2	5	5	3	0	6	6	0	28	2	0	0	6
0900	2	2	2	3	4	0	7	8	2	18	7	3	0	9
1200	3	3	3	4	3	2	2	9	1	21	6	2	0	9
1500	5	1	3	5	2	1	4	8	1	26	2	1	0	7
1800	6	2	3	6	2	2	1	2	7	20	3	0	0	4
2100	2	4	4	3	3	3	3	2	6	24	0	0	0	4
TOTAL	26	20	28	31	23	16	31	39	26	186	22	6	0	6

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

KHANAQIN

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	0	0	10	0	6	0	0	0	14	16	0	0	0	3
0600	0	2	6	3	6	1	0	0	12	16	2	0	0	4
0900	0	1	5	4	11	1	1	0	7	21	0	1	1	6
1200	0	1	7	3	8	2	5	1	3	25	1	0	1	7
1500	1	2	6	0	7	0	2	1	11	16	3	0	0	4
1800	0	0	9	3	3	0	0	0	15	11	2	2	0	4
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	6	43	13	41	4	8	2	62	105	8	3	2	5

HABBANIYA

DATE	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	3	6	2	2	2	5	7	1	22	7	0	0	6
0300	1	3	3	1	1	1	11	5	4	23	3	0	0	5
0600	3	4	5	3	2	0	5	8	0	24	6	0	0	8
0900	3	4	4	2	5	1	6	5	0	21	8	1	0	9
1200	4	3	4	3	3	2	6	5	0	21	7	2	0	9
1500	6	1	6	1	4	1	7	3	1	23	5	1	0	7
1800	4	6	5	1	4	0	2	5	3	23	4	0	0	6
2100	1	5	8	0	3	0	3	6	4	18	8	0	0	7
TOTAL	24	29	41	13	24	7	45	44	13	175	48	4	0	7

TABLE 13

NUMBER OF CASES OF :-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	12	0	0	4	0	1	3	5
MOSUL	13	0	0	6	0	0	2	5
KIRKUK	12	0	3	11	0	1	4	6
KHANAQIN	11	0	0	3	0	1	3	6
RUTBAH	5	0	2	2	0	1	4	5
HAI	16	0	0	16	0	0	4	5
DIWANIYA	11	0	0	4	0	2	5	1
NASIRIYA	11	0	1	7	0	1	6	1
BASRAH	9	0	1	3	0	2	6	3
HABBANIYA	12	0	*	8	0	2	2	3

NOTE: V.K. MEAN - WIND VELOCITY IN KNOTS.

BLE 14 APRIL 1957

DAILY PRECIPITATION UNIT (MILLIMETERS, tr. < 0.05 mm.)

ATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	KHANA-QIN	HABBA-NIYA
1	1.6	8.7		0.5					7.6	tr.
2	6.0		8.1	tr.	0.5	0.1	3.5	tr.	0.4	21.7
3	3.7		6.1	tr.	tr.	0.4		1.4	4.3	2.7
4	tr.				2.8	tr.		2.8	0.9	
5										
6	14.3	tr.		9.5	3.2	0.5	1.6	0.3		15.6
7	6.4	0.8	3.0	tr.	0.5	tr.	1.6		6.0	2.5
8		0.7	tr.	tr.						
9	1.8	1.9	tr.		tr.	14.1				7.5
10	6.2	0.2			4.9	9.0	4.7	0.9		2.5
11	tr.		8.0		5.8	1.0	6.6	20.5	9.4	
12										
13										
14										
15										
16										
17										
18	tr.	tr.	tr.	2.5						tr.
19	tr.	8.4	4.9		2.7		3.0		0.7	26.1
20	0.3		1.3		12.4	4.1	22.4	0.4		tr.
21	12.5	33.0	25.3	tr.	0.3	26.5			23.7	13.9
22		3.1		4.1	7.5	2.6				
23	tr.		0.2		0.3				tr.	
24		1.8		tr.						
25	0.1	1.4	tr.		0.6	tr.	tr.	tr.		0.6
26		7.7	0.6		tr.		tr.	tr.		
27	12.8		18.2		0.2		0.6	1.4		6.3
28	6.1		tr.		0.7	0.3	2.6	0.2	23.5	4.7
29	1.1	17.3	12.5	tr.	18.2	5.[illegible]	9.2	tr.		1.8
30	tr.	0.8	2.0	0.6	0.3		3.2	17.1	7.1	tr.
OTAL	72.9	85.8	90.2	17.2	60.9	64.1	59.0	45.0	83.5	105.9

TABLE 15 APRIL 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	AMADIA	RAWAN-DUZ	TEL AWAINAT	SINJAR	TELAA-FAR	QAYARA	ARBIL	HAWIJA	CHAM-CHAMAL
1	3.4	1.5					[illegible]		8.0
2		0.4		2.5			11.1	0.3	6.0
3		0.3			5.4		8.4	6.5	8.0
4		1.8		8.4			6.0		10.0
5				0.6					
6								4.3	9.0
7				1.4			1.9	4.5	
8	5.4	1.6					16.0		6.5
9	3.1	2.8			3.5			2.0	
10			6.6	1.3					
11									8.5
12									9.0
13									
14									
15									4.0
16									3.0
17									6.0
18					1.0				10.0
19	14.6	1.8		7.7	11.0	7.5		1.5	
20	8.4		11.4				8.2	2.5	
21	7.0	1.6		26.6	20.5	16.5	14.0	18.0	5.5
22			13.0						7.0
23	43.0	0.9					6.6		
24				2.3					
25				2.3					6.5
26	8.3	1.2		18.1	8.0	6.2			8.5
27		0.9	14.2	1.1			4.3	3.0	
28	5.8				1.0				9.0
29	10.5	2.5		2.8	6.0			26.0	8.0
30	2.0				1.5			1.0	10.0
TOTAL	111.4	15.4	45.2	75.1	53.9	30.2	66.5	69.6	142.5

TABLE 15-CONT. APRIL 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	SULAI-MANIYA	PENJWIN	BAKRA-JO	HALAB-JA	IFTI-KHAR	CHUARTA	SALAH-ALDDIN	SANAT	MIRZA-RUSTAM
1	6.2	8.0	19.0	10.0				12.2	0.7
2	18.0	11.0	12.6	6.0	16.5	16.0	6.4		0.7
3	11.2	8.0	9.2	17.0		1.9			0.6
4	4.0				12.4	14.0	12.7		
5									
6									
7		8.0			2.5				0.3
8		10.0	9.2	1.0			3.0		0.7
9	1.0	8.0	40.0	16.5		16.3	5.6	11.8	0.6
10	29.0	10.0					22.1	12.5	
11				2.5					
12									
13									
14									
15									
16									
17									
18								20.1	
19			16.5	5.0	5.1			36.4	
20	11.0	26.0	[illegible]			19.2	8.9	24.7	0.8
21		6.0	14.3	16.0	23.6	0.6			0.3
22	13.9	34.0	[illegible]			16.6	6.1	4.2	
23		9.0	6.0	9.0		14.1		5.1	0.5
24	8.8	32.0	40.0	1.0			2.5		
25	5.5		2.5				8.6	3.9	2.0
26	6.5	8.0	4.1		2.5	4.3		8.7	0.4
27	2.4	10.0	14.3	15.0	5.1	10.9	2.5	19.8	8.9
28	8.7	9.0	12.0	8.0		6.9		9.9	
29	5.6	11.0	10.5	3.5	8.9	4.5		28.1	1.0
30	19.0	10.0	37.5	4.0	5.1	7.1	14.0	11.4	2.0
TOTAL	150.8	198.0	247.7	114.5	81.7	132.4	92.4	196.6	19.5

TABLE 15-CONT. APRIL 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	SHAQ-LAWA	SER-SANK	BIN-KIRD	BAIJI	TUZ	ANA	DIALA	UR	HIT	MAN-DILY	KAR-BALAA
1	8.0	1.8	16.5	2.8			6.0				
2	4.3		2.4	6.1	15.7		9.0		12.3		
3	11.0		10.0	2.1	6.1		[illegible]	4.6			
4					5.1						
5											
6									5.8		
7										9.7	13.2
8	5.0	5.3	9.0		3.6		8.0	6.4			
9	13.0	3.8	7.0			7.0	5.0			4.8	
10	4.0				2.5	8.0			9.2	4.7	6.4
11											14.7
12											
13											
14											
15											
16											
17											
18											
19	9.0	9.7	25.0	0.3					3.9		
20				1.3	2.8	4.0		2.8		28.0	
21	4.5	7.6	5.0	8.9			14.0	8.9	33.6	15.3	
22	1.5		1.5		32.0	3.0					11.2
23		2.5	11.5								
24	14.0	3.0	1.0								
25			1.4	1.5							
26	4.5	4.1	5.0	0.7							
27		0.5	54.9	0.9			33.0			13.0	
28	2.5	2.3	0.2		11.2		6.0			33.0	
29	14.0	19.8	24.3	16.6	11.7		15.0	25.1	4.4	20.5	
30	9.0	1.3	6.9		9.4			24.1		32.0	12.7
TOTAL	104.6	62.2	181.6	41.2	100.1	22.0	96.0	71.9	69.2	145.7	58.2

TABLE 15-CONT. APRIL 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	RAYAT	JALAW-LAA	HIN-DIYA	KUT	AMARA	BADAA	GHABI-SHIYA	MAQIL	QALAT-DIZA
1	4.5								17.5
2	2.5	7.6				7.0			
3				0.7	1.0	12.0			
4		10.2			2.0	8.0		1.5	
5				1.5			20.8	2.5	
6			16.0		5.0	5.0			
7			1.3	7.0	1.5				
8		6.4							5.0
9	3.5		3.2						2.5
10	7.5		17.5	2.8					
11				7.8	1.0	16.0		1.5	
12							21.8	24.6	
13									
14				2.2					
15									
16									
17									
18									
19									14.5
20	12.5			0.8		10.0			
21	2.5	11.4	11.0	7.3	5.0				3.0
22	9.8	10.2	5.0						
23	11.5			3.2					8.5
24									2.0
25									
26	7.5								4.5
27	17.5								53.5
28	15.4	31.8	17.0		19.5	26.0		1.5	
29	6.3		1.5			12.0		0.5	5.0
30	5.6	7.6		3.5		6.0	21.6		4.5
TOTAL	106.6	85.2	72.5	36.8	34.0	102.0	64.2	31.6	120.5

TABLE 16

BAGHDAD AIRPORT

Month APRIL
Year 1957.

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																									
>500 -1000M																									
>1000 -1500M									1/1	1/1				1/1											3
>1500 -3000M											1/1					1	2	1/1							5
>3 -5KM		1					1					1/1	1/1				2	1	2	1		1			11
>5 -10KM	2		1	6	2	3	1	3	1/2	2/2	2/2	1/2	1/2	1/1	1/1	2/3	11	5	1/6	6	3	2	2	2	70
>10 -15KM	8	11	8	10	12	7	5	1	3	2	2			2	5	16	12	17	7	9	14	12	8	9	180
>15KM	20	18	21	14	16	20	23	26	24	25	25	27	27	26	24	10	3	6	15	14	13	15	20	19	451
TOTAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720

Note

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Different Height Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M			2	1	2	1	2	1	1	2	2		1			1									16
>900M	9	11	9	13	16	18	15	17	18	13	15	18	18	19	19	17	18	16	14	14	17	13	14	9	360

TABLE 16-CONT.

(15)

BASRAH AIRPORT

Month April

Year 1957.

Frequency Of Horizontal Visibility

TIME - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M										1															1
>500 -1000M											1/1														1
>1000 -1500M																									
>1500 -3000M										2/2			1												3
>3 -5KM				1						1/1	1/1	1/1		1/1		1/1									6
>5 -10KM		1					2					1/1	2/2	2/2	3/4	1/2								1	15
>10 -15KM	1	1		1	5	4	1		2		2		2	2	2	5	5	1	1	1	2	3	2	1	44
>15KM	29	28	30	28	25	26	27	30	28	26	26	28	25	25	24	22	25	29	29	29	28	27	28	28	650
TOTAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720

NOTE

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Different Heights Of Cloud-Base (Amount 5-8 OKTAS)

TIME - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M							1	1	1	1															4
>300 -500M																									
>500 -900M			1	2	3	3	1	1	1	4	4	5	7	5	4	3	4	2	1	1	2	1	2	2	59
>900M	12	11	10	10	8	8	9	10	11	10	11	9	9	9	10	7	8	8	9	8	7	9	8	9	220

TABLE 17

BAGHDAD AIRPORT

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≥ 5 Oktas)

Month April
Year 1957.

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
																						1	1					1	1	
													1									1			1	1		2	1	1
													1											3			2			6
<5/8 OR * >900 AND ≥ 5/8																		1	2	6	1	8	9	4	20	14	23	30	30	29
										1							1		2	2	3	1		16	24	26	10	28	29	29
												1				2	1	5	6	2	24	7	12	57	15	15	147	30	30	230
TOTAL																		1	2	6	1	8	10	5	20	14	23	30	30	30
										1					1		1		2	2	3	2		16	25	27	10	30	30	30
												1			1	2	1	5	6	2	24	7	12	60	15	15	149	30	30	240

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

* ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 17-CONT.

Month April
Year 1957.

BASRAH AIRPORT

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≥ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300				1																							1			
						1																							1	
>300-500																														
>500-900													1											2	3	3		3	4	2
															1									2	1	1	8	1	1	11
<5/8 OR * >900 AND ≥ 5/8																	1		1		2		1	1	29	28	27	30	30	30
													2			1		1		2	2		2	3	23	22	22	26	26	28
															2	2		3			7	1	3	11	28	26	205	29	29	228
TOTAL																	1		1		2		1	1	29	28	27	30	30	30
				1									2	1		1		1		2	2		2	5	26	25	22	30	30	30
						1									3			3			7	1	3	13	29	27	213	30	30	240

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

الحكومة العراقية

MAY 1957

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

التقرير الجوي الشهري
للعراق
بغداد

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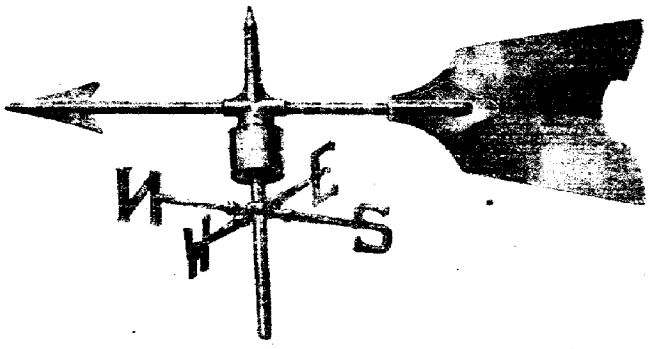


GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REPORT FOR IRAQ

BAGHDAD.

MAY 1957

C O N T E N T S

TABLE		PAGE
–	MAP SHOWING ALL METEOROLOGICAL STATIONS	SEE JANUARY
1	MEAN DAILY TEMPERATURE.	1
2	MONTHLY MEAN GRASS MIN. TEMPERATURES, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2–3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE.	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE WIND.	6–8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS	10–14
16	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE	15–16
17	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE.	17–18

PREPARED AND PUBLISHED
BY THE IRAQ METEOROLOGICAL DEPARTMENT
CLIMATOLOGICAL SECTION

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBA	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Height of Station above M.S.L. (IN METERS)
2. Hb. means Height of barometer cistern above M.S.L. (IN METERS)
3. Ha. means Height of anemometer above the ground. (IN METERS)

STATION	LATITUDE	LONGITUDE	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
SORAN	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	180 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHUARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	-
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	-
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KIFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
QADAR KARAM	35 11 N.	44 53 E.	400 m.
MAKHMUR	35 46 N.	43 34 E.	450 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
KAI SANJAC	36 05 N.	44 38 E.	600 m.
TAG TAG	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
TUZ	34 53 N.	44 39 E.	220 m.
ANA	34 28 N.	41 27 E.	-
DIALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
MANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	-
SAMAWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

TABLE 1

MAY 1957

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBA	HAI	DIWANIYA	NASIRIYA	BASRAH
1	20.8	15.3	15.7	16.0	20.5	20.2	21.1	21.7
2	21.3	16.8	16.1	18.6	21.8	22.7	21.5	22.0
3	24.1	19.3	19.2	22.7	24.0	24.2	24.1	24.1
4	24.8	21.8	24.2	21.5	25.1	25.5	27.2	27.5
5	23.8	21.6	21.0	19.7	25.9	25.5	27.0	26.7
6	22.3	20.0	20.2	18.0	23.7	24.6	27.8	28.4
7	22.4	16.9	19.6	17.8	23.4	24.4	25.7	24.2
8	23.4	17.7	18.8	18.3	23.4	24.5	25.4	24.4
9	25.5	19.4	19.6	18.8	25.4	26.6	27.2	26.5
10	25.4	18.6	20.7	19.6	26.1	27.2	26.5	26.2
11	25.0	21.7	22.2	19.8	27.8	26.8	27.2	28.8
12	26.5	24.2	24.0	20.0	28.0	26.7	28.5	27.9
13	19.8	19.1	19.4	18.6	23.5	22.3	26.0	28.7
14	22.9	17.6	18.7	20.8	25.2	24.9	27.1	27.8
15	26.1	20.1	20.8	20.6	27.9	27.8	27.2	27.8
16	27.3	21.1	23.1	20.8	27.2	28.5	29.1	30.1
17	27.5	23.8	24.1	20.1	29.1	28.0	30.6	29.9
18	24.9	23.7	23.3	20.6	26.5	25.4	28.0	28.7
19	25.8	21.4	22.1	20.3	26.2	25.1	27.1	27.3
20	26.8	22.0	22.8	22.2	26.5	26.1	27.5	27.5
21	26.4	23.4	24.7	24.2	27.2	26.6	27.6	28.0
22	28.7	24.1	26.1	26.2	29.0	29.7	29.2	29.0
23	31.3	27.2	28.5	27.3	30.6	30.2	31.1	27.8
24	30.8	26.0	25.1	22.6	29.3	29.9	30.6	32.2
25	28.1	22.3	21.1	20.1	27.4	27.6	28.9	28.2
26	22.8	21.5	20.1	20.6	24.7	23.9	27.5	27.2
27	24.2	21.2	21.3	21.4	26.0	25.3	28.8	26.8
28	26.6	22.1	23.2	23.6	26.3	26.9	28.3	28.3
29	28.2	25.0	26.3	25.1	28.0	28.4	29.9	29.0
30	30.4	27.4	28.4	27.9	29.7	29.8	29.0	29.9
31	32.6	29.3	29.8	29.7	31.3	31.0	29.6	30.6
MEANS	25.7	21.7	22.3	21.4	26.3	26.3	27.5	27.5

TABLE 2

MONTHLY MEAN TEMPERATURES

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	26.3	22.9	304.0
MOSUL	12.6	24.8	21.1	.....
KIRKUK	11.2	22.5	20.1	.....
BASRAH	17.8	....	....	306.2
HAI	17.6	....	....	.....

TABLE 3 (2) MAY 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	27.4	14.0	21.4	9.4	18.8	13.6	26.5	16.2	26.6	13.9
2	27.4	14.2	24.8	10.1	19.9	13.3	25.5	19.1	27.8	15.0
3	30.2	17.2	26.9	11.4	25.2	12.8	29.7	16.4	32.2	17.2
4	32.5	19.0	28.9	15.3	27.9	16.5	35.7	19.6	31.6	17.8
5	30.6	15.7	30.0	13.0	26.8	13.3	32.7	20.8	31.1	17.2
6	29.2	17.0	28.3	17.0	24.7	16.6	34.6	23.5	30.0	17.8
7	30.6	14.7	23.4	10.7	24.9	14.8	30.7	21.6	28.3	15.5
8	29.5	15.3	26.2	10.0	24.6	13.9	29.4	18.6	29.4	16.6
9	30.9	20.0	25.6	13.0	24.8	13.9	33.3	21.1	29.4	17.8
10	31.7	19.0	25.9	15.1	25.4	16.9	30.5	21.7	31.6	18.3
11	31.6	19.8	28.3	13.8	28.7	17.7	34.3	21.2	29.4	20.0
12	33.6	17.4	32.5	17.1	30.2	16.9	31.5	24.2	32.8	18.3
13	21.8	18.0	25.6	11.9	24.6	20.4	37.3	26.0	22.8	18.9
14	29.3	14.6	26.1	15.3	25.9	15.2	33.3	22.5	30.5	15.0
15	32.2	19.2	27.1	11.9	27.0	13.8	33.0	24.0	33.3	17.8
16	34.2	20.4	29.2	15.2	30.0	17.0	37.3	23.1	34.4	20.0
17	34.5	21.0	31.2	16.6	31.3	18.4	35.1	25.0	33.9	22.2
18	30.6	20.5	32.8	17.1	29.2	17.3	33.9	25.6	30.5	20.5
19	32.5	17.6	27.8	16.4	28.8	17.4	31.4	23.1	32.8	19.4
20	33.2	18.0	29.9	13.2	28.9	15.6	32.2	23.1	33.3	18.3
21	35.0	17.8	31.8	14.6	31.3	16.8	32.5	24.4	33.9	18.3
22	37.0	18.8	33.4	15.8	32.9	19.8	33.6	23.7	36.6	20.5
23	39.0	21.6	36.9	16.1	34.6	20.9	36.5	25.3	38.9	21.6
24	37.4	22.5	33.5	21.3	31.9	21.4	38.2	26.6	35.5	23.9
25	36.5	23.6	31.9	14.4	30.8	18.9	38.0	26.8	36.1	20.5
26	32.0	19.0	29.3	14.1	27.4	14.7	33.2	19.7	30.5	18.3
27	32.3	14.7	28.6	16.4	27.4	14.8	33.9	21.8	30.5	15.0
28	34.0	17.3	31.1	14.3	29.9	16.5	32.1	25.4	32.8	18.9
29	35.8	18.7	33.9	13.7	32.0	18.8	32.2	25.2	35.5	20.5
30	38.5	20.0	36.4	17.4	35.4	20.1	34.7	26.1	38.3	21.1
31	40.7	23 .7	38.4	18.6	37.1	21.6	36.1	26.4	40.0	22.8
MEANS	32.6	18.4	29.6	14.5	28.3	16.8	33.2	22.8	32.3	18.6
NORMAL	35.8	19.7	33.0	14.4	33.6	18.5	35.6	24.2	36.5	20.0

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	44.4	31st.	1949	10.5	13th. 1st.	1945 1948
MOSUL	44.1	31st.	1955	6.1	1st.	1948
KIRKUK	43.3	7th.	1942	8.3	1st.	1948
BASRAH	45.6	23rd.	1951	8.9	1st.	1952
HABBANIYA	46.6	7th.	1942	8.3	4th.	1940

TABLE 3-CONT. (3) MAY 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBAH		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	24.4	14.4	21.6	12.4	26.7	15.1	27.8	14.5	29.3	15.4
2	27.2	15.0	26.2	9.8	27.5	16.1	28.6	14.5	26.9	16.5
3	27.2	13.3	31.4	13.4	29.4	16.3	32.5	14.8	31.0	16.5
4	30.6	15.0	28.3	15.8	33.1	19.0	33.2	19.4	36.1	21.6
5	39.6	15.0	27.5	12.4	32.7	16.4	35.2	16.0	33.5	20.0
6	23.5	16.1	23.4	12.6	31.6	19.6	33.2	19.4	35.8	24.2
7	27.9	16.1	23.2	11.2	30.4	18.1	32.0	17.5	31.7	20.6
8	27.2	14.5	23.5	14.0	30.0	15.6	31.6	15.0	32.0	18.4
9	29.7	17.8	24.4	11.5	31.1	20.2	32.4	20.8	32.1	23.2
10	31.1	18.3	24.7	14.7	32.0	20.7	34.8	22.8	32.0	22.2
11	33.5	19.4	25.0	15.5	34.0	20.8	32.1	25.4	34.2	21.8
12	33.0	20.6	28.0	15.0	34.8	20.9	33.5	19.2	35.4	22.2
13	22.0	20.0	24.4	15.1	28.4	21.2	28.1	19.0	30.0	24.2
14	29.0	15.0	28.6	14.3	31.6	18.1	35.4	16.4	35.0	19.6
15	30.3	14.7	28.0	15.0	34.7	21.4	34.8	20.6	32.4	23.4
16	31.6	17.6	27.5	14.7	34.0	21.6	35.6	22.0	35.7	21.6
17	33.6	18.0	28.0	13.4	36.4	21.8	35.9	20.2	37.8	21.6
18	31.7	18.7	27.4	16.3	34.4	20.0	35.2	19.0	36.6	21.4
19	30.6	17.0	25.5	13.2	33.2	18.2	33.0	17.0	34.2	21.0
20	30.6	15.6	30.5	14.2	32.7	19.8	31.8	18.2	34.2	23.2
21	32.8	15.6	31.6	16.6	34.2	19.8	34.0	18.2	34.1	20.2
22	34.1	18.0	33.0	18.5	36.4	18.8	36.4	20.2	37.5	20.6
23	35.0	18.3	36.0	20.8	38.1	21.4	38.6	20.8	39.0	23.0
24	36.7	18.9	28.6	18.2	35.2	23.8	37.5	23.1	37.4	24.4
25	34.1	22.2	24.5	16.0	35.4	24.5	37.1	24.0	37.7	24.6
26	30.0	16.7	27.0	14.2	32.8	16.9	33.1	16.7	33.2	22.4
27	30.0	15.6	27.2	15.3	32.5	16.2	32.0	17.7	35.5	22.4
28	30.0	15.6	30.0	15.5	32.5	16.8	33.6	19.3	35.0	21.4
29	31.5	16.1	31.6	17.0	34.4	19.7	35.2	20.5	36.0	24.1
30	37.0	18.3	35.6	18.0	37.0	20.2	37.5	22.0	34.4	23.2
31	38.5	19.4	36.5	20.0	39.0	21.6	38.2	22.7	33.7	25.2
MEANS	31.0	16.9	28.0	15.0	33.1	19.4	33.9	19.2	34.2	21.6
NORMAL	35.0	18.9	31.6	15.8	37.3	21.0	36.7	19.2	36.9	22.4

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	43.3	8,9&10th.	1942	8.3	1st.	1948
RUTBAH	42.2	7th.	1942	5.6	1st.	1948
HAI	46.1	12,13,16 & 26th.	1941	12.2	1st.	1948
DIWANIYA	45.6	12th.	1941	7.8	1st.	1948
NASIRIYA	45.7	31st.	1955	11.6	1st.	1948

MAY 1957

TABLE 4

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	20.6	19.4	26.6	30.0	31.3	29.4	25.4	22.8	25.7
MOSUL	15.8	15.9	23.1	27.1	28.0	26.2	20.5	17.8	21.8
KIRKUK	17.9	18.0	23.4	26.2	26.6	25.1	21.1	19.2	22.2
KHANAQIN	....	18.4	25.8	28.9	29.7	27.5	22.8	....	25.5
RUTBAH	16.3	15.5	21.2	25.2	27.2	26.1	21.1	18.4	21.4
HAI	21.1	20.8	27.7	31.3	32.5	29.6	24.8	22.9	26.3
DIWANIYA	20.8	20.0	27.6	31.9	32.6	29.4	25.2	22.8	26.3
NASIRIYA	22.7	22.4	27.9	31.9	33.0	30.6	26.9	24.6	27.1
BASRAH	24.1	23.5	28.0	31.1	31.7	30.1	27.1	25.7	27.6
HABBANIYA	20.5	19.3	25.3	30.1	30.8	29.3	25.0	22.7	25.4

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	16.2	15.8	18.8	19.1	19.4	18.6	17.5	16.8	17.8
MOSUL	13.9	13.9	17.0	18.2	18.2	17.7	16.0	14.9	16.2
KIRKUK	14.8	14.8	17.1	17.6	17.4	17.2	16.2	15.5	16.3
KHANAQIN	....	15.6	18.5	19.5	19.1	18.3	17.5	....	18.1
RUTBAH	12.9	12.8	15.0	15.9	16.0	15.4	14.7	14.1	14.6
HAI	16.7	16.8	19.3	19.8	19.6	18.7	18.0	17.3	18.3
DIWANIYA	16.1	16.3	19.6	20.0	21.8	18.8	17.5	16.7	18.4
NASIRIYA	18.2	18.2	19.5	19.9	19.8	20.0	19.8	19.2	19.3
BASRAH	20.8	20.5	22.1	23.0	23.3	22.8	22.1	21.5	22.1
HABBANIYA	17.1	16.6	19.1	20.0	19.8	19.1	18.4	17.7	18.5

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	09.2	09.6	10.4	10.2	08.8	08.1	09.0	09.2	1009.3
MOSUL	11.1	11.6	11.8	11.0	09.7	09.0	10.4	11.1	1010.7
KIRKUK	10.2	10.7	10.8	10.5	09.2	08.6	10.2	10.3	1010.0
KHANAQIN	....	10.5	10.3	09.4	08.8	08.5	09.6	....	1009.5
RUTBAH	09.4	09.8	10.6	09.8	08.7	07.8	08.9	09.5	1009.5
HAI	08.2	09.0	09.7	09.4	08.0	07.5	08.5	08.4	1008.6
DIWANIYA	08.9	09.4	10.3	09.7	08.3	07.9	09.0	08.9	1009.1
NASIRIYA	08.2	08.7	09.8	09.2	07.6	07.3	08.3	08.3	1008.2
BASRAH	08.3	08.9	09.8	09.5	08.4	07.7	08.5	08.6	1008.7
HABBANIYA	09.3	09.8	10.6	10.3	09.1	08.2	09.0	09.5	1009.5

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	65	71	50	37	34	37	49	57	50
MOSUL	82	81	62	44	41	46	66	75	62
KIRKUK	73	73	56	45	43	49	63	70	59
KHANAQIN	..	74	48	38	35	40	57	..	49
RUTBAH	71	76	54	39	32	33	52	65	53
HAI	65	68	47	35	30	36	53	60	49
DIWANIYA	63	69	49	34	32	37	49	56	49
NASIRIYA	65	68	47	33	29	38	53	61	49
BASRAH	74	76	59	49	48	52	64	67	61
HABBANIYA	70	75	55	38	34	38	52	61	53

TABLE 8

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	15.5	15.6	14.8	14.8	14.4	15.2	15.6	15.2	15.3
MOSUL	14.7	14.7	16.1	12.9	14.4	14.7	15.3	15.2	14.7
KIRKUK	14.8	14.7	15.4	14.4	13.9	14.5	15.3	15.2	14.8
KHANAQIN	....	15.2	15.7	13.8	13.9	13.9	15.6	....	14.9
RUTBAH	12.8	13.2	13.1	12.0	10.9	10.5	12.6	13.4	12.3
HAI	16.2	16.6	17.0	15.6	14.7	14.5	16.2	16.1	15.8
DIWANIYA	15.5	16.2	17.6	15.6	15.5	14.8	15.6	15.2	15.8
NASIRIYA	17.9	18.2	17.1	15.4	14.4	16.5	18.5	18.9	17.1
BASRAH	22.1	21.8	22.1	21.9	22.3	22.2	23.0	22.3	22.2
HABBANIYA	16.8	16.9	17.3	15.4	14.4	14.3	16.1	16.4	15.9

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.3	13.6	14.6	12.6	12.6	12.2	13.0	13.1	13.1
MOSUL	12.5	12.5	14.0	12.9	12.2	12.4	13.1	12.9	12.8
KIRKUK	12.8	12.8	13.3	12.3	11.6	12.2	13.1	13.1	12.6
RUTBAH	10.3	10.8	10.7	9.3	7.8	7.3	9.8	10.9	9.6
HAI	14.1	14.5	14.7	13.3	12.0	12.3	14.0	14.0	13.6
DIWANIYA	13.3	14.1	15.2	13.1	13.1	12.3	13.3	13.0	13.4
NASIRIYA	15.5	15.9	14.9	13.0	12.0	14.2	16.1	16.3	14.7
BASRAH	19.0	18.8	18.9	18.6	18.9	18.8	19.4	19.1	18.9

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.3	0.7	0.4	0.8	1.8	1.4	0.6	0.8	0.8
MOSUL	2.5	2.3	1.8	3.0	3.8	2.7	2.4	2.3	2.6
KIRKUK	2.2	2.0	1.7	3.0	3.1	3.1	2.4	1.9	2.4
KHANAQIN	...	3.0	2.1	2.4	4.0	3.4	2.4	...	2.9
RUTBAH	1.8	1.9	1.6	2.5	3.0	3.5	2.0	1.8	2.4
HAI	1.2	1.4	1.1	1.6	1.7	2.1	1.4	1.2	1.5
DIWANIYA	0.8	0.7	0.5	1.1	1.2	1.4	1.2	0.7	0.9
NASIRIYA	1.1	1.2	0.8	1.3	1.8	1.6	0.9	1.3	1.3
BASRAH	0.2	0.3	0.2	0.6	1.0	0.9	0.3	0.1	0.5
HABBANIYA	0.8	1.0	0.6	1.4	1.9	1.6	0.8	1.0	1.1

TABLE 11

MONTHLY MEAN TOTAL CLOUD AMOUNT (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	2.6	3.7	3.4	4.1	5.0	4.8	4.0	3.3	3.8
MOSUL	3.5	3.3	3.2	4.4	5.5	4.8	3.5	3.3	3.9
KIRKUK	2.8	3.3	3.0	4.1	4.6	4.6	3.0	3.0	3.5
KHANAQIN	...	3.8	3.5	4.0	5.0	5.4	3.7	...	4.2
RUTBAH	2.7	3.7	3.7	4.6	5.1	4.5	3.0	2.5	3.7
HAI	3.5	3.7	3.8	4.3	5.2	5.1	3.9	3.7	4.2
DIWANIYA	2.1	2.9	2.7	3.5	4.3	4.1	2.4	2.2	3.0
NASIRIYA	2.7	3.1	2.9	3.7	4.4	4.3	3.0	2.6	3.3
BASRAH	2.0	2.7	2.6	3.3	3.9	3.7	2.6	2.4	2.9
HABBANIYA	2.9	3.4	3.0	4.1	4.8	4.2	3.7	3.5	3.7

TABLE 12 MAY 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

BAGHDAD

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	8	2	3	3	0	1	2	6	6	22	3	0	0	5
0300	5	4	3	2	1	0	5	7	4	24	3	0	0	5
0600	2	7	2	1	4	0	3	11	1	27	3	0	0	6
0900	4	4	6	1	2	2	0	12	0	25	6	0	0	8
1200	7	1	1	1	2	3	5	11	0	22	8	1	0	8
1500	7	6	1	1	0	1	5	10	0	25	6	0	0	8
1800	9	2	6	1	0	0	5	6	2	27	2	0	0	6
2100	3	3	5	2	1	0	6	8	3	25	3	0	0	6
TOTAL	45	29	27	12	10	7	31	71	16	197	34	1	0	7

MOSUL

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	5	3	2	1	1	0	2	6	11	18	2	0	0	3
0300	5	8	0	1	0	2	3	5	7	21	3	0	0	7
0600	10	8	5	3	0	0	2	3	0	29	2	0	0	6
0900	6	3	11	5	0	1	3	2	0	27	4	0	0	6
1200	9	4	4	3	2	3	2	4	0	25	6	0	0	7
1500	8	5	2	3	3	2	2	6	0	28	3	0	0	7
1800	8	4	2	1	2	1	4	7	2	25	2	2	0	6
2100	7	0	3	3	2	1	8	3	4	24	3	0	0	5
TOTAL	58	35	29	20	10	10	26	36	24	197	25	2	0	6

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	2	0	2	1	1	5	3	14	14	2	1	0	5
0300	1	1	4	2	2	5	8	5	3	21	6	1	0	7
0600	1	2	2	1	3	9	4	4	5	20	5	1	0	6
0900	1	1	5	1	5	2	13	1	2	18	9	2	0	9
1200	4	1	2	4	1	4	10	4	1	19	10	1	0	10
1500	6	1	3	1	1	1	10	7	1	13	15	2	0	10
1800	5	2	4	1	1	1	3	6	8	16	5	2	0	7
2100	2	6	3	1	1	3	1	3	11	14	5	1	0	5
TOTAL	23	16	23	13	15	26	54	33	45	135	57	11	0	7

KIRKUK

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	16	7	1	1	0	0	2	1	28	28	0	0	5
0300	1	15	6	6	1	1	0	0	1	28	2	0	0	5
0600	2	1	5	8	6	2	2	2	3	25	3	0	0	5
0900	2	2	4	2	8	6	3	3	1	24	6	0	0	7
1200	5	4	0	1	7	6	5	3	0	27	4	0	0	7
1500	6	5	0	3	5	2	4	3	3	23	4	1	0	6
1800	6	10	3	3	3	1	1	1	3	25	3	0	0	5
2100	9	13	7	1	1	0	0	0	0	28	3	0	0	5
TOTAL	34	66	32	25	32	18	15	14	12	208	27	1	0	6

TABLE 12-CONT. MAY 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

NASIRIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	5	3	2	8	1	1	4	6	1	22	6	2	0	8
0300	6	5	4	3	1	2	5	5	0	24	7	0	0	7
0600	6	1	6	2	4	1	1	10	0	22	9	0	0	9
0900	7	0	8	2	2	1	3	8	0	19	12	0	0	10
1200	4	0	11	2	0	0	2	12	0	21	10	0	0	10
1500	7	1	10	1	0	0	3	8	1	21	9	0	0	9
1800	4	2	10	3	2	0	3	7	0	21	10	0	0	9
2100	7	3	2	6	0	0	3	6	4	20	6	1	0	7
TOTAL	46	15	53	27	10	5	24	62	6	170	69	3	0	9

BASRAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	3	3	2	3	1	4	8	4	22	5	0	0	6
0300	3	3	2	2	3	0	6	3	9	16	6	0	0	5
0600	5	1	2	2	3	1	9	4	4	17	9	1	0	8
0900	4	2	1	3	1	2	7	9	2	16	13	0	0	9
1200	5	1	2	2	2	0	7	11	1	19	11	0	0	9
1500	5	2	5	2	1	0	7	9	0	25	5	1	0	7
1800	6	1	3	4	1	0	4	6	6	20	5	0	0	5
2100	9	3	4	3	2	1	5	5	8	18	5	0	0	6
TOTAL	31	16	22	20	16	5	49	55	34	153	59	2	0	7

KHANAQIN

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	0	0	13	1	3	0	0	0	14	16	1	0	0	2
0600	0	3	6	1	4	1	1	0	15	15	1	0	0	3
0900	2	2	3	0	11	1	2	2	7	21	2	1	0	5
1200	5	0	6	1	10	0	1	4	4	22	4	0	1	7
1500	5	1	5	1	7	0	3	3	5	22	3	1	0	6
1800	0	1	11	0	4	0	0	2	13	16	2	0	0	3
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	12	6	44	4	39	2	7	11	58	112	13	2	1	4

HAI

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	1	0	5	1	1	0	13	2	8	14	7	2	0	8
0300	1	1	2	0	1	0	16	1	9	18	4	0	0	6
0600	1	2	5	1	0	0	16	2	4	15	12	0	0	8
0900	1	3	5	2	1	0	13	4	2	15	14	0	0	10
1200	2	2	9	1	2	0	10	3	2	14	14	1	0	10
1500	3	0	8	0	0	0	15	2	3	18	9	1	0	9
1800	2	0	6	1	0	0	12	3	7	15	8	1	0	8
2100	4	0	5	1	0	0	11	3	7	13	9	1	1	9
TOTAL	15	8	45	7	5	0	106	20	42	122	77	6	1	9

TABLE 12-CONT. MAY 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

DIWANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	8	2	3	2	1	0	7	1	7	17	7	0	0	7
0300	8	2	4	2	1	0	3	1	10	20	1	0	0	4
0600	12	1	5	1	4	0	5	1	2	22	7	0	0	7
0900	10	0	7	1	1	1	8	2	1	22	8	0	0	7
1200	9	2	3	0	2	0	11	1	3	19	9	0	0	8
1500	13	1	3	1	0	0	7	2	4	26	1	0	0	6
1800	8	3	2	4	0	1	4	1	8	20	2	1	0	5
2100	6	6	4	4	0	0	6	0	5	25	1	0	0	5
TOTAL	74	17	31	15	9	2	51	9	40	171	36	1	0	6

HABBANIYA

TIME	DIRECTION									MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	V.K.
0000	6	0	5	2	2	2	5	2	7	4
0300	5	0	3	2	0	4	8	4	5	5
0600	7	3	0	3	1	4	7	6	0	7
0900	5	2	2	1	3	6	6	6	0	8
1200	2	2	1	0	6	5	7	8	0	9
1500	7	1	4	2	4	1	5	7	0	8
1800	8	5	2	3	0	1	5	4	3	5
2100	6	4	5	0	1	2	4	4	5	6
TOTAL	46	17	22	13	17	29	47	41	20	7

TABLE 13

NUMBER OF CASES OF :-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	9	0	0	2	0	1	6	2
MOSUL	15	0	1	9	0	0	4	1
KIRKUK	15	0	1	9	0	1	5	3
KHANAQIN	10	0	0	5	0	0	5	5
RUTBAH	8	0	0	6	0	1	4	3
HAI	7	0	1	12	0	2	7	8
DIWANIYA	7	0	0	5	0	2	8	1
NASIRIYA	4	0	0	6	0	3	7	2
BASRAH	4	0	0	4	0	4	11	3
HABBANIYA	12	0	0	3	0	1	5	1

TABLE 14 MAY 1957

DAILY PRECIPITATION UNIT (MILLIMETERS , tr. < 0.05 mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1	1.1		0.6	4.2	0.5	2.0	2.7	6.9	2.2	0.3
2	0.2		29.4	2.4	tr.				tr.	1.6
3		0.5	1.3							
4				2.3						
5	1.9	0.1			4.5	1.9	0.4	tr.	tr.	3.5
6	1.3	1.1	4.9	30.2	tr.	7.8			1.5	
7	tr.	1.7	1.3		1.3					
8	0.4	8.5	41.4	tr.	0.1	tr.				1.4
9	0.1	2.8	0.6	1.2	4.0					1.7
10		1.1	0.3	2.1	1.8	tr.		tr.	tr.	
11	0.3		4.7				tr.	4.2	tr.	1.0
12	5.8				46.6	1.7	19.0	0.1	tr.	7.9
13	14.2	19.1	8.3	15.7	tr.	1.3	0.1	1.2		0.3
14	tr.	4.6	1.6					0.1		1.0
15	tr.				8.7			tr.	tr.	0.5
16		1.7								
17			1.2		0.4					
18	tr.	14.6	5.3	0.2			1.5	tr.	0.1	tr.
19		9.4								
20										
21										
22					tr.					
23		0.5			tr.					
24	tr.		0.2			tr.	3.0		tr.	2.0
25	tr.	0.9	10.3	14.0	tr.	9.1	25.6	1.3	13.2	
26	3.2	0.9		9.4		3.5	7.9		0.2	4.5
27		0.2								
28										
29										
30										
31										
TOTAL	28.5	67.7	111.4	81.7	67.9	27.3	60.2	13.8	13.9	25.3

TABLE 15 MAY 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

ATE	AMADIA	SINJAR	SANAT	TELAA-FAR	QAYA-RA	BAIJI	QALAT-DIZA	SULAI-MANIYA	BIN-KARD	HIT
1		9.3					5.0	15.0	3.6	
2	3.0	1.2	10.1	1.0				4.5		
3								25.5	4.0	
4			15.4				6.0	1.5	2.0	
5		2.0	4.2	1.7			5.0			1.7
6		1.7	47.3		21.0		4.5	5.0	5.0	
7	19.5	5.1	12.1	2.0			20.5	1.7	37.0	
8	2.2	2.2	25.5	2.5		34.0	20.0	10.7	35.0	
9	20.5		29.2	0.5			5.0	21.4	6.7	5.0
10	4.3		4.9			0.6		3.0	0.8	1.4
11						0.2				
12										
13	34.3	26.7	5.4	17.0	3.0	12.5	18.5		23.4	9.8
14	7.1		45.2	6.0				19.4		
15			20.7							1.3
16				3.4						
17	6.3		54.8							
18	39.0		12.3				38.5		16.0	
19								0.6		
20	5.3							2.8		
21			6.3							
22	6.3								[illegible]	
23			10.4	3.4						
24	1.5		15.6			1.9	1.0			
25	5.4	31.4	[illegible]			2.6	20.0	8.0	22.3	9.1
26		17.8	40.1		4.5		3.0	22.5	1.8	11.1
27	4.2		8.5		5.5		1.5			
28										
29										
30										
31										
TOTAL	158.4	97.4	368.0	37.5	34.0	51.8	148.5	141.6	157.6	39.4

TABLE 15-CONT. MAY 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	SHAQ-LAWA	BAD-AA	BAKRA-JO	ARBIL	DIA-LA	CHUAR-TA	RAYAT	DUHOK	HALA-BJAH	HAWI-JAH
1	4.6		6.5			15.1	2.4	4.6	6.5	1.9
2	16.0		10.0	5.0		9.0	5.7	10.2	11.7	
3			6.5	5.0		3.9	1.5	4.4	4.0	
4							4.3	5.3		
5			8.0			8.4	2.3	11.6	3.0	
6	14.0		6.0		3.0	2.6	8.4		9.0	
7	18.0		65.0	22.2	3.0	15.3	16.0	5.9		22.8
8	12.0		27.5		1.0	27.2		16.0	3.5	
9			4.0		1.0	2.5				
10	2.5						5.4	3.8	4.0	
11								8.2		
12							2.4			
13	36.0		14.5	58.5	21.0	26.1	3.5	2.4	10.0	35.0
14						0.7	10.5	9.1		1.5
15								7.4		
16	5.0							21.2		
17	1.0	8.0				0.4	8.9			
18	35.6		2.0	4.5		4.2			3.0	
19			5.5	5.0		3.5	29.5		1.5	
20							2.3			
21							3.8			
22							2.7			
23										
24			16.0			16.3			5.0	
25	2.0		39.0		47.0	19.5	4.5		19.0	24.5
26	3.0			1.5		0.5			3.0	2.0
27	1.0			6.4		0.3	5.4			
28							3.4			
29										
30										
31										
TOTAL	151.2	8.0	210.5	99.1	76.0	155.5	132.9	110.1	83.2	87.7

TABLE 15-CONT. MAY 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	SALAH-ALDDIN	PENJWIN	MIRZA-RUSTAM	RAWAN-DUZ	SER-SANK	IFTI-KHAR	TEL-AWAINAT	HINDIA	KAR-BALAA	GHABI-SHIYA
1	34.3	15.0	0.5							
2		10.0	0.3	38.5	1.8					
3	25.4	8.0	0.7	0.3	2.0					
4	38.1	10.0	0.5	20.5	2.8					
5				30.0	3.0			3.5		
6		10.0	0.5		23.4					
7	17.8	15.0	1.6	30.0	1.0					
8	3.3	11.0	4.0	40.7	10.7	19.1				
9	20.3	31.0		10.1	1.3	5.1	18.0			
10	3.0	16.0			1.5					
11										
12								14.0		
13			3.0	30.0	35.6	14.0		16.8	14.0	
14	50.8	35.0		10.5	2.0		30.2			
15										
16				0.6	6.6					
17				10.0	4.3					
18		15.0	2.1	50.6				1.6		
19	36.1									
20				10.4						
21										
22										
23										
24					0.3			4.7		
25		29.0	0.1		2.5	26.7				
26		18.0		20.8	2.5			12.0		
27	15.2			0.1			18.8			
28										
29										
30										
31										
TOTAL	244.1	223.0	13.3	303.1	101.3	64.9	67.0	52.6	14.0	0.0

TABLE 15-CONT. MAY 1957

DAILY PRECIPITATION FOR SELECTED STATIONS UNIT (MILLIMETERS)

DATE	MAQIL	UR	AIN-SIFNI	BER-ZANJA	BELLI	DIANA	FATHA	IFRAZ	QADIR-KARAM	KHAN-SPEKA
1	12.7		3.0	10.5	2.5			0.4	tr.	3.0
2		7.6	3.0	0.4	1.8	3.0		2.4	9.7	7.0
3				0.6	2.0	1.0			2.8	2.0
4					2.3	15.0				
5				12.5	7.5	0.5			5.3	14.0
6				6.0	21.3	10.5	tr.	9.0		9.0
7	2.0			10.6	9.1	10.0	2.0		8.2	33.0
8			4.0	29.2	52.2	17.0	26.0	0.5	24.7	4.0
9			8.0	4.2	6.7	5.1	1.8	4.1	4.4	
10			5.0		5.4	2.0				
11					1.5	0.5				
12										45.0
13					46.8	13.6	20.5	33.2	15.4	
14			3.0		7.3	0.5				
15				8.9						
16						4.3				4.0
17					1.6	4.9				3.0
18			4.0	5.9	33.9	22.3		1.3	0.5	5.0
19				28.7	2.0	0.2		1.1	6,2	
20					tr.					
21			3.0			0.3				
22										
23										11.0
24				21.7		tr.	1.5		tr.	19.0
25			8.0	20.8		tr.	7.7		14.2	
26	10.4				12.0	9.6	tr.	1.0		
27						0.8	3.0			
28										
29										
30										
31										
TOTAL	25.1	7.6	38.0	160.0	215.7	121.1	60.1	54.9	91.4	166.0

TABLE 15-CONT. MAY 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT (MILLIMETERS)

DATE	KWAISINJAK	MAKHMOUR	DARBAN-KHAN	DUKAN	KOFRI	TAGTAG	BAIJI
1		9.0	15.1	5.0			
2	3.0	4.0	12.8	0.5	5.5		
3	4.0		89.5	2.0			
4	7.0		tr.	tr.	2.3	tr.	
5			7.0	1.0	6.2		
6	2.0		5.2	6.0		10.0	
7	9.0		7.5	16.5	13.5	15.0	
8	3.0	8.0	7.6	39.0	2.3	8.0	34.0
9	7.0	5.0	4.6	3.0	5.5		
10	12.0		0.5				
11				1.0			
12	4.0						
13	2.0	38.0	31.5	27.0	19.0	16.0	12.5
14	48.0		tr.	1.0		18.0	
15	3.0						
16				tr.			
17				1.0			
18	25.0			10.0		8.0	
19			6.0	0.5			
20							
21							
22							
23							
24		10.0	1.0	tr.		17.0	1.9
25			23.1	7.5	4.5	5.0	2.6
26	8.0	12.5		1.5	tr.		
27	1.0						
28							
29							
30							
31							
TOTAL	138.0	86.5	210.4	122.5	58.8	97.0	51.8

TABLE 16

BAGHDAD AIRPORT

Month May
Year 1957

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																1/1									1
>200 -500M																									
>500 -1000M								1/1																	1
>1000 -1500M																									
>1500 -3000M						1	1/1																		2
>3 -5KM			1	3	1					1							2			1					9
>5 -10KM		1	6	6	4	1	1		2		1	2/2	2/2	2/2	1/2	1/1	9	1/9	1		2	2	2		56
>10 -15KM	7	9	8	9	11	7	6	3	3	5	3	1	5	6	5	7	11	12	14	11	9	7	5	6	168
>15	24	21	16	13	15	22	25	27	26	25	27	28	24	23	24	22	9	10	16	19	20	22	24	25	507
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE

In the fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Different Heights Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M									1	1	1														3
>300 -500M																									
>500 -900M											1		1	1	1	2									6
>900M	7	6	11	12	14	14	12	9	11	13	12	16	16	19	20	14	17	17	14	14	15	13	13	9	318

BASRAH AIRPORT

Month May
Year 1957

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																1/1									1
>500 -1000																									
>1000 -1500M				1/1																					1
>1500 -3000M			1/1		1/1	1/1	1/1	1/1	1/1														1/1		7
>3 -5KM		1/1								1/1															2
>5 -10KM	1/1		1	2										1		1/1	1/1				2/2	2/3	2/3	2/3	17
>10 -15KM	2	2	6	10	3	1	1	1	2	3	6	7	6	5	7	5	5	1	1	1	1	2	2	1	81
>15KM	28	28	23	18	27	29	29	29	28	27	25	24	25	25	24	24	25	30	30	30	28	26	26	27	635
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE
In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Different Heights Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M										1	1	1	1												4
>900M	8	6	7	9	8	11	10	10	9	13	14	14	14	14	14	14	13	12	10	10	10	8	8	8	244

TABLE 17

Baghdad Airport

Month May

Year 1957

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≥ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1Km			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																1.												1.		
																		1												1
>300-500																														
>500-900																							1				2		1	2
																								1			2			3
<5/8 OR * >900 AND ≥ 5/8													1.			3				6	1.	7	9	4	24	13	25	31	31	31
			1																	2	1.	5	4	7	25	24	20	30	30	29
			1										1.					3	1	2	13	14	7	57	16	22	169	31	31	244
TOTAL													1.			3				6	1.	7	9	4	24	13	25	31	31	31
			1											1.						2	1	5	5	7	25	24	22	31	31	31
			1										1.					4	1.	2	13	14	7	58	16	22	171	31	31	248

Note

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

* ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 17-CONT.

Month May
Year 1957

BASRAH AIRPORT

Simultaneous Occurrences Of
Specified Visibility Ranges and Specified Lowest
Cloud Base (≥ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			> 5-10KM			> 10-15KM			> 15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																							1					1		
																									1	2		1	2	
																								1			3			4
<5/8 OR* >900 AND ≥ 5/8										1				1					1	2		2	9	1	28	18	29	31	30	31
						1										1					1	3	6	5	26	23	24	30	29	31
						1					1			1				1		3	7	1	2	29	30	26	204	31	31	244
TOTAL										1				1					1	2		2	10	1	28	18	29	31	31	31
						1										1					1	3	6	5	27	25	24	31	31	31
						1					1			1				1		3	7	1	2	30	30	26	207	31	31	248

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

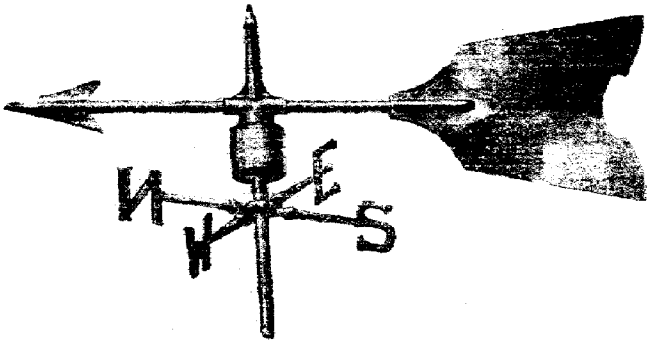
الحكومة العراقية

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

التقرير الجوي الشهري
للعراق
بغداد



GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REPORT FOR IRAQ.

Meteorological Service

BAGHDAD.

June 1957

5 JUN 1957

JAN 6 - 1958
WEATHER BUR

STATION INDEX

STATION	LATITUDE	LONGITUDE	Ha.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBAH	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HIT	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Ha. means Height of Station above M.S.L. in (Meters)
2. Hb. means Height of Barometer cistern above M.S.L. in (Meters)
3. Ha. means Height of Anemometer above the ground. in (Meters)

STATION	LATITUDE N.	LONGITUDE E.	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 [illegible] N.	42 41 E.	442 m.
AMADIA	37 [illegible] N.	43 30 E.	1236 m.
RAWANDUZ	36 [illegible] N.	44 33 E.	1006 m.
AQRA	36 [illegible] N.	43 53 E.	716 m.
TEL AWAIKAT	36 [illegible] N.	42 24 E.	346 m.
SINJAR	36 [illegible] N.	41 50 E.	476 m.
TELLAFAR	36 [illegible] N.	42 28 E.	373 m.
QAYARA	35 [illegible] N.	43 17 E.	130 m.
ANFIL	36 [illegible] N.	44 00 E.	414 m.
CHAMCHAMAL	35 [illegible] N.	44 51 E.	701 m.
SULAIMANIYA	35 [illegible] N.	45 27 E.	853 m.
PENJWIN	35 [illegible] N.	45 58 E.	1311 m.
BARRAJOH	35 [illegible] N.	45 23 E.	750 m.
HALABJAH	35 [illegible] N.	45 59 E.	724 m.
ISTIKHAR	35 [illegible] N.	44 27 E.	204 m.
CHUARTAH	35 [illegible] N.	45 33 E.	1356 m.
SALAHDDIN	36 [illegible] N.	44 13 E.	1088 m.
BAZIAN	36 [illegible] N.	44 57 E.	2610 m.
SHIRWAN	36 [illegible] N.	42 48 E.	–
DOHUK	36 52 N.	43 02 E.	860 m.
[illegible] RUSTAM	36 [illegible] N.	44 58 E.	459 m.
[illegible]LAWA	36 23 N.	44 20 E.	–
[illegible]NK	36 58 N.	43 32 E.	1046 m.
[illegible]RD	36 05 N.	43 03 E.	708 m.
[illegible] (BILLE)	36 [illegible] N.	44 05 E.	600 m.
[illegible]LA	36 [illegible] N.	45 07 E.	650 m.
KO[illegible]	34 [illegible] N.	44 57 E.	250 m.
[illegible]	36 [illegible] N.	43 48 E.	285 m.
TU[illegible]	34 [illegible] N.	44 39 E.	220 m.
QADIR KARAM	35 [illegible] N.	44 53 E.	400m.
MUNMUR	35 [illegible] N.	43 34 E.	450 m.
AIN SIFNI	36 [illegible] N.	43 21 E.	550 m.
KAI SANJAC	36 [illegible] N.	44 38 E.	600 m.
TAG TAG	35 [illegible] N.	44 35 E.	550 m.
BAIJIH	34 [illegible] N.	43 29 E.	115 m.
ANA	34 [illegible] N.	41 27 E.	–
DIALA (SEDOR)	34 [illegible] N.	45 01 E.	68 m.
JALAWLAA	34 [illegible] N.	45 09 E.	119 m.
HIT	33 [illegible] N.	42 50 E.	58 m.
KARBALAA	32 [illegible] N.	44 01 E.	29 m.
HINDIYA	32 [illegible] N.	44 17 E.	24 m.
HILLA	32 [illegible] N.	44 26 E.	27 m.
KUT	32 [illegible] N.	45 45 E.	19 m.
MANDILY	33 [illegible] N.	45 33 E.	137 m.
NUKHAIB	35 [illegible] N.	42 15 E.	305 m.
AMARA	31 [illegible] N.	47 10 E.	9 m.
SHADICHA	30 [illegible] N.	43 41 E.	–
SAMAWA	31 [illegible] N.	45 16 E.	6 m.
[illegible]	31 [illegible] N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
[illegible]IL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

C O N T E N T S

TABLE		PAGE
–	MAP SHOWING ALL METEOROLOGICAL STATIONS.	SEE JANUARY
1	MEAN DAILY TEMPERATURE.	1
2	MONTHLY MEAN GRASS MIN. TEMPERATURES, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES.	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE.	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE WIND.	6-8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS.	10
16	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE.	11-12
17	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE.	13-14

PREPARED AND PUBLISHED
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CLIMATOLOGICAL SECTION

TABLE 1

JUNE 1957

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWANIYA	NASIRIYA	BASRAH
1	34.2	29.6	29.9	30.2	32.4	32.6	29.7	31.5
2	33.4	27.2	29.5	28.6	32.8	32.6	24.9	31.5
3	33.2	27.3	30.1	29.0	32.1	32.3	32.2	31.4
4	30.3	28.5	30.6	22.7	29.7	29.9	30.8	32.5
5	27.8	21.6	24.9	22.9	28.1	28.0	28.8	29.0
6	28.2	23.7	24.6	23.3	27.7	27.9	28.0	28.8
7	28.4	24.5	25.7	26.2	27.8	27.4	28.5	30.3
8	29.5	25.5	24.6	26.3	27.6	28.1	27.8	27.7
9	30.9	26.0	28.1	28.0	29.5	28.4	29.3	29.3
10	31.7	28.3	30.0	29.0	30.6	31.2	30.1	30.9
11	33.6	29.0	31.7	28.0	31.7	32.4	32.3	32.6
12	33.4	30.9	30.7	27.6	33.1	33.3	31.8	33.4
13	31.9	27.1	31.0	26.4	33.0	32.2	33.1	32.9
14	32.2	26.9	28.8	26.1	32.0	31.4	30.8	31.6
15	32.8	28.0	29.1	28.0	32.0	32.1	32.2	32.5
16	33.8	30,2	31,8	28.3	32.5	33.3	33.8	33.2
17	35.5	36.3	33.3	28.1	33.4	34.0	35.3	34.0
18	36.0	29.7	31.8	29.8	35.3	35.0	36.0	35.6
19	34.8	29.6	31.8	29.7	36.2	34.9	35.4	34.2
20	35.2	28.6	31.5	30.8	34.4	33.8	32.0	32.9
21	34.7	29.5	31.9	31.5	33.6	33.1	31.0	32.1
22	35.1	30.9	33.8	32.3	33.2	33.5	31.8	32.1
23	35.8	32.0	34.2	31.1	33.9	34.3	33.1	33.2
24	35.5	32.3	34.6	32.2	35.1	34.1	34.3	34.1
25	35.2	34.1	35.7	31.8	34.9	34.3	35.0	34.2
26	36.4	33.0	36.1	31.3	35.8	34.4	37.1	37.7
27	33.4	33.4	35.3	31.9	33.8	33.1	36.4	34.6
28	35.0	33.6	34.6	31.7	33.9	34.6	34.8	34.8
29	35.2	33.0	35.2	30.3	35.6	34.3	32.2	34.6
30	36.0	33.6	35.2	30.3	34.1	34.2	33.0	33.9
MEANS	33.3	29.5	31.2	28.8	32.5	32.4	32.1	32.6

TABLE 2

MONTHLY MEAN TEMPERATURES

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	33.3	26.6	378.4
MOSUL	12.8	32.6	26.7	.....
KIRKUK	20.2	28.9	25.3	.....
HAI	20.8	....	....	.....
BASRAH	19.7	....	....	338.5
HABBANIYA	21.7	34.6	28.6	378.2

TABLE 3 JUNE 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	42.0	24.1	38.8	17.7	37.6	21.5	35.5	26.3	41.1	22.8
2	41.4	26.2	37.7	15.6	36.6	20.6	35.3	28.1	40.5	23.9
3	42.0	21.8	38.6	15.7	37.7	22.6	37.2	25.4	40.5	23.3
4	37.0	25.6	37.7	17.7	37.1	24.3	41.6	25.5	35.5	26.1
5	34.4	20.5	28.7	16.7	31.4	20.8	32.2	26.7	33.9	22.2
6	34.5	19.1	32.1	15.1	30.8	20.1	32.2	24.1	35.0	21.1
7	35.0	22.0	34.1	13.6	31.4	19.9	32.8	24.0	34.4	20.0
8	36.3	22.2	34.2	14.7	32.9	20.9	31.4	24.2	36.1	21.1
9	38.0	23.0	35.2	14.6	33.8	21.4	24.5	23.9	37.2	21.1
10	40.0	23.6	36.3	17.6	36.2	21.1	37.6	24.9	39.4	22.2
11	41.0	24.9	39.0	18.0	39.0	22.4	41.8	24.6	41.1	23.9
12	42.0	23.6	40.4	21.4	39.9	24.4	40.4	26.2	41.6	23.9
13	41.0	22.2	37.8	19.1	38.5	26.1	37.9	27.8	40.5	23.9
14	39.0	25.5	36.0	18.8	35.0	23.1	36.2	27.2	36.6	22.8
15	39.0	24.5	37.4	16.4	35.6	22.5	38.1	26.2	37.8	22.2
16	41.4	24.6	40.3	17.8	38.0	23.6	39.0	27.4	41.1	25.0
17	44.0	24.0	40.7	19.7	40.2	24.5	40.8	27.7	41.6	25.0
18	43.7	28.0	39.4	18.3	39.2	23.7	41.6	29.7	42.2	26.1
19	42.2	24.4	39.6	19.3	37.8	24.9	39.0	29.2	41.6	25.0
20	42.3	28.5	39.5	16.9	38.4	23.8	36.4	30.0	40.5	25.0
21	43.8	26.0	40.7	17.4	40.0	22.8	37.3	27.9	42.2	23.3
22	44.6	22.1	41.8	18.1	41.1	25.1	38.4	27.9	42.8	23.9
23	44.6	25.3	42.1	18.4	41.0	25.3	38.6	26.7	43.3	23.9
24	44.7	27.0	40.8	21.1	40.9	25.5	40.1	29.3	42.8	25.0
25	45.2	23.5	42.9	26.6	41.4	30.4	39.8	27.9	44.4	25.5
26	46.9	26.4	42.0	27.2	42.9	30.2	48.2	29.0	45.0	27.2
27	42.2	23.2	43.1	24.8	42.2	31.3	41.1	28.4	42.8	25.5
28	44.2	23.4	42.1	20.9	42.0	26.0	39.6	30.1	42.8	27.2
29	44.5	25.0	43.4	21.2	41.8	26.2	38.5	30.0	42.8	26.2
30	45.2	28.3	44.1	22.6	42.8	27.4	38.7	30.0	42.8	28.3
MEANS	41.4	24.3	39.2	18.8	38.1	24.1	38.1	27.2	40.3	24.1
NORMAL	40.8	22.9	39.5	18.5	39.3	23.3	38.1	27.3	41.3	23.1

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	48.3	18	1949	14.4	4	1943
MOSUL	46.1	24	1942	11.1	1	1952
KIRKUK	46.1	24	1942	13.9	2	1943
BASRAH	48.2	26	1957	20.5	1	1952
HABBANIYA	48.9	24	1942	15.6	4 &3	1937 1943

TABLE 3-CONT. (3) JUNE 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBAH		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	39.4	21.7	37.2	21.9	40.0	24.6	39.7	24.3	33.0	26.2
2	39.3	20.6	36.7	20.6	39.1	26.8	40.0	23.5	37.2	25.2
3	39.5	20.0	36.4	20.3	40.0	23.8	40.0	22.0	40.1	26.2
4	38.9	24.5	27.0	19.2	36.9	24.1	36.2	23.0	38.2	23.4
5	33.0	21.7	28.4	18.6	34.5	22.0	35.0	22.2	34.8	25.2
6	32.4	22.2	30.2	17.2	33.5	20.4	33.8	21.6	37.6	21.0
7	31.1	21.7	33.0	17.7	33.8	21.6	33.6	20.2	32.7	25.0
8	34.0	20.5	34.7	18.0	35.5	18.6	35.4	19.6	34.9	21.3
9	36.7	24.4	34.7	18.3	37.4	20.2	36.9	19.2	36.6	20.6
10	39.5	22.2	35.0	22.4	39.0	20.8	39.4	21.2	38.6	21.0
11	42.2	21.7	36.3	20.0	39.8	22.2	41.0	21.6	39.8	24.7
12	40.6	24.4	35.2	19.5	40.2	25.4	41.2	26.6	39.5	23.4
13	39.4	24.0	39.5	20.1	40.8	23.4	40.6	22.6	41.3	25.1
14	38.3	23.5	32.2	19.5	39.5	24.2	38.4	23.9	38.6	22.6
15	37.8	20.0	35.2	20.2	39.4	25.2	38.4	23.3	40.4	22.0
16	38.3	22.2	35.4	19.4	39.8	24.6	40.0	26.0	41.2	26.4
17	42.3	22.8	35.8	19.4	42.3	24.0	42.0	25.6	44.2	26.2
18	43.3	22.8	37.0	22.4	43.5	26.0	43.4	26.0	45.2	26.2
19	41.0	25.0	[illegible]	22.3	42.4	30.2	42.8	28.6	42.7	31.0
20	41.1	20.0	38.2	[illegible]	41.4	28.4	40.9	26.0	39.0	28.0
21	42.8	20.0	39.5	20.4	41.6	26.3	40.8	22.6	36.0	26.2
22	42.8	21.7	39.6	20.7	42.8	24.2	42.4	23.6	39.4	25.2
23	43.3	22.2	38.5	20.3	42.7	26.4	42.6	24.6	40.4	27.3
24	42.8	21.6	40.0	20.4	42.8	26.8	42.1	22.6	43.0	25.2
25	43.3	23.0	39.9	23.7	43.5	24.8	42.4	23.8	45.2	24.2
26	45.6	25.3	39.0	22.5	44.6	25.0	44.5	24.4	47.3	26.0
27	43.6	29.0	38.1	24.4	42.3	23.6	42.4	21.0	45.1	25.2
28	43.6	25.5	38.3	23.4	42.1	24.9	42.0	26.6	42.8	29.0
29	43.9	24.6	37.6	23.3	42.0	29.4	41.0	28.1	40.7	31.0
30	44.4	25.0	38.7	21.6	43.2	26.6	40.8	28.6	39.2	28.5
MEANS	40.4	22.8	36.0	20.7	40.2	24.5	40.5	24.1	39.9	25.3
NORMAL	40.8	22.6	36.0	18.6	41.9	24.8	40.8	22.3	39.8	24.9

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	47.2	25&28	1942	14.4	4	1938
RUTBAH	44.5	17	1949	7.8	22	1936
DIWANIYA	46.6	24 &28	1942 1947	14.4	1	1942
HAI	49.5	26	1942	18.3	1	1943
NASIRIYA	48.3	26&27	1955	18.3	13&26	1943

TABLE 4 JUNE 1957

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	27.4	25.6	34.2	38.6	40.2	39.2	32.5	29.4	33.4
MOSUL	21.3	21.1	30.2	36.4	37.3	35.6	28.4	24.0	29.3
KIRKUK	25.8	26.2	33.0	36.0	36.8	35.4	29.7	27.3	31.3
KHANAQIN	....	24.4	34.7	38.7	39.1	37.3	31.4	....	34.3
RUTBAH	22.9	21.6	28.4	33.0	35.2	34.1	29.2	25.4	28.7
HAI	26.1	25.7	33.8	38.5	39.7	37.0	31.1	28.1	32.5
DIWANIYA	25.6	24.9	33.4	34.1	39.4	37.2	31.4	28.6	32.5
NASIRIYA	27.0	26.4	32.6	37.3	38.3	36.3	31.6	29.4	32.4
BASRAH	28.6	28.3	32.7	35.5	37.1	35.8	32.1	30.3	32.6
HABBANIYA	26.5	24.9	31.9	38.0	40.0	38.8	32.1	28.9	32.6

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	17.2	16.5	20.4	21.0	21.3	20.7	19.1	18.0	19.3
MOSUL	14.7	15.1	18.2	19.9	20.0	19.8	17.1	15.6	17.5
KIRKUK	15.4	15.8	18.1	18.5	18.6	17.9	16.4	15.7	17.1
KHANAQIN	....	15.6	19.6	20.4	20.4	19.8	18.3	....	19.0
RUTBAH	14.0	13.8	16.4	17.4	17.0	15.4	14.6	14.6	15.8
HAI	17.2	17.3	21.2	21.5	21.3	20.9	19.1	17.9	19.5
DIWANIYA	17.2	17.5	21.5	22.2	22.6	21.6	19.6	18.5	20.1
NASIRIYA	19.3	18.5	21.0	21.8	22.2	22.5	21.9	20.7	21.0
BASRAH	23.2	23.0	24.1	25.6	25.7	25.7	24.7	24.2	24.3
HABBANIYA	17.8	17.7	20.5	21.7	21.9	21.5	20.4	18.6	20.0

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS AT M.S.L.) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	02.5	03.0	03.7	03.5	02.3	01.7	02.6	02.7	1002.8
MOSUL	04.7	05.8	05.5	04.3	03.0	02.7	04.1	04.9	1004.1
KIRKUK	03.9	04.1	03.8	03.1	01.9	01.8	03.7	03.9	1003.3
KHANAQIN	....	03.2	02.6	02.4	01.1	01.4	02.4	....	1002.0
RUTBAH	04.5	05.2	05.2	04.9	03.9	03.5	04.0	04.3	1004.5
HAI	01.2	01.8	02.6	02.4	01.6	00.9	01.8	01.6	1001.7
DIWANIYA	02.1	03.0	03.5	03.5	02.2	01.6	02.6	02.4	1002.6
NASIRIYA	01.7	02.3	03.2	02.9	01.7	01.3	02.0	02.0	1002.1
BASRAH	01.6	02.0	02.8	02.8	02.0	01.6	01.9	01.9	1002.1
HABBANIYA	02.9	03.6	04.3	04.0	02.9	02.1	03.0	03.2	1003.3

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	36	39	28	20	18	18	28	32	27
MOSUL	52	54	33	21	19	22	32	43	35
KIRKUK	33	33	23	17	16	17	25	29	24
KHANAQIN	..	36	22	14	14	14	24	..	21
RUTBAH	37	41	29	19	16	16	22	29	26
HAI	42	44	33	22	19	22	32	37	31
DIWANIYA	44	49	33	23	23	24	34	38	34
NASIRIYA	49	48	37	26	26	31	44	46	38
BASRAH	63	63	48	45	39	43	52	59	52
HABBANIYA	40	47	33	20	17	18	31	35	30

TABLE 8

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	12.9	12.7	14.5	13.4	13.0	12.5	13.3	12.9	13.1
MOSUL	12.7	13.5	13.7	12.5	11.9	12.6	12.0	12.8	12.7
KIRKUK	10.7	11.2	11.0	9.7	9.3	9.0	10.0	10.3	10.2
KHANAQIN	....	10.7	10.7	9.5	9.2	9.1	10.7	....	9.7
RUTBAH	10.1	10.6	10.8	9.4	8.8	8.2	8.5	9.3	9.5
HAI	13.8	14.3	16.9	14.5	13.3	14.2	14.1	13.9	14.4
DIWANIYA	14.2	15.2	16.9	16.4	16.5	15.3	15.5	14.7	15.6
NASIRIYA	17.3	16.3	17.3	15.9	16.1	18.3	20.1	19.1	17.6
BASRAH	24.6	24.0	23.4	25.2	24.0	25.1	25.4	25.5	24.7
HABBANIYA	13.5	14.7	15.2	12.9	11.8	11.9	14.5	13.4	13.5

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	10.4	10.3	12.7	11.0	19.5	9.8	10.9	10.4	10.8
MOSUL	10.2	11.1	11.4	9.9	9.1	10.1	9.3	9.9	10.1
KIRKUK	7.6	8.4	8.1	6.1	5.4	5.0	6.4	7.1	6.8
RUTBAH	6.8	7.5	7.7	5.7	4.6	3.5	4.0	5.5	5.7
HAI	11.4	12.0	14.6	12.1	10.6	11.6	11.9	11.5	12.0
DIWANIYA	11.9	12.0	14.6	14.1	14.1	12.5	13.3	12.5	12.2
NASIRIYA	15.0	14.0	14.9	13.7	13.5	15.5	17.0	16.4	15.0
BASRAH	20.6	20.2	19.7	21.0	20.1	20.8	21.1	21.1	20.6

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.0	0.0	0.0	0.1	0.5	0.2	0.0	0.0	0.1
MOSUL	1.0	0.8	0.7	0.9	2.1	1.5	0.9	0.9	1.1
KIRKUK	0.9	1.0	0.7	0.8	1.4	1.3	0.7	0.8	1.0
KHANAQIN	...	1.0	0.2	1.0	1.4	1.0	0.5	...	0.9
RUTBAH	0.4	0.7	0.4	0.7	1.9	1.5	0.8	0.5	0.9
HAI	0.0	0.1	0.3	0.3	0.2	0.2	0.2	0.3	0.2
DIWANIYA	0.0	0.1	0.0	0.0	0.3	0.2	0.0	0.0	0.1
NASIRIYA	0.0	0.2	0.4	2.0	1.9	1.2	0.1	0.0	0.7
BASRAH	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
HABBANIYA	0.0	0.0	0.0	0.2	0.7	0.3	0.0	0.0	0.2

TABLE 11

MONTHLY MEAN TOTAL CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.7	0.9	0.5	0.9	1.4	1.1	0.8	0.8	0.9
MOSUL	1.6	1.4	1.3	1.4	2.7	2.3	1.6	1.5	1.7
KIRKUK	1.3	1.3	1.0	1.2	1.8	1.8	0.8	1.1	1.3
KHANAQIN	...	1.2	1.1	1.4	2.2	1.8	1.1	...	1.4
RUTBAH	0.5	0.9	0.8	1.0	2.1	1.7	0.9	0.6	1.1
HAI	0.4	0.6	0.6	0.7	0.7	0.6	0.7	0.7	0.6
DIWANIYA	0.0	0.5	0.3	0.3	0.8	0.5	0.6	0.2	0.4
NASIRIYA	0.3	0.5	0.7	2.3	2.3	1.5	0.3	0.1	1.0
BASRAH	0.1	0.4	0.6	0.4	0.4	0.4	0.2	0.1	0.3
HABBANIYA	0.6	1.0	0.6	1.0	1.5	1.4	1.1	0.7	1.3

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

BAGHDAD

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	9	3	2	1	1	1	3	9	1	21	8	0	0	8
0300	10	0	2	0	1	0	8	7	2	23	5	0	0	6
0600	7	0	1	2	0	2	8	9	1	26	3	0	0	7
0900	7	1	1	1	2	1	8	9	0	17	13	0	0	11
1200	5	0	1	1	4	2	6	10	1	19	10	0	0	10
1500	2	0	3	1	1	1	6	14	2	23	5	0	0	7
1800	4	0	2	2	0	1	5	10	6	24	0	0	0	5
2100	6	2	2	1	0	1	2	12	4	23	3	0	0	7
TOTAL	50	6	14	9	9	9	43	80	17	176	47	0	0	8

MOSUL

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	12	2	0	2	2	1	4	3	4	26	0	0	0	4
0300	12	4	0	0	0	0	5	8	1	28	1	0	0	7
0600	13	5	5	0	0	0	0	7	0	23	7	0	0	8
0900	11	5	6	2	0	1	0	5	0	19	8	3	0	9
1200	11	7	3	1	1	0	2	5	0	22	6	2	0	9
1500	11	5	1	2	1	1	2	6	1	23	4	2	0	8
1800	4	5	4	0	0	0	7	6	4	22	4	0	0	6
2100	11	4	1	4	1	0	3	3	3	25	2	0	0	5
TOTAL	85	37	20	11	5	3	23	43	13	188	32	7	0	7

KIRKUK

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	6	16	5	1	0	0	0	1	1	24	5	0	0	7
0300	4	16	6	2	0	0	0	1	1	25	4	0	0	6
0600	5	8	4	4	1	4	2	2	0	27	3	0	0	6
0900	1	4	4	2	3	2	6	6	2	24	4	0	0	7
1200	3	3	1	4	4	2	10	3	0	24	6	0	0	7
1500	2	4	3	2	4	3	10	2	0	28	2	0	0	7
1800	9	6	1	1	3	0	3	1	6	23	1	0	0	4
2100	5	15	5	3	1	0	0	1	0	26	4	0	0	7
TOTAL	35	72	29	19	16	11	31	17	10	201	29	0	0	6

KHANAQIN

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0300	0	1	9	1	4	0	0	0	15	15	0	0	0	3
0600	1	3	5	2	1	0	4	1	13	13	2	2	0	5
0900	3	3	2	2	5	0	7	5	3	21	4	2	0	7
1200	6	3	3	0	5	0	9	2	2	20	6	2	0	9
1500	4	0	5	0	6	0	7	5	3	23	4	0	0	7
1800	2	0	6	0	0	0	2	3	17	12	1	0	0	2
TOTAL	16	10	28	5	21	0	29	16	53	104	17	6	0	6

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	4	0	1	0	0	1	9	7	8	15	7	0	0	7
0300	4	1	1	0	0	0	12	5	7	21	2	0	0	5
0600	7	2	1	0	1	0	5	12	2	21	7	0	0	7
0900	5	1	5	1	2	3	7	3	3	20	7	0	0	7
1200	4	0	3	0	2	3	14	3	1	23	5	1	0	8
1500	7	3	2	0	0	3	8	6	1	23	5	1	0	8
1800	9	2	1	0	0	2	8	4	4	24	2	0	0	5
2100	4	1	1	0	0	0	14	3	7	20	2	1	0	5
TOTAL	44	10	15	1	5	12	77	43	33	167	37	3	0	7

HAI

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	0	0	2	0	3	0	15	4	6	12	12	0	0	8
0300	1	0	0	0	0	0	19	0	10	12	8	0	0	7
0600	1	0	1	0	1	0	18	3	6	14	10	0	0	8
0900	2	0	2	1	2	1	17	0	5	11	13	1	0	10
1200	0	0	2	1	1	1	16	2	7	9	13	1	0	10
1500	1	0	1	0	3	1	19	0	5	17	7	1	0	8
1800	0	1	2	0	1	0	17	3	6	17	7	0	0	7
2100	3	0	2	0	1	0	12	6	6	13	11	0	0	8
TOTAL	8	1	12	2	12	3	133	18	51	105	81	3	0	8

DIWANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	11	1	2	1	0	0	11	1	3	25	2	0	0	6
0300	10	0	1	0	0	1	13	3	2	27	1	0	0	5
0600	14	0	4	0	0	1	9	1	1	22	7	0	0	7
0900	17	0	1	0	1	0	7	0	4	15	10	1	0	8
1200	10	0	1	0	0	0	14	1	4	14	12	0	0	8
1500	15	0	2	1	0	0	7	2	3	18	9	0	0	7
1800	9	1	5	0	1	1	9	0	4	26	0	0	0	4
2100	7	2	4	0	0	1	13	0	3	27	0	0	0	5
TOTAL	93	4	20	2	2	4	83	8	24	174	41	1	0	6

NASIRIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	0	1	3	3	2	7	11	0	19	11	0	0	9
0300	1	0	1	2	0	3	11	9	3	17	10	0	0	8
0600	2	1	0	2	1	0	3	21	0	18	12	0	0	9
0900	2	0	3	0	0	1	2	22	0	15	15	0	0	11
1200	4	1	4	0	0	0	2	19	0	14	16	0	0	11
1500	4	0	4	1	0	0	5	15	1	15	14	0	0	10
1800	4	0	4	1	0	2	3	13	3	21	6	0	0	7
2100	3	0	4	2	2	1	9	8	1	19	10	0	0	9
TOTAL	23	2	21	11	6	9	42	118	8	138	94	0	0	9

TABLE 12-CONT. JUNE 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

BASRAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	2	0	0	2	1	14	3	6	20	4	0	0	6
0300	0	0	2	0	0	4	16	4	4	23	3	0	0	5
0600	1	0	0	0	3	3	16	5	2	20	8	0	0	8
0900	1	0	2	0	1	2	12	12	0	20	10	0	0	8
1200	8	0	0	2	0	0	11	9	0	24	6	0	0	8
1500	7	0	1	2	0	0	12	5	3	24	3	0	0	6
1800	3	1	3	2	0	0	11	5	5	22	3	0	0	5
2100	3	0	1	1	2	0	12	4	7	18	5	0	0	5
TOTAL	25	3	9	7	8	10	104	47	27	171	42	0	0	6

HABBANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	7	0	2	0	2	1	8	4	6	22	2	0	0	5
0300	4	0	0	0	1	3	14	4	4	23	3	0	0	5
0600	7	1	1	0	1	0	14	6	0	22	8	0	0	8
0900	7	0	3	1	1	1	5	12	0	16	14	0	0	9
1200	4	1	1	0	3	3	6	12	0	17	13	0	0	9
1500	6	1	2	0	4	1	8	8	0	19	11	0	0	8
1800	1	0	4	0	0	1	13	7	4	23	3	0	0	5
2100	6	0	4	0	1	1	8	8	2	27	1	0	0	5
TOTAL	42	3	17	1	13	11	76	61	16	169	55	0	0	7

TABLE 13

NUMBER OF CASES OF :-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	0	0	0	0	0	0	24	0
MOSUL	5	0	0	5	0	0	18	0
KIRKUK	2	0	0	2	0	1	19	0
KHANAQIN	2	0	0	1	0	0	21	1
RUTBAH	0	0	0	0	0	2	23	0
HAI	1	0	0	4	0	0	25	0
DIWANIYA	0	0	0	0	0	0	26	0
NASIRIYA	0	0	0	0	0	6	20	0
BASRAH	0	0	0	0	0	1	27	0
HABBANIYA	0	0	0	0	0	0	23	0

NOTE: V.K. MEANS WIND VELOCITY IN KNOTS.

TABLE 14 JUNE 1957

DAILY PRECIPITATION UNIT (MILLIMETERS, tr. < 0.05 mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	KHANA-QIN	HABBA-NIYA
1										
2										
3					tr.					
4		2.3	tr.		0.3		tr.		2.0	
5	tr.	1.4	tr.							tr.
6										
7										
8										
9										
10				tr.						
11	tr.	0.3	tr.		tr.					
12		tr.	2.7						6.0	
13		tr.	0.3	tr.						
14		0.2								
15										
16		0.2								
17										
18										
19										
20										
21										
22										
23										
24										
25										
26		0.1								
27										
28										
29										
30										
TOTAL	tr.	4.5	3.0	tr.	0.3	0.0	tr.	0.0	8.0	tr.

TABLE 15 JUNE 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT (MILLIMETERS)

DATE	RAYAT	SANAT	SER-SANK	SALAH-ALDIN	TUZ	SINJAR	DOKAN	DIALA	HAWIJA	HINDI-YA
1										
2				1.3						
3										
4			3.0				1.5		5.5	
5	20.4	15.4	2.0				11.5			
6										
7										
8										
9										
10		4.2								
11							tr.			
12	2.5									
13	5.3		1.8			6.1	tr.			
14	3.3		1.3				2.0			
15										
16		18.3								
17										
18										
19										
20										
21										
22										
23										
24										
25										
26			1.0							
27										
28										
29										
30										
TOTAL	31.5	37.9	9.1	1.3	0.0	6.1	15.0	0.0	5.5	0.0

TABLE 16

BAGHDAD AIRPORT

Month June

Year 1957

Frequency Of Horizontal Visibility

TIME - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																									
>500 -1000M																		1							1
>1000 -1500M																				1					1
>1500 -3000M				1	1					1/1								5			1	1	1		11
>3 -5KM			2	2		1	1/1									[illegible]	1/4	5	1	1	1				18
>5 -10KM			7	1/5	1/8	1/9	1/6	1/2	2/3	3/4	2/3	3/5	3/3	3/4	3/3	3/5	2/16	1/13	7	3					104
>10 -15KM	3	3	8	9	6	9	4	11	5	7	5	8	5	2	4	8	9	5	13	11	10	6	6	4	151
>15KM	27	27	13	13	15	11	19	17	22	18	22	19	22	24	23	17	1	1	9	14	18	23	23	26	424
TOTAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720

NOTE

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Different Heights Of Cloud-Base (Amount 5-8 Oktas)

TIME - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
>900M	1	1	2	4	2	1	1	1	2	3	3	1	3	3	4	3	2	2	1	1	2	2	2	1	48

TABLE 16-CONT.

BASRAH AIRPORT

Month June

Year 1957

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																									
>500 -1000M													1/1		1/1	1/1	1/1	1/1							5
>1000 -1500M												1/1		1/1											2
>1500 -3000M						1/1	1/1	1/1	1/1	1/1	2/2	1/1	1/2	2/2	2/2	3/3	3/3		1/1						21
>3 -5KM								1/1		1/1	2/2			1/1	2/2	1/1	2/2	2/2	2/2	2/2					16
>5 -10KM	2/2	2/2	2/2	1/1		1/1			1/1	3/3	2/2	5/5	3/3	3/3	3/3	2/2	1/1	2/2	5/5	2/2	3/3	5/5	6/6	5/5	59
>10 -15KM	4	2	7	3	4	2	3	2	2	4	4	4	6	4	3	5	5	4	1	1	4	1	1	2	78
>15KM	24	26	21	26	26	26	26	26	26	21	20	19	18	19	19	18	18	21	21	25	23	24	23	23	539
TOTAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720

NOTE

In fields cont aining two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency Of Different Heights
Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
>900M				2	3	3	3	3	2	2	2	2	1	1	2	1									27

TABLE 17

BAGHDAD AIRPORT

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≥ 5 OKtas)

Month June
Year 1957

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR *													1			2	1		5	6	3	9	4	27	13	19	30	30	30
>900													1						4	3	5	7	5	8	18	22	17	30	30	30
AND >=5/8													1	3	1		4	7		30	13	6	55	9	23	148	30	30	240
TOTAL													1			2	1		5	6	3	9	4	27	13	19	30	30	30
													1						4	3	5	7	5	8	18	22	17	30	30	30
													1	3	1		4	7		30	13	6	55	9	23	148	30	30	240

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 17-CONT.

Month June
Year 1957

BASRAH AIRPORT

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≧ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR *													1				2	1		4	3	3	24	26	26	30	30	30			
>900							1	1				1	2	3	1		1	3	3	2	4	6	5	21	18	18	30	30	30		
AND >=5/8								2				1		8	2		4	5	5	21	1	1	27	21	24	178	30	30	240		
														1				2	1		4	3	3	24	26	26	30	30	30		
TOTAL							1	1				1	2	3	1		1	3	3	2	4	6	5	21	18	18	30	30	30		
								2				1		8	2		4	5	5	21	1	1	27	21	24	178	30	30	240		

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

الحكومة العراقية

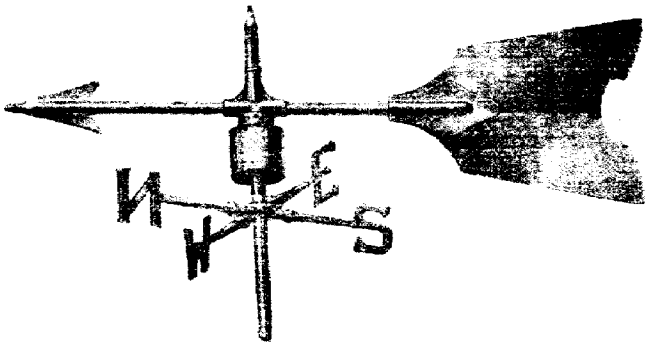
وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

JUL 1957

التقرير الجوي الشهري
للعراق
بغداد



GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER
REPORT
FOR IRAQ
BAGHDAD.

July 1957

LIBRARY
JAN 8 - 1958
WEATHER BUREAU

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBAH	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Hiehgt of Station above M.S.L. in (Meters)
2. Hb. means Height of Barometer cistern above M.S.L. in (Meters)
3. Ha. means Height of Anemometer above the ground. in (Meters)

STATION	LATITUDE N.	LONGITUDE E.	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
AQRA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	180 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHUARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	–
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	–
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KOUFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
TUZ	34 53 N.	44 39 E.	220 m.
QADIR KARAM	35 11 N.	44 53 E.	400 m.
MAKHMUR	35 46 N.	43 34 E.	450 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
NAI SANJAC	36 05 N.	44 38 E.	600 m.
TAG TAG	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
ANA	34 28 N.	41 27 E.	–
DIALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
MANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	–
SAMAWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

C O N T E N T S

TABLE		PAGE
-	MAP SHOWING ALL METEOROLOGICAL STATIONS	SEE JANUARY
1	MEAN DAILY TEMPERATURE.	1
2	MEAN MONTHLY GRASS MIN. TEMPERATURE, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES.	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE.	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE WIND.	6-8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE.	10-11
16	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE.	12-13

PREPARED AND PUBLISHED
BY THE IRAQ METEOROLOGICAL DEPARTMENT
CLIMATOLOGICAL SECTION

TABLE 1 JULY 1957

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWANIYA	NASIRIYA	BASRAH
1	34.7	33.8	35.3	29.0	33.8	33.6	33.1	33.8
2	32.4	31.1	30.6	26.5	32.4	31.6	32.2	32.1
3	31.9	29.8	29.9	25.8	32.8	31.3	33.1	33.2
4	31.8	26.9	30.1	28.3	32.4	31.3	32.3	33.1
5	32.7	29.4	32.0	29.6	32.0	30.7	31.2	32.6
6	34.8	29.2	32.9	32.6	33.9	33.4	31.2	32.5
7	34.8	31.4	33.3	32.2	32.9	33.7	32.9	33.0
8	34.2	32.4	34.1	31.7	33.2	32.4	32.1	33.2
9	34.9	33.1	36.0	31.2	33.0	33.2	33.0	33.1
10	35.1	33.1	35.6	31.9	33.9	33.5	33.1	33.4
11	34.7	33.1	33.8	31.2	34.8	33.3	33.8	34.3
12	33.2	31.4	32.7	30.4	33.3	31.7	32.9	33.8
13	34.9	32.4	33.8	31.4	34.4	33.3	33.1	32.8
14	35.0	32.2	33.6	31.1	34.4	33.3	33.9	33.8
15	33.8	32.0	33.2	28.7	34.7	32.2	33.0	34.0
16	33.4	29.8	32.5	29.0	33.6	33.3	33.8	33.6
17	34.3	30.6	33.8	30.9	33.7	33.6	33.9	33.9
18	35.6	32.8	34.8	31.8	34.7	35.0	33.9	34.1
19	35.5	32.7	34.0	31.1	35.8	33.8	33.8	33.6
20	36.4	33.8	37.2	31.8	35.2	34.8	34.0	32.8
21	36.7	35.0	36.8	32.9	34.5	35.2	34.8	34.3
22	35.8	33.2	34.5	32.3	35.2	34.4	35.6	33.9
23	36.2	33.3	36.2	33.8	34.9	32.3	35.2	34.5
24	37.9	36.4	36.7	32.9	34.7	35.2	34.1	35.4
25	36.7	33.7	34.6	31.1	35.8	34.8	35.7	35.8
26	35.5	32.3	33.2	31.1	34.8	33.8	34.6	34.7
27	36.7	32.4	34.6	32.4	34.6	33.9	34.7	34.4
28	37.1	34.5	35.4	33.4	35.6	34.5	34.6	34.4
29	37.0	33.0	36.1	34.5	37.1	35.4	36.8	37.5
30	38.1	36.7	28.2	35.0	37.3	36.9	35.9	37.0
31	39.2	36.1	39.5	35.5	36.2	36.4	35.5	36.2
MEANS	35.5	32.5	34.1	31.3	34.4	33.6	33.8	34.0

TABLE 2

MONTHLY MEAN TEMPERATURES

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	35.6	29.9	397.2
MOSUL	16.5	36.0	30.7	.....
KIRKUK	20.9	31.4	28.7	.....
BASRAH	22.6	....	....	294.5
HAI	21.4	....	....	.....

TABLE 3 JULY 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		KHANAQIN		RUTBAH	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	43.0	27.2	42.8	23.8	43.4	27.4	44.2	25.0	37.6	20.9
2	39.5	23.0	38.0	24.4	37.0	25.1	40.6	26.7	34.0	19.6
3	38.0	24.5	38.1	20.4	35.4	23.7	39.0	22.0	31.7	18.6
4	39.5	22.2	36.1	18.9	36.2	22.3	38.9	22.8	35.2	21.3
5	41.6	20.0	39.4	14.9	38.3	22.9	38.9	20.6	36.5	19.3
6	43.2	23.4	41.0	18.4	39.2	24.7	43.3	22.5	39.0	21.2
7	42.8	25.0	41.3	17.8	39.1	23.8	42.0	23.3	39.4	21.5
8	43.8	24.4	41.4	22.9	39.9	27.9	43.2	24.0	38.4	22.4
9	45.1	23.6	42.6	25.7	41.8	29.6	45.2	30.0	38.5	23.1
10	45.6	24.7	43.6	20.8	42.1	28.2	45.2	25.6	39.6	22.9
11	44.2	25.8	43.6	21.0	42.1	24.9	44.0	24.8	38.7	22.7
12	42.0	24.2	40.4	22.8	39.9	25.7	42.5	25.0	38.0	22.2
13	44.2	25.0	42.3	20.5	41.4	25.8	43.3	23.3	38.8	23.2
14	44.2	26.0	42.8	18.4	40.5	24.6	42.8	23.9	38.3	23.4
15	43.5	25.6	42.1	20.1	40.9	26.3	42.8	25.4	34.6	20.4
16	40.6	23.1	40.2	18.8	38.0	24.2	41.1	23.9	35.6	20.6
17	43.4	24.6	42.5	18.6	40.4	25.4	42.2	23.0	38.0	21.7
18	44.8	25.2	42.7	20.1	41.1	26.5	42.2	23.0	40.1	23.2
19	44.1	26.4	44.3	20.4	42.5	26.2	45.4	23.0	38.6	21.6
20	47.2	25.7	45.2	20.1	44.4	29.9	47.5	27.5	40.5	22.8
21	47.6	27.2	45.9	22.2	44.5	27.2	46.0	25.6	40.5	24.3
22	44.6	27.0	43.4	22.7	41.4	27.6	43.3	24.4	39.3	23.7
23	45.5	25.2	45.1	21.7	42.4	28,3	44.0	23.5	40.6	24.3
24	46.8	26.2	44.3	28.3	42.5	31.2	45.6	27.5	40.6	24.8
25	45.7	28.2	44.0	24.8	43.0	27.2	44.4	26.1	40.1	23.0
26	44.7	26.8	43.2	20.9	42.6	24.2	45.0	24.0	39.7	20.7
27	45.2	25.6	43.8	18.5	43.7	24.9	45.0	24.0	41.6	20.0
28	47.1	26.5	46.3	21.4	44.9	25.8	45.6	24.4	43.0	21.3
29	47.9	24.0	45.1	19.7	45.3	27.2	45.8	25.0	43.7	23.7
30	48.6	27.0	47.4	20.6	46.9	27.8	48.0	28.1	43.8	24.5
31	50.0	27.6	48.3	23.3	47.3	31.4	47.7	28.6	44.0	24.7
MEANS	44.3	25.2	42.8	21.1	41.6	26.4	43.7	24.7	39.0	22.2
NORMAL	43.4	25.0	43.3	22.0	42.7	26.4	43.8	25.6	38.6	21.4

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	50.0	31st.	1957	16.6	8th.	1946
MOSUL	51.1	21st.	1937	14.9	5th.	1947
KIRKUK	47.8	23rd.	1940	20.0	13th.	1950
KHANAQIN	50.0	19th.	1940	18.9	12th. 8th.	1946 1946
RUTBAH	46.1	21,& 22nd.	1940	14.4	6th.	1933

TABLE 3-CONT. JULY 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	HABBANIYA		HAI		DIWANIYA		NASIRIYA		BASRAH	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	42.2	28.3	41.6	26.2	40.8	25.2	41.2	28.0	38.9	29.6
2	37.2	23.9	40.2	24.2	38.2	24.6	39.9	25.6	37.2	28.7
3	36.6	23.9	39.6	24.8	39.0	23.5	40.5	26.2	37.6	27.9
4	38.9	25.0	38.4	24.9	38.4	22.8	39.9	25.0	37.7	29.0
5	40.0	21.6	40.6	25.4	39.0	21.8	38.0	28.0	36.8	28.5
6	42.8	23.3	42.4	24.7	41.6	24.0	38.8	26.3	38.0	26.4
7	42.8	23.9	42.0	26.2	41.3	24.8	41.6	26.0	38.1	28.7
8	41.6	26.1	40.6	24.1	40.6	23.2	41.0	25.2	39.0	28.2
9	43.3	23.9	42.5	23.6	42.2	24.6	42.0	25.0	38.8	28.1
10	43.9	26.1	42.7	24.1	43.4	23.8	43.3	24.2	40.0	27.3
11	43.3	25.5	43.0	24.0	42.4	23.1	44.5	25.2	40.1	28.9
12	41.1	26.6	42.0	24.6	40.5	23.7	40.4	27.0	39.6	27.6
13	42.8	27.2	42.2	26.6	42.0	23.5	42.5	24.2	39.8	27.5
14	42.2	26.6	41.6	26.5	41.4	26.0	43.0	26.9	40.2	28.4
15	41.1	26.1	43.2	24.8	41.0	25.2	43.0	24.4	39.9	28.8
16	40.5	25.0	41.9	25.5	40.6	24.0	43.2	22.8	39.8	28.4
17	42.2	25.0	41.4	26.4	41.0	24.6	42.7	26.6	39.4	27.6
18	42.8	25.5	42.8	24.8	42.0	27.6	42.3	27.3	40.1	27.5
19	42.2	26.1	41.9	30.1	41.3	26.0	39.0	28.1	38.1	29.0
20	45.0	27.8	44.0	25.8	43.5	27.0	41.2	27.4	39.2	28.1
21	45.6	27.2	44.4	25.6	43.6	26.9	44.8	26.1	43.0	28.2
22	43.9	28.3	45.0	26.9	43.6	28.2	45.0	27.2	39.2	28.2
23	43.9	27.2	43.5	26.9	41.8	25.5	43.8	26.8	40.7	28.9
24	45.0	27.2	44.8	25.0	44.2	27.2	45.2	23.8	43.4	28.2
25	43.9	27.2	44.9	27.7	43.0	26.0	46.3	28.0	45.8	28.2
26	42.8	23.9	43.0	26.4	42.2	23.6	44.9	27.6	40.0	31.0
27	43.3	23.3	43.0	26.8	41.0	24.0	44.4	27.6	39.4	29.5
28	45.0	24.4	44.1	27.4	43.8	24.0	45.0	25.8	41.0	29.5
29	46.1	26.1	45.6	27.0	44.0	24.6	47.0	27.5	49.6	28.5
30	47.2	27.2	47.6	28.1	47.0	25.6	45.1	27.6	47.8	28.3
31	48.9	28.3	45.3	25.6	48.0	26.8	47.0	26.5	45.2	28.0
MEANS	42.8	25.8	42.7	25.8	42.0	24.9	42.8	26.3	40.4	28.4
NORMAL	44.2	25.7	44.0	26.3	42.7	23.7	42.7	25.4	40.3	27.6

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
HABBANIYA	50.6	3rd.	1948	21.1	11&17 & 11th. & 8th. & 2nd.	1939 1942 1946 1948
HAI	50.0	22nd.	1943	21.6	3rd. &7,11th. & 25th.	1943 1946 1950
DIWANIYA	49.5	4th.	1948	18.3	2,3rd,	1943
NASIRIYA	48.9	29&30th.	1951	20.0	15th.	1952
BASRAH	50.05	26th.	1951	22.2	15th.	1952

TABLE 4 JULY 1957

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	28.7	26.5	35.4	41.7	43.4	41.5	33.9	30.5	35.2
MOSUL	23.5	22.8	33.0	39.6	41.8	40.1	31.9	27.3	32.5
KIRKUK	28.6	27.9	35.2	39.5	40.8	39.9	33.0	30.3	34.4
KHANAQIN	....	26.2	38.5	41.9	43.1	41.3	35.4	....	37.8
RUTBAH	24.5	23.1	30.8	35.9	38.4	37.6	32.2	28.1	31.3
HAI	28.2	27.0	35.2	40.7	42.0	38.5	33.3	30.4	35.7
DIWANIYA	27.4	25.7	33.7	39.8	41.6	37.9	32.2	29.8	33.5
NASIRIYA	28.1	27.2	33.1	39.9	41.6	37.9	33.0	30.1	33.9
BASRAH	30.5	28.9	33.7	37.2	39.4	37.7	33.3	31.7	34.5
HABBANIYA	27.8	26.3	33.0	40.3	42.4	41.2	34.4	30.4	34.5

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	17.0	16.6	21.2	23.0	23.1	22.3	19.9	18.4	20.2
MOSUL	15.1	15.3	18.8	20.3	20.1	20.2	17.5	16.0	17.9
KIRKUK	15.5	15.6	18.5	19.5	19.7	19.0	16.9	16.0	17.6
KHANAQIN	....	15.8	20.8	21.3	21.8	21.0	19.5	....	20.3
RUTBAH	14.0	14.0	16.6	17.6	18.8	18.0	16.3	14.9	16.3
HAI	17.0	16.7	21.1	21.9	21.9	21.2	19.3	18.0	19.6
DIWANIYA	18.5	18.1	21.7	23.1	23.0	22.7	21.2	19.7	21.2
NASIRIYA	19.7	19.2	21.7	23.7	24.4	24.6	23.4	21.6	22.3
BASRAH	23.4	23.8	25.2	26.4	26.6	26.9	26.2	25.2	25.6
HABBANIYA	17.2	17.1	20.6	22.3	22.4	22.0	20.4	18.6	20.1

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS AT M.S.L.

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	98.9	99.6	00.3	00.0	99.0	98.2	99.0	99.2	999.3
MOSUL	01.2	01.9	01.6	00.5	99.1	98.4	00.1	00.9	1000.1
KIRKUK	99.9	00.3	00.0	99.1	97.9	97.6	99.9	00.0	999.3
KHANAQIN	....	00.0	99.0	97.6	97.1	96.9	97.9	....	998.1
RUTBAH	02.2	02.7	02.5	02.4	01.9	01.2	01.7	02.0	1002.1
HAI	97.5	98.0	99.0	98.9	97.8	97.3	98.2	98.0	998.1
DIWANIYA	98.4	99.5	00.4	00.1	97.2	98.2	99.3	99.7	999.1
NASIRIYA	98.2	95.4	02.8	98.7	97.8	98.2	98.6	98.6	998.5
BASRAH	97.9	98.3	99.0	99.0	98.2	97.6	98.2	98.3	998.3
HABBANIYA	99.7	00.4	01.3	00.9	99.8	99.0	99.0	00.0	1000.0

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	31	36	27	20	16	18	25	31	25
MOSUL	41	46	25	16	12	14	23	30	26
KIRKUK	23	26	17	13	12	12	18	20	18
KHANAQIN	..	29	16	11	11	11	20	..	16
RUTBAH	30	36	22	15	13	12	17	23	21
HAI	32	34	28	18	16	209	26	28	25
DIWANIYA	42	48	34	24	20	24	37	40	34
NASIRIYA	46	47	36	26	24	34	45	49	38
BASRAH	59	65	49	42	35	42	56	58	51
HABBANIYA	33	36	29	18	13	15	24	28	25

TABLE 8 JULY 1957

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.9	12.5	15.8	16.1	14.2	14.3	13.7	13.3	14.0
MOSUL	11.7	12.6	12.4	11.1	9.2	10.5	10.5	10.7	11.1
KIRKUK	9.0	9.6	10.0	9.4	9.0	8.2	8.5	8.7	9.1
KHANAQIN	....	9.6	10.4	8.9	9.2	8.6	10.1	....	9.5
RUTBAH	8.9	10.0	9.5	8.3	7.9	7.5	7.5	8.4	8.5
HAI	11.9	12.2	15.7	13.9	13.0	13.7	13.2	12.4	13.2
DIWANIYA	15.4	15.8	17.7	17.4	15.9	16.7	17.7	16.5	16.6
NASIRIYA	17.4	17.1	18.4	18.3	18.7	21.8	22.3	20.7	19.3
BASRAH	25.6	25.6	25.5	26.0	24.4	27.0	28.5	27.1	26.2
HABBANIYA	12.0	12.4	14.6	12.8	11.0	11.3	13.0	12.1	12.4

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	9.3	9.5	13.7	14.3	11.4	12.0	11.8	10.6	11.6
MOSUL	8.9	10.0	9.8	8.1	5.5	7.0	7.2	7.7	8.0
KIRKUK	4.8	6.1	6.7	5.9	5.1	3.9	4.6	4.6	5.2
KHANAQIN	....	—	—	—	—	—	—	—	—
RUTBAH	5.4	6.5	5.8	4.4	3.3	2.4	3.3	4.1	4.4
HAI	9.3	9.7	13.5	11.4	10.6	11.4	10.9	9.9	10.8
DIWANIYA	13.2	13.7	15.3	15.1	13.8	14.4	15.4	14.2	14.4
NASIRIYA	14.9	14.7	16.3	15.8	16.0	18.6	19.1	17.7	16.6
BASRAH	21.2	21.1	21.1	21.4	20.4	22.2	23.0	22.2	21.6
HABBANIYA	9.4	9.9	12.4	10.1	7.8	8.3	10.9	9.4	9.8

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOSUL	0.0	0.1	0.1	0.1	0.5	0.4	0.1	0.0	0.2
KIRKUK	0.1	0.4	0.4	0.4	0.5	0.3	0.1	0.0	0.3
KHANAQIN	...	0.5	0.0	0.1	0.2	0.1	0.0	...	0.1
RUTBAH	0.0	0.0	0.0	0.0	0.3	0.5	0.2	0.0	0.1
HAI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DIWANIYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NASIRIYA	0.0	0.0	0.0	1.5	0.9	0.0	0.0	0.0	0.3
BASRAH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HABBANIYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 11

MONTHLY MEAN TOTAL CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
MOSUL	0.0	0.1	0.2	0.2	0.6	0.5	0.1	0.0	0.2
KIRKUK	0.1	0.4	0.4	0.4	0.5	0.3	0.1	0.1	0.3
KHANAQIN	...	0.5	0.3	0.2	0.3	0.3	0.0	...	0.3
RUTBAH	0.0	0.0	0.0	0.0	0.3	0.5	0.2	0.0	0.1
HAI	0.0	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.1
DIWANIYA	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
NASIRIYA	0.1	0.4	0.8	1.7	1.0	0.2	0.1	0.0	0.5
BASRAH	0.1	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.1
HABBANIYA	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0

TABLE 12 JULY 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

BAGHDAD

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	4	0	0	0	0	0	2	20	5	24	2	0	0	6
0300	4	1	0	0	0	0	5	18	3	26	2	0	0	6
0600	7	0	0	0	0	0	1	22	1	25	5	0	0	8
0900	3	0	0	0	0	0	7	20	1	18	12	0	0	10
1200	11	1	0	0	0	1	10	8	0	16	14	1	0	11
1500	4	0	0	0	0	0	11	16	0	25	6	0	0	9
1800	0	0	0	0	0	0	7	18	6	25	0	0	0	4
2100	1	1	0	0	0	0	3	19	7	23	1	0	0	5
TOTAL	34	3	0	0	0	1	46	141	23	182	42	1	0	7

MOSUL

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	11	5	0	0	0	0	7	4	4	26	1	0	0	4
0300	9	1	1	1	0	1	6	9	3	28	0	0	0	4
0600	18	4	2	0	1	0	0	6	0	28	3	0	0	7
0900	6	5	7	1	2	0	4	5	1	28	2	0	0	6
1200	7	5	1	3	0	2	8	3	2	27	2	0	0	6
1500	7	2	2	2	1	1	8	8	0	28	3	0	0	6
1800	6	1	1	0	1	4	8	4	6	21	4	0	0	5
2100	7	2	3	0	2	0	10	3	4	23	4	0	0	5
TOTAL	71	25	17	7	7	8	51	42	20	209	19	0	0	5

KIRKUK

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	5	21	3	0	0	0	1	0	1	23	6	1	0	6
0300	6	15	5	1	0	0	1	0	3	24	4	0	0	5
0600	2	8	2	1	4	2	3	3	6	21	4	0	0	6
0900	2	3	2	1	2	6	9	4	2	20	9	0	0	7
1200	5	1	1	1	6	8	5	4	0	23	7	1	0	8
1500	4	2	0	0	4	6	10	5	0	27	4	0	0	7
1800	4	9	3	0	2	1	6	3	3	27	1	0	0	4
2100	4	19	5	0	0	0	2	1	0	28	3	0	0	5
TOTAL	32	78	21	4	18	23	37	20	15	193	38	2	0	6

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	0	1	0	0	2	5	9	8	5	16	9	0	0	8
0300	0	0	0	0	2	2	12	6	9	19	3	0	0	5
0600	8	1	0	0	0	1	8	12	1	24	6	0	0	7
0900	5	1	1	1	0	0	11	5	7	18	6	0	0	6
1200	5	0	0	0	1	4	12	7	2	17	11	1	0	9
1500	7	0	0	0	0	0	11	10	3	19	8	1	0	8
1800	8	1	0	0	0	0	7	6	9	22	0	0	0	3
2100	2	0	0	1	0	2	8	9	9	18	4	0	0	5
TOTAL	35	4	1	2	5	14	78	63	45	153	47	2	0	6

SURFACE WIND - NUMBER OF OBSERVATIONS OF

H A I

ME	DIRECTION								SPEED IN KNOTS					MEAN
T.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
00	1	0	0	0	0	0	27	2	1	18	12	0	0	9
00	0	0	0	0	0	1	25	1	4	23	4	0	0	7
00	2	0	1	0	0	0	21	4	3	17	11	0	0	8
00	1	0	1	2	0	2	23	1	1	14	15	1	0	11
00	0	0	1	1	0	1	25	1	2	12	17	0	0	11
00	0	0	0	0	0	0	26	0	5	18	8	0	0	7
00	0	0	0	0	0	0	25	1	5	18	8	0	0	7
00	1	0	0	0	0	2	22	2	4	19	8	0	0	8
TAL	5	0	3	3	0	6	194	12	25	139	83	1	0	9

D I W A N I Y A

ME	DIRECTION								SPEED IN KNOTS					MEAN
T.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
00	8	1	0	0	0	0	19	2	1	29	1	0	0	6
00	4	0	0	0	0	0	21	3	3	26	2	0	0	6
00	11	0	0	0	0	0	11	9	0	26	5	0	0	8
00	11	1	0	0	0	0	14	4	1	16	13	1	0	10
00	18	1	0	0	0	0	11	1	0	18	13	0	0	10
00	20	0	0	0	0	0	7	2	2	26	3	0	0	6
00	8	0	0	0	0	0	14	1	8	23	0	0	0	3
00	9	1	0	0	0	0	14	2	5	25	1	0	0	5
TAL	89	4	0	0	0	0	111	24	20	189	38	1	0	7

N A S I R I Y A

ME	DIRECTION								SPEED IN KNOTS					MEAN
T.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
00	2	0	0	0	0	1	9	15	4	18	9	0	0	8
00	1	1	0	0	0	3	12	14	0	23	8	0	0	8
00	1	0	0	0	0	0	6	24	0	19	12	0	0	10
00	3	0	0	0	0	0	3	25	0	13	18	0	0	11
00	3	0	2	0	0	0	5	21	0	9	22	0	0	12
00	1	0	3	0	0	0	5	22	0	17	14	0	0	10
00	1	0	2	0	0	0	5	20	3	25	3	0	0	7
00	1	2	0	1	0	1	7	18	1	25	5	0	0	6
TAL	13	3	7	1	0	5	52	152	8	149	91	0	0	9

B A S R A H

ME	DIRECTION								SPEED IN KNOTS					MEAN
T.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
00	3	1	0	0	0	1	16	5	5	23	3	0	0	5
00	0	1	0	0	0	2	17	3	8	23	0	0	0	4
00	1	1	0	0	1	1	17	6	4	21	6	0	0	6
00	2	0	0	2	1	0	18	6	2	21	8	0	0	8
00	0	1	1	2	0	0	16	11	0	23	0	0	0	8
00	2	0	0	2	0	0	13	8	6	25	0	0	0	4
00	1	0	0	2	0	0	17	5	6	22	3	0	0	5
00	0	0	0	1	1	2	17	6	4	23	4	0	0	5
TAL	9	4	1	9	3	6	131	50	35	181	32	0	0	6

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

KHANAQIN

IME	DIRECTION								SPEED IN KNOTS					MEAN
MT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
300	1	1	9	2	1	0	0	2	15	16	0	0	0	1
600	5	4	4	0	3	0	2	0	13	17	1	0	0	3
900	7	4	0	0	6	0	6	5	3	27	1	0	0	5
200	10	0	1	0	3	1	5	8	3	27	1	0	0	5
500	6	0	2	0	3	0	10	7	3	26	2	0	0	5
800	6	1	3	0	3	1	3	3	11	20	0	0	0	3
100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OTAL	35	10	19	2	19	2	26	25	48	133	5	0	0	4

HABBANIYA

IME	DIRECTION								SPEED IN KNOTS					MEAN
MT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
000	0	0	0	0	0	0	19	6	6	25	0	0	0	4
300	0	0	0	0	0	0	20	11	0	23	8	0	0	7
600	0	0	0	0	0	0	11	20	0	16	15	0	0	10
900	0	0	0	0	0	0	15	16	0	13	18	0	0	11
200	0	1	0	0	0	3	18	9	0	12	19	0	0	11
500	1	0	0	0	0	2	12	16	0	21	10	0	0	9
800	0	0	0	0	0	0	19	9	3	27	1	0	0	5
100	1	1	0	0	0	0	23	5	1	30	0	0	0	5
OTAL	2	2	0	0	0	5	137	92	10	167	71	0	0	8

ABLE 13

NUMBER OF CASES OF :-

TATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
AGHDAD	0	0	0	0	0	1	31	0
OSUL	0	0	0	0	0	0	30	0
IRKUK	0	0	0	0	0	1	30	0
HANAQIN	0	0	0	0	0	0	28	0
UTBAH	0	0	0	0	0	0	31	0
AI	0	0	0	0	0	0	30	0
IWANIYA	0	0	0	0	0	0	31	0
ASHRIYA	0	0	0	0	0	5	26	0
ASRAH	0	0	0	0	0	0	31	0
ABBANIYA	0	0	0	0	0	0	31	0

TABLE 14 (9) JULY 1957

DAILY PRECIPITATION UNIT (MILLIMETERS, tr. < 0.05 mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 15

BAGHDAD AIRPORT

Month ~~June~~ JUL 1957

Year 1957

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																									
>500 -1000M																									
1000 -1500M				1																					1
>1500 -3000M									1/1				1/1					1							3
3 -5KM			1					1/1	1/1	1/1	1/1			1/1			1	6							13
>5 -10KM	1		1	7	1/6	2/4	1/3	1	1/1	2/2	1/1		1/1		1/1	2/3	1/14	3/17	5	3	1				72
>10 -15KM	3	3	8	12	11	16	8	6	4		3	6	4	5	6	6	13	5	9	8	7	7	4	3	157
>15KM	27	28	21	11	14	11	20	23	24	28	26	25	25	25	24	22	3	2	17	20	23	24	27	28	498
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE

In fields containing two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency Of Different Heights
Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
>900M																									

TABLE 15-CONT.

BASRAH AIRPORT

Month July

Year 1957

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																									
>500 -1000M																									
>1000 -1500M																	1/1								1
>1500 -3000M									1/1	1/1	1/1	1/1	1/1	2/2	2/2	1/1	1/1	1/1	1/1	2/2					15
>3 -5KM					1/1	1/1						1/1	1/1			1/1			1/1				1/1	1/1	8
>5 -10KM	1/1	1/1	1/1	2/2			1/1	2/2	1/1	3/3	2/2	3/3	4/4	2/2	2/2	2/2	1/1	2/2	1/1	3/3	2/1	1/1			37
>10 -15KM	5	3	5	5	2	1		1	1	5	8	5	3	5	5	4	6	3	5	1	4	2	3	2	84
>15KM	25	27	25	24	28	29	30	28	28	22	20	21	22	22	22	23	22	25	23	25	25	28	27	28	599
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE

In fields containing two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency Of Different Heights
Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
>900M																									

TABLE 16

Month July

Year 1957

BAGHDAD AIRPORT

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≥ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR * >900													1						1	7	3	3	12	9	27	11	20	31	31	31
AND ≥5/8													1			1			2	1	3		4	6	28	25	22	31	31	31
														2				1	5		22	9	7	49	17	24	174	31	31	248
TOTAL													1						1	7	3	3	12	8	27	11	20	31	31	31
													1			1			2	1	3		4	6	28	25	22	31	31	31
														2				1	5		22	9	7	49	17	24	174	31	31	248

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 16-CONT.

Month JULY

Year 1957

BASRAH AIRPORT

Simultaneous Occurrences Of

Specified Visibility Ranges and Specified Lowest

Cloud Base (≥ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR *																			1	2	1	5	5		25	24	30	31	31	31
>900													1	1	1		1	1	3	4	2	5	3	4	22	22	23	31	31	31
AND ≥5/8													1		4	1		3	1	1	15	5	2	29	23	28	197	31	31	248
TOTAL																			1	2	1	5	5		25	24	30	31	31	31
													1	1	1		1	1	3	4	2	5	3	4	22	22	23	31	31	31
													1		4	1		3	1	1	15	5	2	29	23	28	197	31	31	248

NOTE:

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

AUG 1957

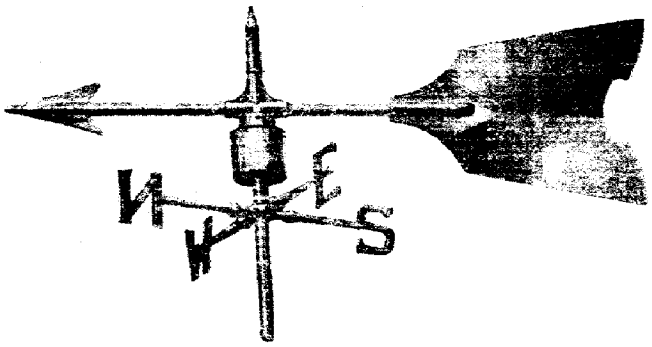
الحكومة العراقية

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

التقرير الجوي الشهري
للعراق
بغداد



GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT

Aug 57

MONTHLY WEATHER REPORT FOR IRAQ

BAGHDAD.

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C O N T E N T S

TABLE		PAGE
-	MAP SHOWING ALL METEOROLOGICAL STATIONS	SEE JANUARY
1	MEAN DAILY TEMPERATURE.	1
2	MEAN MONTHLY GRASS MIN. TEMPERATURE, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES.	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE.	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE WIND.	6-8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE.	10-11
16	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE.	12-13

PREPARED AND PUBLISHED
BY THE IRAQ METEOROLOGICAL DEPARTMENT
CLIMATOLOGICAL SECTION

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBA	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Height of Station above M.S.L. (IN METERS)
2. Hb. means Height of barometer cistern above M.S.L. (IN METERS)
3. Ha. means Height of anemometer above the ground. (IN METERS)

STATION	LATITUDE	LONGITUDE	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
AQRA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	180 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
[illegible]	35 03 N.	44 27 E.	204 m.
[illegible]	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	-
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	-
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KIFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
QADAR KARAM	35 11 N.	44 53 E.	400 m.
MAKHMUR	35 46 N.	43 34 E.	450 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
KAI SANJAC	36 05 N.	44 38 E.	600 m.
TAG TAG	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
TUZ	34 53 N.	44 39 E.	220 m.
ANA	34 28 N.	41 27 E.	-
DIALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
MANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
S[illegible]ICHA	30 42 N.	43 41 E.	-
S[illegible]AWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

TABLE 1 AUGUST 1957

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	HAIT	RUTBA	DIWANIYA	NASIRIYA	BASRAH
1	39.1	36.5	38.8	35.8	35.7	36.0	36.3	37.1
2	38.0	36.2	39.4	36.1	36.1	35.3	37.1	36.5
3	38.2	36.8	37.0	35.0	36.4	37.0	35.4	36.3
4	38.2	34.4	37.9	35.6	35.8	35.8	36.5	34.5
5	38.4	34.8	39.1	36.3	36.5	35.5	36.9	34.9
6	39.3	36.2	39.9	36.5	36.0	36.2	36.8	35.3
7	37.0	34.0	34.8	37.6	32.5	35.1	37.1	36.6
8	33.5	33.2	32.6	33.8	29.0	31.6	33.9	34.4
9	32.7	32.9	34.1	32.2	29.1	30.2	31.8	32.5
10	34.1	31.6	32.6	33.2	30.7	32.9	33.6	32.2
11	34.3	32.4	33.6	33.6	31.5	33.2	34.9	33.2
12	34.8	34.0	34.7	34.3	32.0	33.2	33.8	33.4
13	34.7	34.4	34.4	34.4	31.8	32.6	33.9	33.1
14	34.1	32.6	35.2	34.2	31.4	31.9	35.1	34.2
15	35.8	32.2	34.3	34.7	32.3	33.4	34.1	33.3
16	35.4	35.2	35.0	34.5	31.8	32.9	34.9	34.2
17	33.9	32.2	36.6	33.8	31.4	32.7	34.3	33.2
18	34.6	33.1	35.2	33.8	32.2	33.1	34.2	33.8
19	34.8	32.0	34.7	33.7	32.1	33.4	34.9	33.4
20	36.1	32.1	36.0	33.4	32.8	33.7	34.4	32.9
21	36.4	35.0	36.0	35.1	31.9	32.9	34.1	33.2
22	34.9	33.1	34.4	35.0	31.6	33.2	34.2	34.0
23	35.2	32.1	35.1	34.1	30.5	33.8	34.2	33.1
24	34.7	31.9	31.8	34.3	29.5	32.7	33.7	34.0
25	33.8	29.5	32.2	32.6	29.2	32.5	33.0	32.7
26	33.1	29.9	30.9	32.0	28.2	30.1	31.8	31.5
27	32.6	31.6	32.2	32.2	28.6	30.3	32.0	30.8
28	33.7	30.5	31.9	33.5	29.9	32.7	33.7	32.4
29	34.3	31.5	34.4	34.1	30.9	33.5	34.4	32.9
30	34.8	32.7	33.7	33.3	31.8	33.4	34.3	33.6
31	35.3	31.1	34.8	34.3	31.8	33.5	34.7	33.9
MEANS	35.3	33.1	35.9	34.3	31.9	33.7	34.5	33.8

TABLE 2

MONTHLY MEAN TEMPERATURES

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	35.8	30.9	367.6
MOSUL	18.9	36.2	32.2	.....
KIRKUK	21.3	31.8	30.1	.....
BASRAH	20.3	....	....	370.8
HABBANIYA	20.6	35.2	32.3	380.5

TABLE 3 (2) AUGUST 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	49.5	32.8	48.6	25.0	45.5	31.7	46.1	28.7	47.8	31.1
2	48.0	27.2	48.0	26.1	45.5	34.8	46.2	28.4	47.8	27.2
3	47.7	29.6	47.8	28.5	45.7	27.6	44.0	29.8	47.8	27.2
4	48.6	28.0	48.0	21.8	46.1	29.4	41.9	27.2	46.6	27.8
5	50.2	26.8	48.3	23.0	46.7	30.6	41.8	28.2	48.3	28.9
6	49.6	28.0	49.8	20.9	47.3	31.1	44.6	29.2	48.3	29.4
7	46.6	29.8	42.0	26.4	42.8	28.4	43.4	30.1	42.2	29.4
8	41.6	24.8	42.9	25.3	38.9	26.4	40.3	29.4	40.5	25.0
9	43.6	21.7	42.6	20.7	40.5	27.4	39.3	27.2	41.6	24.4
10	43.6	22.3	43.6	20.4	41.1	24.9	40.2	25.4	42.2	23.3
11	45.3	21.6	43.8	20.4	42.4	23.7	39.9	26.0	43.9	23.9
12	45.1	24.4	44.1	20.6	42.9	26.0	39.8	28.0	43.9	25.0
13	45.4	22.3	45.0	22.1	43.0	26.2	41.1	25.0	43.3	25.0
14	43.5	24.5	40.5	26.6	41.7	28.4	43.8	25.8	42.8	3 .1
15	45.5	25.8	42.0	24.6	39.7	29.6	41.1	26.7	42.8	26.1
16	43.8	27.8	42.5	26.9	40.7	28.2	40.8	26.7	43.9	28.3
17	44.5	22.6	43.0	19.0	43.0	30.8	39.6	27.4	43.3	24.4
18	44.5	24.5	43.3	20.1	40.6	29.2	40.8	25.9	43.9	25.5
19	44.2	23.1	43.0	20.4	40.7	26.8	40.3	26.4	44.4	23.9
20	45.6	25.2	42.7	20.1	42.1	30.9	40.7	26.2	44.4	25.0
21	46.4	25.0	44.2	25.7	41.4	30.3	40.9	26.5	43.9	24.4
22	45.0	24.0	42.1	27.1	41.2	30.5	41.2	26.8	43.9	24.4
23	44.8	23.2	44.1	18.3	41.5	27.1	40.9	27.5	41.1	25.0
24	43.1	27.0	41.6	24.6	40.2	25.3	42.3	25.6	41.1	22.8
25	42.6	21.4	42.1	17.0	40.5	23.7	39.0	28.5	40.0	22.2
26	42.3	23.3	42.2	19.8	40.2	22.9	38.3	25.7	40.5	22.8
27	42.9	21.3	42.4	20.1	39.9	24.7	38.0	24.2	42.8	22.8
28	43.3	22.7	41.7	20.6	40.3	24.4	40.5	24.8	43.3	23.3
29	44.0	22.5	43.1	21.7	41.9	26.4	40.3	24.7	42.8	24.4
30	45.2	24.0	42.9	20.7	42.3	25.6	41.2	25.8	43.9	25.0
31	46.0	23.3	43.4	18.1	42.8	26.2	40.2	27.8	43.9	25.0
MEANS	45.3	24.9	43.9	22.3	42.2	27.7	41.2	27.0	43.8	25.5
NORMAL	43.3	24.6	43.2	21.0	42.3	26.0	41.1	26.2	43.8	24.8

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	50.2	5th.	1957	17.8	27th.	1937
MOSUL	49.8	6th.	1957	14.8	28th.	1955
KIRKUK	47.3	6th.	1957	19.4	26th.	1941
BASRAH	48.9	9th.	1938	20.0	29th.	1941
HABBANIYA	50.0	1 & 8th.	1938	19.4	28&29th.	1941

TABLE 3-CONT. AUGUST 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBAH		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	46.6	30.0	44.3	24.5	45.8	25.6	46.0	27.2	47.8	27.2
2	46.5	31.0	44.0	27=0	45.2	25.3	43.8	25.2	46.6	29.0
3	46.0	29.0	44.4	29.6	44.2	26.6	46.7	26.0	43.7	28.1
4	47.0	27=8	44.5	26.5	44.5	25.0	45.5	25.2	46.3	28.0
5	48.5	27.0	45.2	25.7	46.0	28.2	45.5	27.2	47.8	27.0
6	48.5	25.0	44.2	26.3	47.4	25.1	45.8	26.0	47.0	28.6
7	45.8	27.0	41.6	24.3	46.0	29.6	42.9	28.0	47.8	30.0
8	40.8	22.5	35.4	21.7	41.4	26.6	39.4	23.5	43.0	27.4
9	41.8	21.0	37.4	20.5	41.0	23.3	39.2	20.4	42.0	25.1
10	42.2	23.3	39.5	19.4	42.5	25.0	41.6	24.0	43.9	23.0
11	43.0	21.7	40.2	20.4	42.6	24.8	41.6	23.0	45.0	26.7
12	43.3	23.3	40.7	21.2	43.3	25.8	42.0	23.0	44.5	26.2
13	43.6	23.9	39.3	23.0	43.2	24.6	42.0	21.6	44.3	23.9
14	42.2	28.9	38.8	24.0	43.3	25.4	42.2	21.0	45.2	23.8
15	41.7	32.0	39.0	22.5	43.8	25.4	42.8	23.6	45.2	25.0
16	42.8	26.1	39.4	22.4	43.4	24.6	42.5	22.8	44.2	24.0
17	42.6	27.0	40.1	22.2	42.8	25.1	42.2	23.5	44.3	25.1
18	42.5	27.6	40.7	22.2	42.7	24.6	42.8	24.0	44.7	25.7
19	41.5	27.0	41.0	22.8	43.0	25.3	42.0	23.8	44.7	26.8
20	44.0	28.0	40.5	23.7	44.1	23.7	42.8	24.5	45.0	25.7
21	43.7	29.0	40.4	23.3	44.6	24.6	42.0	25.8	44.2	24.7
22	43.5	28.3	41.0	20.0	44.0	24.8	42.6	23.5	45.0	25.0
23	42.7	24.4	39.6	20.2	43.0	25.6	42.6	25.4	44.2	25.0
24	41.3	24.0	38.0	20.3	42.0	27.4	41.0	24.0	44.1	26.7
25	41.0	22.8	37.7	18.8	41.0	24.8	39.0	24.8	42.2	26.0
26	40.6	18.3	36.5	20.0	40.4	23.8	38.6	21.5	42.0	23.4
27	41.0	18.6	38.3	19.4	40.6	21.4	39.6	20.6	42.3	21.6
28	40.6	19.5	39.0	21.0	41.5	25.4	40.8	24.0	43.8	24.2
29	42.7	19.5	39.5	19.8	44.5	25.6	42.4	23.8	45.4	25.4
30	41.9	20.7	41.0	20.0	43.6	23.7	42.8	23.2	45.5	23.2
31	42.8	21.5	40.5	22.6	44.1	25.4	42.4	23.5	45.2	25.0
MEANS	44.6	25.8	40.4	22.4	43.4	25.2	42.3	24.0	44.7	25.7
NORMAL	43.2	25.0	39.0	21.1	44.3	26.1	42.9	22.8	44.1	24.6

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	49.5	8th.	1938	11.6	24th.	1942
RUTBAH	45.6	10th.	1930	15.0	25th. &25th.	1942 1949
HAI	48.9	26th.	1943	18.9	28&30th.	1941
DIWANIYA	48.3	26th.	1943	16.1	29th.	1941
NASIRIYA	49.4	15th.	1951	16.1	24th.	1946

TABLE 4 AUGUST 1957

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	29.1	26.3	35.0	41.5	44.0	42.0	34.0	30.9	35.3
MOSUL	24.9	23.8	32.9	40.8	42.7	40.0	31.5	27.8	33.1
KIRKUK	29.4	29.1	36.2	40.0	41.1	39.6	33.5	31.2	35.0
KHANAQIN	....	27.1	37.7	42.0	42.8	40.6	35.0	....	37.5
DIWANIYA	27.0	24.8	33.7	40.2	42.0	37.9	35.0	29.4	33.8
NASIRIYA	27.5	26.2	35.0	42.1	43.8	39.4	32.8	29.8	34.6
BASRAH	28.7	27.8	33.9	38.7	40.6	37.2	32.9	30.7	33.8
RUTBAH	25.3	23.3	31.1	37.1	39.7	38.3	32.4	27.9	31.9
HAI	27.7	26.4	34.9	41.5	42.6	38.1	33.1	30.1	34.4
HABBANIYA	28.1	26.0	33.0	41.2	43.4	41.0	33.9	30.8	34.7

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	17.8	16.4	21.0	22.9	22.8	22.2	20.1	18.6	20.2
MOSUL	15.5	15.2	19.1	21.0	21.0	21.0	17.9	16.7	18.4
KIRKUK	15.4	15.5	18.3	19.2	19.2	18.6	16.7	15.9	17.4
KHANAQIN	....	15.7	20.0	22.0	22.0	21.1	20.0	....	20.1
DIWANIYA	17.9	17.8	22.1	24.3	23.9	23.3	21.6	19.3	21.3
NASIRIYA	18.9	17.9	21.0	22.0	22.2	23.2	21.9	20.3	21.0
BASRAH	22.9	22.3	25.1	26.6	27.2	27.3	26.0	24.5	25.2
RUTBAH	13.3	12.9	16.1	18.4	18.7	17.9	15.8	14.1	15.9
HAI	17.0	16.7	21.4	22.5	22.2	21.3	19.2	17.9	19.8
HABBANIYA	18.1	17.2	20.5	22.5	22.3	22.1	20.4	19.1	20.3

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS) AT M.S.L. FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	00.6	01.3	02.2	01.9	00.5	99.9	01.1	01.1	1001.1
MOSUL	03.2	04.1	04.0	02.2	01.2	00.6	02.4	03.2	1002.7
KIRKUK	02.0	02.5	02.3	01.3	99.9	99.6	01.8	02.2	1001.5
KHANAQIN	....	01.0	01.0	99.9	99.5	99.8	99.3	....	1000.1
DIWANIYA	00.4	01.3	02.3	01.7	00.5	00.0	01.1	00.9	1001.0
NASIRIYA	00.1	00.7	01.8	01.2	00.0	99.6	00.7	00.6	1000.6
BASRAH	99.9	00.4	01.3	01.0	00.2	99.8	00.5	00.4	1000.4
RUTBAH	02.7	03.5	03.9	03.3	02.4	02.2	02.8	03.0	1002.9
HAI	99.6	00.2	01.3	00.8	99.7	99.2	00.4	00.2	1000.2
HABBANIYA	01.2	02.0	02.9	02.4	01.1	00.6	01.5	01.4	1001.6

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	32	36	28	20	16	17	27	30	26
MOSUL	38	41	26	16	13	17	26	32	26
KIRKUK	21	22	16	12	10	11	15	18	16
KHANAQIN	..	25	16	12	11	15	19	..	16
DIWANIYA	43	51	39	27	22	29	38	39	36
NASIRIYA	42	40	25	13	11	22	36	39	29
BASRAH	61	61	48	37	34	46	57	59	50
RUTBAH	22	28	20	13	10	10	14	18	17
HAI	33	37	30	19	16	22	26	30	27
HABBANIYA	34	38	29	17	12	15	26	31	25

TABLE 8 AUGUST 1957

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.0	12.3	15.6	15.8	13.8	13.7	14.4	13.4	14.0
MOSUL	11.6	11.7	12.9	11.8	10.7	12.4	11.7	11.8	11.8
KIRKUK	8.5	8.6	9.6	8.5	7.8	7.5	7.8	8.0	8.2
KHANAQIN	....	8.8	9.6	9.9	10.7	9.5	10.3	....	9.8
DIWANIYA	15.2	15.8	20.2	20.1	17.9	19.1	17.7	16.0	17.8
NASIRIYA	15.3	14.0	13.9	10.6	9.6	15.6	17.8	16.5	14.2
BASRAH	23.7	22.7	25.0	25.3	25.5	28.6	28.2	26.0	25.6
RUTBAH	7.1	7.9	8.5	8.2	6.9	6.5	6.7	6.7	7.3
HAI	12.3	12.6	16.8	14.9	13.3	14.3	13.1	12.5	13.7
HABBANIYA	13.3	13.0	12.8	14.4	12.6	10.2	11.7	13.3	12.7

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	10.7	9.8	13.8	13.6	11.5	11.5	12.0	11.1	11.8
MOSUL	8.8	9.1	10.4	9.3	7.4	9.7	8.5	8.9	9.0
KIRKUK	4.0	4.5	5.5	4.3	2.9	2.4	3.0	3.4	3.8
KHANAQIN	....	8.8	9.6	9.9	10.7	9.5	10.3	....	9.8
DIWANIYA	12.9	13.7	17.4	17.2	15.5	16.4	15.3	13.7	15.3
NASIRIYA	12.5	11.3	11.1	10.6	12.5	13.1	15.3	14.0	11.3
BASRAH	19.7	19.0	20.8	21.0	21.1	23.0	22.9	21.5	21.1
RUTBAH	1.7	3.1	4.1	3.6	1.4	0.5	0.8	0.8	2.0
HAI	9.8	10.0	14.4	12.5	11.0	12.1	10.7	10.1	11.3
HABBANIYA	10.8	10.5	10.3	12.1	9.9	7.0	9.0	10.6	10.0

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
MOSUL	0.4	0.5	0.5	0.6	1.1	0.9	0.4	0.5	0.6
KIRKUK	0.3	0.4	0.5	0.4	0.6	0.5	0.1	0.2	0.4
KHANAQIN	...	0.3	0.3	0.1	1.0	0.6	0.0	...	0.4
DIWANIYA	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
NASIRIYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BASRAH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RUTBAH	0.1	0.4	0.3	0.2	0.8	0.9	0.3	0.1	0.4
HAI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HABBANIYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 11

MONTHLY MEAN TOTAL CLOUD AMOUNT (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.1	0.4	0.3	0.1	0.3	0.2	0.1	0.7	0.2
MOSUL	0.5	0.7	0.8	0.7	1.5	1.3	0.5	0.6	0.9
KIRKUK	0.4	0.4	0.7	0.5	0.6	0.5	0.1	0.2	0.4
KHANAQIN	...	0.6	1.0	0.6	1.1	1.0	0.1	...	0.7
DIWANIYA	0.2	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.2
NASIRIYA	0.0	0.2	0.2	0.1	0.2	0.1	0.0	0.0	0.1
BASRAH	0.0	0.2	0.2	0.1	0.2	0.2	0.0	0.0	0.1
RUTBAH	0.2	1.0	0.6	0.5	1.0	1.1	0.4	0.2	0.6
HAI	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1
HABBANIYA	0.2	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.3

TABLE 12 AUGUST 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

BAGHDAD

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	9	1	1	0	0	0	3	13	4	27	6	0	0	4
0300	5	1	1	0	0	0	7	14	3	28	0	0	0	5
0600	8	0	1	1	0	0	3	16	2	26	3	0	0	6
0900	10	0	2	1	1	0	3	14	0	25	6	0	0	9
1200	10	0	0	1	1	0	6	13	0	22	9	0	0	9
1500	7	0	0	0	0	0	7	13	4	26	1	0	0	6
1800	1	1	0	1	2	0	8	14	4	27	0	0	0	4
2100	2	0	1	1	1	2	5	13	6	23	2	0	0	4
TOTAL	52	3	6	5	5	2	42	110	23	204	21	0	0	6

MOSUL

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	8	4	3	1	0	0	4	5	6	22	2	1	0	5
0300	12	3	2	1	1	1	4	4	2	28	1	0	0	4
0600	17	10	4	0	0	0	0	0	0	25	6	0	0	7
0900	7	7	11	3	1	0	2	0	0	27	4	0	0	7
1200	6	7	4	1	5	2	1	3	2	26	3	0	0	6
1500	6	6	6	1	0	1	7	3	1	25	5	0	0	6
1800	7	2	7	1	0	3	9	2	0	23	8	0	0	7
2100	11	3	7	0	1	0	3	1	5	22	4	0	0	5
TOTAL	75	42	44	8	8	7	30	18	16	198	33	1	0	6

KIRKUK

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	5	19	7	0	0	0	0	0	0	25	6	0	0	7
0300	4	18	5	1	0	0	0	2	1	26	4	0	0	6
0600	4	9	5	1	4	0	3	3	2	25	4	0	0	6
0900	3	2	4	2	1	7	8	3	1	23	7	0	0	8
1200	4	3	5	0	4	2	8	5	0	28	3	0	0	7
1500	0	4	4	0	1	1	11	9	1	29	1	0	0	6
1800	7	7	5	0	0	0	3	5	4	23	1	0	0	5
2100	3	16	8	0	0	0	0	2	2	26	3	0	0	5
TOTAL	30	78	43	4	10	10	33	29	11	208	29	0	0	6

DIWANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	9	0	2	0	0	0	10	3	7	23	1	0	0	5
0300	8	1	1	0	1	1	12	0	7	24	0	0	0	4
0600	8	0	1	0	1	0	17	0	4	25	2	0	0	5
0900	10	0	0	1	0	0	9	7	4	19	8	0	0	7
1200	11	0	0	0	1	0	15	2	2	21	8	0	0	7
1500	10	0	1	0	0	0	9	7	4	26	1	0	0	4
1800	6	0	1	0	0	0	12	2	10	21	0	0	0	3
2100	8	1	2	0	0	0	8	2	10	19	2	0	0	4
TOTAL	70	2	8	1	3	1	92	23	48	178	22	0	0	5

TABLE 12-CONT. AUGUST 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

NASIRIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	4	1	1	1	3	2	6	12	1	26	4	0	0	6
0300	2	0	2	0	2	3	9	11	2	28	1	0	0	6
0600	6	0	1	0	0	0	6	18	0	25	6	0	0	8
0900	7	0	3	1	0	0	2	18	0	20	11	0	0	10
1200	5	0	3	1	0	0	4	18	0	16	15	0	0	11
1500	8	0	5	3	0	0	2	13	0	25	6	0	0	7
1800	4	0	2	4	0	0	7	12	2	28	1	9	0	5
2100	3	0	2	2	1	3	3	16	1	27	3	0	0	7
TOTAL	39	1	19	12	6	8	39	118	6	195	47	0	0	8

BASRAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	0	1	0	1	2	5	13	6	3	27	1	0	0	5
0300	2	0	2	2	2	6	10	5	2	29	0	0	0	4
0600	0	0	0	2	1	1	14	8	5	25	1	0	0	5
0900	1	0	4	0	0	0	18	8	0	25	6	0	0	7
1200	1	0	3	1	0	0	15	11	0	24	7	0	0	8
1500	3	0	3	1	0	1	9	13	1	29	1	0	0	4
1800	1	0	2	0	2	1	14	9	2	28	1	0	0	5
2100	1	0	1	1	3	3	10	9	3	25	3	0	0	5
TOTAL	9	1	15	8	10	17	103	69	16	212	20	0	0	5

KHANAQIN

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	0	1	9	2	1	0	0	1	17	14	0	0	0	2
0600	2	1	10	0	0	1	1	2	14	16	1	0	0	3
0900	9	0	1	0	6	0	4	9	2	28	1	0	0	5
1200	9	0	0	0	1	0	11	9	1	29	1	0	0	6
1500	3	1	1	0	4	0	15	5	2	28	1	0	0	5
1800	3	0	2	0	1	0	3	1	21	10	0	0	0	2
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	26	3	23	2	13	1	34	27	58	125	3	0	0	4

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	W	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	3	0	1	0	2	1	8	2	14	14	3	0	0	3
0300	1	0	0	0	2	5	7	3	13	16	2	0	0	3
0600	8	2	1	0	0	1	0	11	8	18	5	0	0	5
0900	6	3	4	4	2	0	7	4	1	24	6	0	0	7
1200	9	1	1	2	0	1	8	7	2	18	11	0	0	9
1500	7	1	2	1	1	1	7	9	2	16	13	0	0	9
1800	6	2	2	1	0	0	6	7	7	23	1	0	0	4
2100	4	0	0	1	3	2	2	4	15	14	2	0	0	3
TOTAL	44	9	11	9	10	11	45	47	62	143	43	0	0	5

TABLE 12-CONT. AUGUST 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

HAI

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	0	1	1	0	0	0	20	3	6	14	11	0	0	8
0300	0	0	1	0	0	1	12	3	8	21	2	0	0	5
0600	0	1	1	1	0	1	17	2	8	18	5	0	0	6
0900	0	0	4	2	1	0	17	3	4	15	12	0	0	8
1200	0	0	2	1	1	0	18	5	4	12	15	0	0	9
1500	0	0	2	0	0	0	16	3	10	13	8	0	0	6
1800	0	0	1	0	1	0	20	3	6	22	3	0	0	6
2100	0	0	0	1	0	0	20	4	6	17	8	0	0	7
TOTAL	0	2	12	5	3	2	146	26	52	132	34	0	0	7

HABBANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	0	0	3	0	3	1	8	9	7	24	0	0	0	3
0300	0	0	1	0	1	1	13	7	8	20	3	0	0	4
0600	0	0	1	0	0	1	18	8	3	28	0	0	0	4
0900	4	0	1	0	0	0	10	15	1	23	7	0	0	7
1200	4	2	0	0	1	0	11	13	0	21	10	0	0	8
1500	5	1	1	1	0	3	13	7	0	20	11	0	0	9
1800	4	0	2	0	2	0	12	9	2	24	5	0	0	6
2100	3	0	3	0	1	0	12	4	8	22	1	0	0	3
TOTAL	20	3	12	1	8	6	97	72	29	182	37	0	0	6

TABLE 13

NUMBER OF CASES OF :-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	0	0	0	0	0	0	30	0
MOSUL	0	0	0	0	0	1	25	0
KIRKUK	0	0	0	0	0	2	27	0
KHANAQIN	0	0	0	0	0	0	26	0
HAI	0	0	0	0	0	0	31	0
RUTBAH	0	0	0	0	0	1	24	0
DIWANIYA	0	0	0	0	0	0	31	0
NASIRIYA	0	0	0	0	0	0	31	0
BASRAH	0	0	0	0	1	0	30	0
HABBANIYA	0	0	0	0	0	0	30	0

TABLE 14 AUGUST 1957

DAILY PRECIPITATION UNIT MILLIMETERS ,(tr. <0.05 mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRA	HABBA-NIYA
1		tr.								
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30					tr.					
31					tr.					
TOTAL	0.0	tr.	0.0	0.0	tr.	0.0	0.0	0.0	0.0	0.0

TABLE 15

BAGHDAD AIRPORT

Month August

Year 1957

Frequency of Horizontal Visibility

TIME - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									—
>200 -500M																									—
>500 -1000M																									—
>1000 -1500M																									—
>1500 -3000M																	3	2	1						6
>3 -5KM				1	1				1/1								2	4	2	1					12
>5 -10KM				9	8	1/8	1/4	1/3	1/1	1/1	1/1		2/2				1/20	9		2					68
>10 -15KM	6	5	6	10	12	14	12	6	2	8	4	4	3	2	5	16	6	12	10	10	12	10	7	4	186
>15KM	25	26	25	11	10	9	15	22	27	22	26	27	25	29	26	15		4	18	18	19	21	24	27	472
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE

In fields containing two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency of Different Heights Of Cloud-Base (Amount 5-8 Oktas)

TIME - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									—
>50 -150M																									—
>150 -300M																									—
>300 -500M																									—
>500 -900M																									—
>900M				1	1	1	1	1	1																6

TABLE 15-CONT.

Month August

YEAR 1957

BASRAH AIRPORT

Frequency Of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									—
>200 -500M																									—
>500 -1000M					1																				1
>1000 -1500M																									—
>1500 -3000M										2/2	1/1	1/1				1	1/1	1/1	1/1	1/1					9
>3 -5KM					1	1/1							1/1	1/1	1/1		1/1	1/1							7
>5 -10KM				3/3	2						1/1	1/1	2/2	3/3	1/1	1			1/1		1/1	1/1			17
>10 -15KM	1	1	2	4	2	3	3	1	2	1	3	4	2	1	3	3	2	2	2	2	3	2	2	3	54
>15	30	30	29	24	25	27	28	30	29	28	26	25	26	26	26	26	27	27	27	28	27	28	29	28	656
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency Of Different Heights Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									—
>50 -150M																									
>150 -300M					1																				1
>300 -500M																									
>500 -900M																									
>900M																									

TABLE 16

(12)

Month August

Year 1957

BAGHDAD AIRPORT

Simultaneous Occurrences Of

Specified Visibility Ranges and Specified Lowest

Cloud Base (≥ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR * >900													1			1			9	4	6	10	12	25	11	15	31	31	31
AND ≥5/8																			1	2	8	3	16	22	26	15	31	31	31
													1		1	2		3		16	10	10	75	18	21	153	31	31	248
TOTAL																1			9	4	6	10	12	25	11	15	31	31	31
																			1	2	8	3	16	22	26	15	31	31	31
													1		1	2		3		16	10	10	75	18	21	153	31	31	248

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00 03 06
09 12 15 G.M.T.
18 21 To

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 16-CONT.

Month August
Year 1957

BASRAH AIRPORT

Simultaneous Occurrences Of
Specified Visibility Ranges and Specified Lowest
Cloud Base (≤ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR*																			3		1	4	3	30	24	28	31	31	31
>900													2		1		1		2	1	1	2	3	28	26	26	31	31	31
AND ≥5/8													1		4			1	1	1	8	2	2	18	27	28	217	31	31	248
TOTAL																			3		1	4	3	30	24	28	31	31	31
													2		1		1		2	1	1	2	3	28	26	26	31	31	31
													1		4			1	1	1	8	2	2	18	27	28	217	31	31	248

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

SEP 1957

الحكومة العراقية

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

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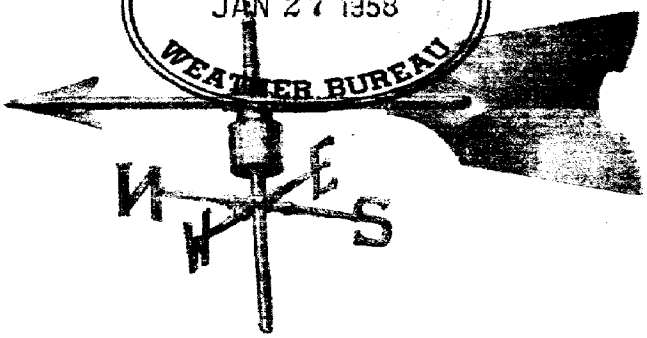

GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT

Sept 57

MONTHLY WEATHER REPORT FOR IRAQ

BAGHDAD.

Sept. '57

C O N T E N T S

TABLE		PAGE
-	MAP SHOWING ALL METEOROLOGICAL STATIONS	SEE JANUARY
1	MEAN DAILY TEMPERATURE.	1
2	MEAN MONTHLY GRASS MIN. TEMPERATURE, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES.	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE.	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE WIND.	6-8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE.	10-11
16	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE.	12-13

PREPARED AND PUBLISHED
BY THE IRAQ METEOROLOGICAL DEPARTMENT
CLIMATOLOGICAL SECTION

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBAH	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Hiehgt of Station above M.S.L. in (Meters)
2. Hb. means Height of Barometer cistern above M.S.L. in (Meters)
3. Ha. means Height of Anemometer above the ground. in (Meters)

STATION	LATITUDE N.	LONGITUDE E.	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
AQRA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	186 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHUARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	–
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
NEAQLAWA	36 23 N.	44 20 E.	–
SNUNANK	36 58 N.	43 32 E.	1046 m.
SINKIRD	36 03 N.	45 03 E.	708 m.
ZUBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KOUFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
TUZ KH	34 53 N.	44 39 E.	220 m.
QADIR KARAM	35 11 N.	44 53 E.	400 m.
MAKHMUR	35 46 N.	43 34 E.	450 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
KAI SANJAC	36 05 N.	44 38 E.	600 m.
TAG TAG	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
ANA	34 28 N.	41 27 E.	–
DIALA (SEDOR)	34 05 N	45 21 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	25 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
MANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	–
SAMAWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

TABLE 1 SEPTEMBER 1957

MEAN DAILY TEMPERATURES

ATE	BAGHDAD	MOSUL	KIRKUK	[illegible]	HAI	DIWANIYA	NASIRIYA	BASRAH
1	35.3	32.2	34.7		34.9	33.2	34.2	32.2
2	35.0	30.5	32.2		33.8	34.7	34.3	31.9
3	35.2	29.1	32.5		32.6	34.7	33.2	32.5
4	35=6	29.5	33.7		34.3	34.6	34.5	34.2
5	34.8	30.4	34.5		34.7	33.1	34.0	32.4
6	34.1	31.3	33.0		34.2	32.5	34.4	33.2
7	33.7	30.2	32.3		32.9	31.9	32.[illegible]	31.2
8	33.9	29.4	31.8		34.0	33.3	33.[illegible]	32.1
9	34.7	30.1	32.2		33.6	33.2	33.3	30.8
10	33.1	30.5	31.5		33.2	32.6	33.2	31.3
11	32.9	28.3	31.5		32.1	31.6	32.8	30.0
12	35.2	29.4	31.8		32.0	32.7	32.0	31.1
13	34.8	28.4	31.1		34.1	33.1	34.5	32.5
14	31.7	26.4	30.4		31.5	29.7	31.8	31.5
15	30.3	28.3	31.4		30.0	29.9	30.7	30.2
16	30.4	29.[illegible]	31.8		30.7	29.7	31.0	29.6
17	31.3	27.[illegible]	30.8		30.1	29.4	31.1	30.6
18	31.9	26.[illegible]	31.2		29.8	29.9	31.1	31.0
19	32.8	28.7	31.5		30.0	29.7	32.0	30.0
20	31.4	27.2	31.6		31.3	30.3	31.4	30.7
21	31.2	27.5	30.7		31.0	29.2	31.4	32.6
22	32.0	25.[illegible]	31.0		30.9	30.8	32.8	31.2
23	32.1	27.3	32.2		32.9	30.6	32.5	31.1
24	30.9	27.3	29.1		31.3	30.3	32.3	31.0
25	39.3	26.9	28.3		29.6	28.1	29.5	29.3
26	28.8	27.6	27.6		28.8	28.0	29.8	29.1
27	28.4	24.4	27.6		30.0	29.3	31.1	29.8
28	27.4	24.4	27.2		28.1	26.4	28.2	27.9
29	28.3	23.2	27.5		28.7	27.8	28.[illegible]	27.5
30	29.8	23.6	28.0		29.0	27.9	29.5	27.1
MEANS	32.2	28.1	31.0		32.0	30.9	32.[illegible]	30.9

TABLE 2

MONTHLY MEAN TEMPERATURES C.

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	33.6	30.7	318.9
MOSUL	9.4	32.1	31.1	.....
KIRKUK	18 2	29.0	29.1	.....
HAI	19.9	....	....	.....
BASRAH	17.3	....	....	294.8
HABBANIYA	18.3	31.5	31.1	329.3

TABLE 3 (2) SEPTEMBER 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	44.8	24.6	43.5	19.8	42.0	27.2	40.0	26.9	43.9	26.6
2	43.8	28.0	40.7	17.6	40.6	24.4	39.0	24.8	42.8	26.1
3	44.5	27.6	40.6	17.9	40.7	23.9	43.6	24.4	42.8	25.0
4	45.4	23.4	42.3	18.7	41.6	26.4	45.0	26.7	44.4	25.0
5	43.3	24.6	44.6	17.8	43.4	29.6	44.1	25.6	41.6	25.0
6	43.0	26.2	42.1	21.7	39.9	24.4	41.8	25.8	40.5	23.9
7	43.8	22.4	41.7	18.4	40.9	24.4	40.2	24.3	41.6	23.3
8	43.6	22.7	41.8	15.9	40.4	22.7	43.6	24.2	42.2	23.3
9	43.6	22.6	42.2	18.6	40.4	22.8	40.2	22.7	42.2	23.9
10	44.4	26.4	42.0	16.6	40.2	23.8	41.4	21.8	42.2	25.0
11	44.1	22.8	41.7	15.7	40.6	20.3	36.8	23.2	42.2	23.3
12	44.6	22.5	41.2	20.6	40.8	23.1	40.5	22.0	42.6	23.3
13	42.4	28.9	38.8	19.1	38.8	24.6	42.3	24.7	40.5	28.9
14	39.4	25.4	39.4	15.5	37.7	22.9	39.1	25.0	37.8	23.3
15	41.2	20.2	41.4	15.5	39.5	22.8	37.6	22.1	34.4	22.2
16	41.1	21.2	41.8	17.7	40.0	24.7	38.2	21.2	40.0	21.6
17	41.0	21.2	41.6	14.6	39.4	23.8	38.4	22.8	40.5	20.5
18	42.2	21.7	41.4	14.4	39.3	22.2	38.6	25.3	41.6	21.1
19	42.5	22.7	41.8	16.4	39.9	24.9	37.4	23.2	41.1	23.3
20	42.2	20.7	40.1	15.8	40.4	23.7	40.5	22.2	40.5	21.1
21	42.7	20.6	39.4	18.1	39.4	23.4	43.5	24.3	41.1	22.8
22	42.2	22.7	40.3	15.0	39.7	22.6	40.5	25.9	41.6	21.1
23	42.1	22.9	40.7	14.6	40.6	23.4	39.8	24.3	40.5	23.3
24	40.0	20.2	38.7	15.9	37.9	21.7	39.7	23.2	38.9	21.1
25	38.3	21.7	37.9	15.7	36.2	21.6	36.2	22.4	37.2	22.2
26	38.1	19.5	36.8	18.0	35.3	21.6	36.6	24.2	36.1	21.1
27	38.0	18.3	34.6	15.1	34.9	21.6	39.1	21.4	35.5	20.[illegible]
28	38.1	18.7	35.7	16.0	35.2	19.8	34.4	24.2	34.4	18.[illegible]
29	37.5	18.8	34.8	14.5	35.2	21.4	35.4	19.7	36.1	21.[illegible]
30	38.5	21.1	35.6	14.7	35.2	20.2	36.0	21.8	38.3	20.[illegible]
MEANS	41.9	22.7	40.2	16.9	39.2	23.4	39.7	23.6	40.5	22.8
NORMAL	39.8	20.9	38.8	15.9	38.7	22.0	39.2	22.4	40.2	21.[illegible]

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	46.6	2&6th.	1945	10.5	30th.	1938
MOSUL	47.2	?	1935	7.2	30th. & 29th.	1938 1939
KIRKUK	46.1	2nd.	1945	9.4	30th.	1938
BASRAH	46.6	9th.	1951	14.4	23rd.	1940
HABBANIYA	48.4	2nd.	1945	11.1	30th.	1938

TABLE 3-CONT. SEPTEMBER 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBAH		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	42.2	25.0	39.7	23.7	44.0	24.5	44.0	24.5	45.2	25.4
2	41.7	23.3	38.0	20.0	43.7	24.7	44.2	26.8	44.9	25.0
3	42.2	21.7	37.8	21.8	43.0	22.6	44.4	24.8	42.6	24.6
4	42.8	24.0	37.5	22.7	43.7	23.4	44.2	27.6	44.3	24.0
5	43.6	26.7	37.8	22.2	44.6	26.6	42.2	22.7	44.1	23.4
6	40.6	23.3	39.2	18.5	42.2	26.8	39.6	26.6	43.8	25.6
7	42.2	22.8	39.0	20.2	42.4	22.8	39.8	22.5	43.0	25.0
8	42.2	22.8	39.0	20.0	43.4	24.6	43.4	22.8	45.2	24.1
9	42.0	22.0	39.4	20.2	42.6	24.2	42.8	23.8	44.0	24.7
10	41.5	21.1	39.4	20.4	42.5	25.2	41.2	22.8	44.1	24.3
11	41.8	19.4	40.4	22.0	41.6	23.4	41.2	22.6	43.0	23.6
12	42.0	20.6	37.7	24.3	41.8	20.4	42.0	22.6	42.9	23.0
13	40.8	25.0	34.5	20.2	43.2	22.0	40.8	25.0	44.2	26.7
14	39.0	21.1	34.5	17.5	39.8	23.1	37.8	23.4	41.7	25.0
15	39.5	20.6	35.0	18.0	39.3	21.0	38.2	21.8	40.2	21.4
16	40.0	19.0	36.0	17.5	40.6	21.1	39.4	20.6	40.4	22.0
17	39.5	20.0	38.0	17.0	41.4	21.4	40.0	19.0	42.1	22.0
18	39.4	17.2	37.6	20.0	40.3	19.1	40.4	20.0	41.2	21.6
19	40.6	18.9	36.6	20.0	41.3	20.4	43.0	19.5	42.1	22.0
20	40.6	20.0	36.0	18.7	42.6	21.1	42.0	18.6	43.6	21.0
21	40.7	18.0	37.0	16.0	41.5	19.7	40.0	18.4	43.4	21.8
22	40.6	18.0	38.3	15.7	42.0	22.2	40.6	19.5	43.5	22.0
23	41.5	18.5	36.9	17.4	43.6	22.6	40.0	21.0	43.4	24.0
24	38.9	18.0	34.0	17.2	40.6	21.8	39.0	20.4	42.2	23.0
25	36.7	19.4	35.3	17.7	36.2	22.4	35.0	21.2	37.5	21.4
26	35.9	20.6	34.0	17.5	37.5	20.2	37.0	20.5	39.2	22.0
27	37.2	19.0	29.9	18.4	39.5	21.4	38.0	19.6	41.0	22.0
28	35.3	19.0	31.5	18.2	36.0	21.2	34.4	18.6	35.7	22.0
29	35.0	20.0	32.0	17.4	37.8	20.2	37.0	18.0	38.0	19.6
30	36.1	19.0	32.5	17.2	37.4	23.4	38.0	19.0	38.5	21.2
MEANS	40.6	20.8	36.4	19.3	41.2	22.6	40.3	22.5	42.2	23.1
NORMAL	39.3	21.0	35.8	17.3	41.2	22.7	40.1	19.5	41.6	21.4

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	48.4	5&6th.	1938	10.6	30th.	1938
RUTBAH	45.0	3rd.	1925	8.9	21st.	1936
HAI	48.4	4,6,8&13th. &14&16th.	1944 1945	15.2	29th.	1956
DIWANIYA	46.6	1st.	1945	11.6	22nd. &25&26th.	1940 1943
NASIRIYA	48.9	6th.	1940	13.9	23rd.	1940

SEPTEMBER 1957

TABLE 4

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	26.5	24.3	31.9	38.2	40.6	37.4	31.0	28.1	32.2
MOSUL	19.8	17.7	27.7	37.0	38.4	34.9	27.2	22.3	28.1
KIRKUK	25.6	24.1	32.1	37.0	38.2	35.0	29.2	26.7	31.0
KHANAQIN	....	22.7	32.6	38.5	39.8	36.1	30.6	....	33.4
RUTBAH	21.9	19.8	26.0	33.1	35.8	33.9	28.2	24.8	27.9
HAI	25.3	23.7	32.7	39.3	40.0	34.2	30.2	27.6	31.2
DIWANIYA	25.1	22.4	31.2	38.4	39.6	34.4	29.5	26.7	30.9
NASIRIYA	25.4	23.6	32.7	40.4	41.4	35.7	31.4	27.7	32.3
BASRAH	25.9	24.2	31.4	37.1	38.2	33.4	29.7	27.5	30.9
HABBANIYA	25.8	23.6	29.7	37.8	39.9	35.9	30.2	27.8	37.6

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	16.6	15.7	19.7	21.6	21.3	20.5	18.6	17.4	18.9
MOSUL	13.9	13.0	17.5	20.3	20.5	19.8	17.1	15.4	17.2
KIRKUK	13.8	13.3	17.2	18.5	18.3	17.0	15.1	14.4	16.0
KHANAQIN	....	13.2	18.3	20.5	20.7	19.4	17.3	....	18.2
RUTBAH	12.5	11.4	16.2	17.7	18.0	17.2	15.3	17.3	15.7
HAI	15.5	14.7	19.9	21.2	20.8	19.3	17.4	16.3	18.1
DIWANIYA	18.9	16.4	21.1	26.7	26.6	22.0	19.3	18.1	21.1
NASIRIYA	16.7	15.7	19.2	20.7	20.6	20.5	19.0	18.0	18.8
BASRAH	20.7	19.4	23.6	24.9	25.1	25.3	24.3	22.5	23.2
HABBANIYA	17.7	16.8	19.9	21.6	21.7	21.6	19.6	18.3	19.7

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS AT M.S.L.) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	07.1	07.7	08.7	08.4	06.9	06.5	07.6	07.6	1007.6
MOSUL	09.5	10=1	10.2	08.7	07.1	06.8	08.6	09.4	1008.8
KIRKUK	08.4	08.9	08.7	07.5	06.1	06.4	08.3	08.6	1007.8
KHANAQIN	....	07.8	07.1	06.6	05.4	06.0	07.0	....	1006.7
RUTBAH	08.4	09.3	10.1	09.2	07.8	07.8	08.6	08.6	1008.7
HAI	06.0	06.6	07.9	07.4	06.0	05.8	06.9	06.7	1006.7
DIWANIYA	06.8	07.7	09.0	08.2	06.8	06.4	07.6	07.5	1007.5
NASIRIYA	06.4	07.1	07.8	07.4	06.3	06.3	07.1	07.1	1006.9
BASRAH	06.2	06.7	07.7	07.4	06.4	06.3	06.9	06.8	1006.8
HABBANIYA	07.4	08.2	09.2	08.7	07.2	06.8	07.9	07.6	1007.9

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	37	40	32	21	17	20	30	34	29
MOSUL	56	60	37	21	19	25	37	51	38
KIRKUK	25	27	21	15	12	14	20	23	20
KHANAQIN	..	28	20	14	13	16	21	..	19
RUTBAH	32	38	36	22	16	17	24	29	27
HAI	33	37	33	19	17	24	27	30	27
DIWANIYA	45	53	41	28	26	34	39	43	39
NASIRIYA	37	40	24	12	10	21	31	35	26
BASRAH	61	62	51	35	31	50	63	63	52
HABBANIYA	43	47	37	21	16	22	34	37	32

TABLE 8 SEPTEMBER 1957

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	3000	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	12.5	12.2	14.8	14.1	12.7	13.0	13.2	12.9	13.2
MOSUL	12.3	12.0	13.4	12.7	12.2	12.9	12.7	13.1	12.7
KIRKUK	8.0	8.1	9.7	9.0	7.9	7.5	7.9	8.1	8.3
KHANAQIN	....	7.7	9.7	9.7	9.3	9.2	9.3	....	9.2
RUTBAH	8.4	8.8	11.9	10.3	9.2	8.6	9.0	9.0	9.4
HAI	10.9	10.7	15.0	13.2	12.0	12.8	11.4	11.1	12.1
DIWANIYA	14.0	14.2	18.4	18.7	17.4	18.4	15.7	14.9	16.5
NASIRIYA	12.1	11.7	11.5	9.0	7.9	11.7	13.2	12.9	11.3
BASRAH	20.5	18.9	23,1	21.7	21.4	26.3	26.0	23.3	22.7
HABBANIYA	14.0	13.7	15.4	13.3	11.9	13.7	14.2	13.6	13.7

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	10.6	9.8	12.7	11.9	10.2	10.6	10.9	10.5	10.9
MOSUL	9.9	9.4	10.9	10.0	9.4	10.2	9.8	10.6	10.0
KIRKUK	3.3	3.6	6.2	5.0	2.9	2.5	3.3	3.5	3.8
RUTBAH	4.1	4.4	9.2	7.1	5.3	4.4	4.9	5.1	5.6
HAI	8.0	7.7	12.7	10.8	9.3	10.4	8.7	8.2	9.5
DIWANIYA	11.8	12.1	16.1	16.1	15.3	15.9	13.6	12.8	14.2
NASIRIYA	10.2	9.1	8.7	4.8	2.8	9.3	10.8	10.4	8.3
BASRAH	17.5	16.2	19.4	18.5	18.2	21.3	21.6	19.6	19.0
HABBANIYA	11.6	11.1	13.3	10.8	9.1	11.4	11.8	11.3	11.3

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.1
MOSUL	0.2	0.3	0.5	0.5	1.2	0.6	0.1	0.2	0.5
KIRKUK	0.3	0.4	0.4	0.7	0.7	0.5	0.0	0.2	0.4
KHANAQIN	...	0.0	0.1	0.5	0.7	0.3	0.0	...	0.3
RUTBAH	0.2	0.3	0.1	0.1	0.8	1.0	0.5	0.3	0.4
HAI	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DIWANIYA	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
NASIRIYA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BASRAH	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
HABBANIYA	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0

TABLE 11

MONTHLY MEAN TOTAL CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.4	0.5	0.4	0.4	0.5	0.8	0.8	0.2	0.5
MOSUL	0.3	0.5	0.8	0.7	1.5	1.0	0.3	0.3	0.7
KIRKUK	0.3	0.6	0.6	0.7	0.9	0.6	0.2	0.3	0.5
KHANAQIN	0.2	0.2	0.3	1.0	1.4	0.6	0.1	...	0.6
RUTBAH	0.4	1.0	0.4	0.5	1.0	1.0	0.7	0.5	0.7
HAI	0.0	0.1	0.0	0.2	0.4	0.5	0.2	0.1	0.2
DIWANIYA	0.1	0.2	0.2	0.1	0.4	0.5	0.1	0.0	0.2
NASIRIYA	0.1	0.4	0.3	0.4	0.6	0.5	0.2	0.3	0.4
BASRAH	0.2	0.3	0.3	0.3	0.6	0.5	0.2	0.1	0.4
HABBANIYA	0.3	0.8	0.6	0.6	0.9	0.8	0.7	0.5	0.7

TABLE 12 SEPTEMBER 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

BAGHDAD

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	8	2	2	2	0	0	4	9	3	27	0	0	0	5
0300	9	0	1	1	1	1	2	10	5	25	0	0	0	3
0600	11	1	0	2	2	1	6	6	1	28	1	0	0	5
0900	7	1	2	0	3	4	5	8	0	25	5	0	0	7
1200	7	0	1	1	4	2	9	6	0	24	6	0	0	8
1500	5	1	1	1	0	2	7	7	6	24	0	0	0	4
1800	2	1	3	1	0	0	7	10	6	24	0	0	0	3
2100	2	0	3	0	1	1	5	9	9	21	0	0	0	4
TOTAL	51	6	13	8	11	11	45	65	30	198	12	0	0	5

MOSUL

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	9	2	3	0	0	0	0	5	11	17	2	0	0	3
0300	14	6	2	0	0	0	2	2	4	25	1	0	0	4
0600	12	7	2	0	0	0	0	8	1	29	0	0	0	6
0900	5	6	5	5	1	0	5	1	2	21	7	0	0	8
1200	5	3	6	3	3	1	3	8	0	20	9	1	0	9
1500	5	1	4	3	0	1	6	7	3	18	9	0	0	7
1800	8	3	3	0	0	1	8	5	2	21	7	0	0	7
2100	16	5	0	1	0	0	3	1	4	24	2	0	0	4
TOTAL	74	33	25	12	4	3	25	37	17	175	37	1	0	6

KIRKUK

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	9	17	3	0	0	0	0	0	1	29	0	0	0	4
0300	5	15	4	1	0	0	0	1	4	26	0	0	0	3
0600	3	8	0	4	2	1	1	5	6	24	0	0	0	4
0900	3	3	1	0	5	1	10	6	1	28	1	0	0	6
1200	2	2	0	0	2	5	10	9	0	25	5	0	0	7
1500	0	0	0	1	4	3	14	7	1	25	4	0	0	6
1800	11	8	1	0	0	0	3	0	7	23	0	0	0	3
2100	8	17	3	0	0	0	0	0	2	28	0	0	0	4
TOTAL	41	70	12	6	13	10	38	28	22	208	10	0	0	5

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	7	1	0	0	0	5	2	3	12	17	1	0	0	4
0300	3	1	0	0	0	3	4	1	18	12	0	0	0	2
0600	17	2	0	0	0	0	1	4	6	23	1	0	0	4
0900	5	1	8	2	0	0	5	3	6	21	3	0	0	4
1200	5	3	2	3	0	4	3	4	3	25	1	1	0	6
1500	7	1	5	1	0	1	4	5	6	23	1	0	0	4
1800	4	4	1	0	0	0	3	5	13	17	0	0	0	3
2100	5	2	0	0	0	0	4	3	16	12	2	0	0	3
TOTAL	53	15	16	6	0	13	29	28	80	150	9	1	0	4

TABLE 12-CONT. SEPTEMBER 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

H A I

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	0	0	0	1	0	20	2	5	12	13	0	0	9
0300	2	0	0	0	0	1	17	3	7	14	9	0	0	7
0600	1	0	1	0	1	0	19	2	6	16	8	0	0	8
0900	0	0	1	0	0	1	17	6	5	11	14	0	0	9
1200	1	0	0	0	0	0	20	7	2	15	13	0	0	10
1500	2	0	0	0	0	0	18	2	8	14	8	0	0	6
1800	0	0	2	0	0	0	21	2	5	19	6	0	0	8
2100	0	0	0	1	1	1	21	3	3	18	9	0	0	9
TOTAL	8	0	2	1	3	3	153	27	41	119	80	0	0	8

D I W A N I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	11	1	1	0	0	0	[illegible]	4	9	20	1	0	0	5
0300	9	0	0	[illegible]	0	1	[illegible]	2	9	20	1	0	0	4
0600	10	0	0	0	0	2	12	1	5	23	2	0	0	4
0900	10	0	0	0	1	2	9	2	6	19	5	0	0	6
1200	11	0	0	0	0	1	8	2	8	15	7	0	0	6
1500	13	0	0	1	0	0	5	3	8	22	0	0	0	3
1800	13	1	2	0	0	0	7	1	6	24	0	0	0	3
2100	8	1	1	0	0	0	10	3	7	23	0	0	0	3
TOTAL	85	3	4	2	1	6	63	18	58	166	16	0	0	4

N A S I R I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	6	0	0	0	3	4	4	13	0	27	3	0	0	6
0300	2	1	0	0	1	1	7	13	5	25	0	0	0	5
0600	3	1	0	0	0	2	9	15	0	27	3	0	0	7
0900	12	0	1	1	0	1	0	15	0	20	10	0	0	9
1200	13	0	1	0	0	1	2	13	0	20	10	0	0	9
1500	10	1	0	2	0	0	4	7	6	20	4	0	0	6
1800	6	1	3	2	1	1	3	12	1	27	2	0	0	5
2100	6	1	2	1	2	1	7	10	0	28	2	0	0	6
TOTAL	58	5	7	6	7	11	35	98	12	194	34	0	0	7

B A S R A H

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	0	0	0	0	2	8	9	9	2	28	0	0	0	4
0300	3	0	0	0	3	2	14	5	3	27	0	0	0	4
0600	6	0	1	1	1	1	14	5	1	28	1	0	0	5
0900	6	0	0	0	1	2	13	4	4	21	5	0	0	6
1200	2	0	2	0	0	0	10	15	1	24	5	0	0	8
1500	3	1	0	0	0	0	11	14	1	28	1	0	0	5
1800	3	1	0	0	1	0	10	9	6	24	0	0	0	4
2100	1	0	0	0	5	0	9	7	8	22	0	0	0	3
TOTAL	24	2	3	1	13	13	90	68	26	202	12	0	0	5

TABLE 12-CONT. SEPTEMBER 1957

SURFACE WIND - NUMBER OF OBSERVATIONS IF :-

KHANAQIN

TIME GMT.	DIRECTION N	NE	E	SE	S	SW	W	NW	SPEED IN KNOTS CALM	1-10	11-21	22-33	≥34	MEAN V.K.
300	0	1	13	0	0	0	0	0	16	14	0	0	0	1
600	1	1	8	0	0	0	0	1	19	11	0	0	0	2
900	8	1	1	0	3	0	6	5	6	24	0	0	0	4
1200	6	0	3	0	2	0	12	5	2	28	0	0	0	5
1500	5	0	2	0	2	0	12	2	7	23	0	0	0	3
1800	2	0	0	0	7	0	1	2	18	12	0	0	0	2
TOTAL	22	3	27	0	14	0	31	15	68	112	0	0	0	3

HABBANIYA

TIME GMT.	DIRECTION N	NE	E	SE	S	SW	W	NW	SPEED IN KNOTS CALM	1-10	11-21	22-33	≥34	MEAN V.K.
300	2	0	2	0	2	0	8	8	8	22	0	0	0	3
600	5	0	2	0	1	2	10	6	4	26	0	0	0	3
900	2	1	0	0	0	1	8	14	4	23	3	0	0	5
1200	3	3	1	0	3	1	8	10	1	24	5	0	0	7
1500	3	2	0	1	5	2	8	9	0	25	5	0	0	7
1800	2	2	2	0	2	2	9	9	2	25	3	0	0	5
2100	1	1	4	2	1	0	11	2	8	21	1	0	0	4
	0	0	4	2	0	0	8	5	11	10	1	0	0	3
TOTAL	18	9	15	5	14	8	70	63	38	194	18	0	0	5

TABLE 13

NUMBER OF CASES OF :-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	0	0	0	0	0	1	28	0
MOSUL	1	0	1	1	0	1	25	0
KIRKUK	0	0	0	0	0	1	27	0
KHANAQIN	0	0	0	0	0	3	28	0
RUTBAH	2	0	0	2	0	3	26	0
HIT	0	0	0	0	0	0	28	0
HINDIYA	0	0	0	0	0	0	30	0
NASIRIYA	0	0	0	0	0	0	27	0
BASRAH	0	0	0	0	0	0	29	0
HABBANIYA	0	0	0	0	0	1	28	0

DAILY PRECIPITATION UNIT (MILLIMETERS, tr. < 0.05 mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	RUTBA	HAI	DIWA-NIYA	NASI-RIYA	BASRA	KHANA-QIN	HABBA-NIYA
1										
2				tr.						
3										
4										
5										
6										
7										
8										
9										
10										
11										
12				15.0						tr.
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27					tr.					
28										
29		7.1								
30				1.6						
TOTAL	0.0	7.1	0.0	16.6	tr.	0.0	0.0	0.0	0.0	tr.

TABLE 15

BAGHDAD AIRPORT

Month September

Year 1957

Frequency of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																									
>500 -1000M																			1/1						1
>1000 -1500M				1/1	1/[illegible]	[illegible]	1/1																		4
>1500 -3000M				1		3	1		1/1							1/1	3	1/2		1/1	1/2				15
>3 -5KM				1	1			1/1		1/1	1/1	1/1	2/2	1/1		2	5	2	1	1		1/1			21
>5 -10KM		1	2	12	11	1/11	1/3	1	1		1/1	1/1	.		1/1	1/15	17	8	2	1		2		1	91
>10 -15KM	7	5	7	10	13	12	9	10	7	5	6	5	2	3	9	11	5	13	14	13	11	8	11	8	204
>15KM	23	24	21	5	4	3	16	18	21	24	22	23	26	26	20	1		5	12	14	17	19	19	21	384
TOTAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720

NOTE

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency of Different Heights of Cloud-Base (Amount 5-8 Oktas)

T I M E - G,M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
>900M	1	1		1				1	1	1	1	1			1	2	1					1	1	1	15

TABLE 15-CONT.

BASRAH AIRPORT

Month September

Year 1957.

Frequency of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																									
>500 -1000M																									
>1000 -1500M												1/1													1
>1500 -3000M										1/1	1/1				1/1	2/2									5
>3 -5KM									1/1		1/1		1/1				2/2								5
>5 -10KM				1			1/1	1/1		1/1				1/1	1/1			1/1	1/1	1/1	1/1	1/1			11
>10 -15KM	1	1	1	7	6	3	2	2	2	2	2	2	2	3	2	5	3	3	4	4	[illegible]	3	[illegible]	[illegible]	[illegible]
>15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	27	[illegible]	[illegible]	27	27	26	26	25	25	26	25	25	[illegible]	[illegible]	[illegible]	28	[illegible]
TOTAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720

NOTE

In fields containing two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency of Different Heights of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
>900											1	1	2	1	1	1	1	1	1						10

TABLE 16

Month September

Year 1957.

BAGHDAD AIRPORT

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≤5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
< 5/8 OR *										1	1		1	1		1			12	3	7	10	9	23	5	16	30	30	30
>900														1	1	2	2			15	5	2	11	24	26	1	30	30	30
AND >=5/8							1		1		2			3	1	1	8	2	2	34	14	8	66	12	19	126	30	30	240
										1	1		1	1		1			12	3	7	10	9	23	5	16	30	30	30
TOTAL														1	1	2	2			15	5	2	11	24	26	1	30	30	30
							1		1		2			3	1	1	8	2	2	34	14	8	66	12	19	126	30	30	240

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 16-CONT.

Month September

Year 1957.

BASRAH AIRPORT

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base ( ) = 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			3-5KM			> 5-10KM			>10-15KM			> 15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR *																			1	1	1	7	2	29	22	27	30	30	30
>900													1		2		1		1			2	2	5	26	27	23	30	30	30
AND >= 5/8															3			1	1	1	5	4	3	26	25	26	205	30	30	240
TOTAL																			1	1	1	7	2	29	22	27	30	30	30
													1		2		1		1			2	2	5	26	27	23	30	30	30
															3			1	1	1	5	4	3	26	25	26	205	30	30	240

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

1957

OCT 1957

الحكومة العراقية

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

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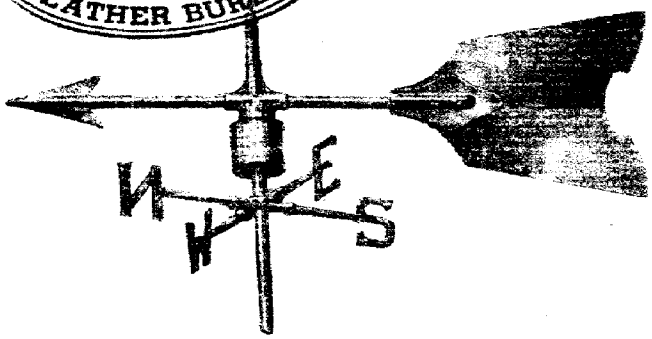

GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT

Oct. 1957

MONTHLY WEATHER REPORT FOR IRAQ

BAGHDAD.

Oct. 57

C O N T E N T S

TABLE		PAGE
-	MAP SHOWING ALL METEOROLOGICAL STATIONS	SEE JANUARY
1	MEAN DAILY TEMPERATURE.	1
2	MEAN MONTHLY GRASS MIN. TEMPERATURE, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES.	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE.	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE WIND.	6-8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS.	10-11
16	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE.	12-13
17	COMBINED STATISTICS OF VISIBILITY ABD CLOUD-BASE.	14-15

PREPARED AND PUBLISHED

BY

IRAQ METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBAH	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Hiehgt of Station above M.S.L. in (Meters)
2. Hb. means Height of Barometer cistern above M.S.L. in (Meters)
3. Ha. means Height of Anemometer above the ground. in (Meters)

STATION	LATITUDE N.	LONGITUDE E.	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
AQRA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	100 m.
ARBIL	36 11 N.	44 00 E.	[illegible] m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHUARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	–
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	–
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KOUFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
TUZKR	34 53 N.	44 39 E.	220 m.
QADIR KARAM	35 11 N.	44 53 E.	400mm.
MAKHMUR	35 46 N.	43 34 E.	430 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
KAJ SANJAC	36 05 N.	44 38 E.	600 m.
TAG TAG	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
ANA	34 28 N.	41 27 E.	–
DIALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	14 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
KANDILY	33 45 N.	45 33 E.	137 m.
KHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	–
SAMAWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAGIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

TABLE 1 OCTOBER 1957.

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWANIYA	NASIRIYA	BASRAH
1	29.6	25.0	28.5	21.6	29.5	29.9	30.0	30.3
2	28.7	25.5	26.0	23.7	28.0	27.8	27.7	29.3
3	27.0	24.2	26.5	23.7	26.1	27.0	27.6	27.8
4	27.1	24.1	27.8	25.4	27.0	27.3	27.1	27.3
5	28.0	23.8	27.0	27.1	27.5	27.2	27.9	27.4
6	28.7	24.1	27.5	27.1	29.0	29.2	29.4	29.6
7	28.6	24.8	27.9	26.3	28.0	28.0	28.3	29.6
8	28.6	25.0	27.8	27.1	26.4	28.2	26.1	28.2
9	28.1	23.5	28.8	25.8	26.6	28.4	27.9	30.0
10	26.6	22.7	26.3	24.7	27.4	28.5	29.7	30.4
11	24.5	21.1	23.5	20.6	26.7	27.0	27.1	29.0
12	19.3	20.1	21.1	15.0	20.3	20.9	23.2	23.8
13	20.4	18.1	20.7	17.1	20.4	20.6	21.0	23.8
14	20.9	17.2	20.6	18.1	21.5	22.6	22.9	23.6
15	24.9	19.8	22.0	19.8	25.3	25.9	25.9	29.4
16	25.4	22.0	23.7	20.2	27.3	29.1	29.0	29.8
17	25.2	19.9	23.8	20.8	28.0	27.6	27.8	28.7
18	25.7	21.6	25.6	21.6	28.3	27.9	29.0	29.4
19	26.8	21.7	25.4	21.9	28.2	28.4	28.5	28.3
20	26.3	21.6	25.6	23.7	27.0	27.2	27.9	27.3
21	26.8	23.2	26.5	21.9	27.3	26.5	27.5	26.2
22	24.8	20.8	21.6	17.1	24.1	25.4	25.0	28.1
23	22.1	18.8	21.0	18.0	24.1	23.9	25.1	25.7
24	23.6	18.8	20.8	19.2	23.8	25.0	25.1	26.0
25	23.3	19.5	21.7	20.9	23.6	24.9	24.8	25.4
26	23.6	19.0	22.1	21.6	23.0	24.3	24.1	23.3
27	24.6	17.9	22.0	20.7	23.9	23.5	24.6	23.6
28	26.0	18.8	23.3	20.2	25.0	25.5	25.8	26.0
29	26.0	19.5	24.2	22.1	25.9	24.9	26.5	26.5
30	25.4	19.9	23.7	23.3	24.9	24.9	26.0	25.7
31	25.8	19.4	24.5	21.0	25.2	24.3	25.4	24.8
MEANS	25.6	21.3	24.4	21.9	25.8	26.2	26.6	27.2

TABLE 2

MONTHLY MEAN TEMPERATURES

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	28.0	28.7	259.6
MOSUL	5.5	26.2	28.0	.....
KIRKUK	14.4	24.6	27.0	.....
HAI	16.1	....	....	.....
BASRAH	15.4	....	....	288.5
HABBANIYA	14.8	28.6	29.6	271.5

TABLE 3 OCTOBER 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	38.0	20.6	34.7	14.8	35.0	23.6	41.5	20.5	35.5	21.1
2	37.0	21.5	34.5	20.0	33.6	20.8	37.[illegible]	22.4	35.0	20.0
3	37.0	18.7	35.6	14.2	34.2	19.6	35.3	21.9	35.5	18.9
4	37.4	17.0	37.3	14.0	35.6	21.2	34.7	21.0	36.6	18.9
5	38.0	16.8	36.1	11.8	34.8	19.4	35.8	18.3	37.2	17.8
6	39.3	19.0	38.0	13.1	36.6	19.0	36.0	18.4	38.3	19.4
7	40.0	17.0	37.4	11.1	36.7	19.2	35.0	18.7	38.9	18.9
8	40.2	19.7	36.4	14.1	36.5	20.4	38.4	19.0	37.8	19.4
9	38.4	18.0	35.8	12.9	36.2	22.3	38.9	22.6	38.3	18.3
10	33.4	19.8	33.8	14.1	32.8	21.8	39.5	24.1	35.5	20.0
11	32.6	19.8	32.9	10.0	31.0	16.1	38.8	25.3	31.1	17.8
12	29.0	10.5	25.7	17.8	36.0	17.8	30.5	18.7	27.8	12.8
13	29.6	10.5	26.2	12.2	27.2	17.2	31.2	17.6	27.8	12.2
14	31.0	9.2	29.0	7.4	28.8	13.9	31.2	16.1	28.9	11.6
15	34.4	14.8	29.2	11.2	26.2	15.6	35.0	16.1	33.3	15.0
16	30.2	22.4	31.1	13.3	30.0	18.8	39.8	20.6	28.9	18.9
17	32.5	19.5	26.8	11.1	29.8	19.7	34.4	23.7	31.1	16.6
18	34.0	18.6	32.4	14.1	32.1	20.3	38.4	24.5	33.0	18.9
19	35.1	19.1	32.1	13.1	33.0	21.8	38.3	20.6	35.0	18.9
20	34.8	17.7	34.1	11.0	33.2	19.7	35.4	20.0	35.0	18.3
21	35.5	16.5	35.1	12.0	35.4	20.6	35.1	19.7	36.6	17.2
22	32.9	19.0	25.7	18.6	28.8	17.7	37.4	20.3	31.6	20.5
23	27.5	18.8	28.1	10.9	27.4	17.2	33.5	22.2	30.5	16.1
24	30.8	17.0	28.2	10.2	27.8	14.4	32.8	20.2	31.1	15.0
25	31.6	15.6	29.3	10.9	29.3	14.3	32.6	19.4	30.5	16.1
26	31.2	16.4	29.8	11.3	29.3	15.4	31.2	15.4	31.6	17.2
27	32.1	17.4	30.0	8.4	29.2	14.8	31.7	15.6	31.1	17.8
28	33.6	19.6	31.6	9.3	30.2	16.8	35.6	17.6	33.9	19.4
29	35.3	18.2	30.8	10.0	31.3	18.7	35.0	18.5	34.4	15.0
30	33.4	16.7	31.3	10.6	30.3	17.3	34.2	19.5	32.8	16.1
31	32.4	16.8	32.0	12.0	32.0	18.2	33.9	17.5	30.5	17.8
MEANS	34.1	17.5	32.0	12.4	32.0	18.5	35.4	19.9	34.4	17.5
NORMAL	33.4	16.2	31.6	10.7	31.4	17.0	34.7	17.7	33.5	16.2

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	41.6	5th. & 2nd.	1944 1947	3.9	29th.	1946
MOSUL	41.3	3&4th.	1952	0.0	25th. & 25th.	1945 1947
KIRKUK	41.4	2nd.	1953	1.1	29th.	1946
BASRAH	45.6	1st.	1951	6.1	6th.	1941
HABBANIYA	42.2	2nd.	1953	5.6	29th.	1946

TABLE 3-CONT. OCTOBER 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBAH		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	36.8	18.0	26.2	18.1	39.4	20.2	40.0	19.4	40.0	21.2
2	35.0	20.0	30.0	15.5	36.7	20.3	35.4	19.5	37.8	20.6
3	34.4	18.3	32.4	14.7	35.0	19.3	35.4	17.8	36.9	20.2
4	35.6	16.0	35.8	14.5	36.0	17.6	35.8	17.4	36.9	19.0
5	36.5	16.7	36.0	18.9	36.7	19.2	36.0	16.8	39.0	19.6
6	37.3	16.1	36.5	18.5	38.1	21.6	37.8	19.8	39.4	21.0
7	37.5	16.0	36.7	17.7	38.0	19.3	37.8	18.0	39.2	19.0
8	37.5	17.0	37.0	17.5	39.0	15.8	36.8	18.8	38.2	16.0
9	36.1	16.0	35.0	16.2	37.4	17.4	38.6	18.0	39.0	17.6
10	34.4	23.0	30.5	19.0	32.5	20.8	34.2	20.2	40.7	20.2
11	32.8	20.8	26.7	15.2	33.8	23.8	33.2	22.8	34.9	24.0
12	30.6	9.3	24.2	10.2	30.1	12.8	30.2	12.8	32.1	13.3
13	28.3	9.3	25.8	7.2	29.4	9.2	30.4	9.6	31.5	13.0
14	29.2	12.8	25.2	10.0	30.3	12.0	31.0	11.6	31.8	16.0
15	33.3	15.6	27.1	15.1	35.5	16.2	36.4	16.5	34.0	18.0
16	26.7	18.0	27.3	12.0	35.2	20.2	36.0	23.6	38.7	21.0
17	33.3	18.0	27.7	12.6	35.3	20.6	35.0	20.0	34.0	23.0
18	33.3	17.5	28.4	13.7	36.4	22.5	35.8	19.2	35.0	23.0
19	33.9	17.5	30.3	15.2	37.3	20.6	36.0	20.8	37.4	21.6
20	33.3	16.0	31.5	17.0	36.0	20.3	35.2	19.6	37.2	21.0
21	36.3	22.8	27.0	17.0	37.5	18.1	37.0	17.2	38.4	19.0
22	29.2	16.0	27.0	15.1	30.2	18.7	32.5	19.2	32.6	19.6
23	31.0	16.7	26.0	11.6	31.8	18.8	30.2	20.0	33.9	19.2
24	29.4	15.6	27.0	12.5	31.2	16.6	32.2	17.1	33.0	19.0
25	30.6	14.6	29.0	13.0	31.8	18.0	31.4	18.0	32.0	19.6
26	30.6	13.3	29.5	12.5	31.0	14.9	31.4	18.2	32.6	18.0
27	31.0	13.9	26.5	15.0	31.5	17.0	30.0	16.0	33.0	16.7
28	32.5	18.5	28.6	11.5	34.4	17.6	34.2	16.0	34.3	18.0
29	33.3	14.5	30.5	14.0	36.3	17.3	33.4	18.0	37.6	19.0
30	33.3	13.0	30.0	19.0	33.4	15.6	34.8	15.0	35.4	18.0
31	32.8	13.0	28.0	16.5	33.8	16.6	32.0	17.4	35.2	19.0
MEANS	33.1	16.3	29.7	14.7	34.5	18.0	34.4	17.9	35.9	19.2
NORMAL	33.1	16.2	29.9	12.5	35.3	17.3	34.7	14.9	35.9	16.4

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	41.7	17th. & 5th.	1946 1948	3.9	14&15th.	1948
RUTBAH	38.4	6th.	1953	0.6	15th.	1948
HAI	43.9	3rd.	1947	6.7	29th. & 15th.	1945 1948
DIWANIYA	43.9	2nd.	1947	2.8	18th.	1948
NASIRIYA	43.9	1st.	1951	7.8	30th. &15,19,24, 30th.	1946 1948

OCTOBER 1957

TABLE 4

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	20.8	18.7	25.1	32.6	33.0	29.0	23.5	22.0	25.6
MOSUL	15.1	13.6	20.6	28.6	30.4	25.7	19.8	16.8	21.3
KIRKUK	20.2	19.5	25.6	29.5	30.3	26.4	22.9	21.0	24.4
KHANAQIN	....	18.2	26.3	32.2	32.4	28.4	23.9	....	26.9
RUTBAH	16.9	15.3	20.8	27.1	28.8	26.3	21.9	18.8	21.9
HAI	20.4	18.9	26.4	32.5	33.6	28.0	24.7	21.9	25.8
NASIRIYA	20.9	19.6	26.8	33.5	34.8	27.6	25.2	23.1	26.4
BASRAH	22.2	20.6	27.4	33.1	34.3	28.6	25.7	23.7	27.0
DIWANIYA	20.3	18.5	25.9	32.4	33.8	27.5	24.1	....	26.1
HABBANIYA	20.0	18.1	23.5	31.1	32.6	28.1	23.9	21.8	24.9

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.8	13.0	16.1	18.4	18.7	17.4	15.6	14.5	15.9
MOSUL	11.3	10.5	13.8	17.3	17.4	15.6	13.5	12.2	14.0
KIRKUK	12.3	12.5	15.0	16.3	16.3	14.6	13.3	12.6	14.1
KHANAQIN	....	12.2	16.1	18.4	18.5	17.2	15.3	....	16.3
RUTBAH	10.6	9.8	12.6	15.2	15.5	14.5	12.8	11.6	12.8
HAI	13.7	13.2	17.6	19.0	18.6	16.8	15.4	14.1	16.1
NASIRIYA	14.1	13.6	17.1	19.0	19.4	18.1	16.8	15.9	16.8
BASR AH	19.0	17.7	21.1	22.6	23.1	22.2	21.7	20.2	21.0
HABBANIYA	14.7	10.7	16.8	19.1	19.8	18.8	16.7	15.5	16.5
DIWANIYA	14.7	13.9	18.3	20.4	20.7	18.5	16.5	....	17.4

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS AT M.S.L.) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	12.6	13.0	14.3	13.6	11.9	11.9	12.7	12.7	1012.8
MOSUL	15.1	15.7	16.3	14.8	13.0	13.2	14.6	15.1	1014.7
KIRKUK	13.8	14.2	13.6	13.4	12.0	12.5	13.8	14.0	1013.4
KHANAQIN	....	12.8	13.3	12.5	11.0	11.4	12.4	....	1010.6
RUTBAH	13.3	13.8	14.3	13.7	12.5	12.5	13.5	13.4	1013.4
HAI	11.8	12.2	13.4	12.7	11.2	11.4	12.3	12.2	1012.1
NASIRIYA	12.0	12.7	13.7	12.7	11.2	11.6	12.5	12.3	1012.3
BASRAH	12.0	12.4	13.7	12.9	11.7	11.7	12.3	12.3	1012.4
DIWANIYA	12.3	12.9	14.3	13.4	11.9	12.0	12.8	....	1012.8
HABBANIYA	13.0	13.5	14.6	13.9	12.2	12.2	13.2	13.1	1013.2

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	46	52	38	30	24	31	37	45	38
MOSUL	64	70	47	33	27	35	50	59	48
KIRKUK	38	46	31	25	23	27	33	37	33
KHANAQIN	..	45	32	22	22	28	37	..	31
RUTBAH	46	50	39	27	24	27	35	41	36
HAI	47	51	41	26	22	31	36	42	37
NASIRIYA	44	48	35	22	20	30	40	44	35
BASRAH	72	73	55	38	36	56	69	71	59
DIWANIYA	56	61	48	33	30	40	47	..	45
HABBANIYA	54	60	49	30	27	38	46	50	44

TABLE 8 OCTOBER 1957

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.3	11.4	12.4	13.0	12.0	12.3	11.8	11.6	12.0
MOSUL	11.0	10.9	11.5	12.3	11.5	11.4	11.5	11.3	11.4
KIRKUK	9.2	9.0	10.1	9.8	9.4	8.9	9.1	9.1	9.3
KHANAQIN	....	9.6	10.6	10.1	10.3	10.7	10.7	....	10.3
RUTBAH	8.8	8.7	9.2	9.5	9.3	8.4	8.8	9.1	9.0
HAI	11.5	11.5	14.4	13.0	11.6	11.7	11.4	11.1	12.0
DIWANIYA	13.3	13.1	16.2	16.3	15.8	14.9	14.1	....	14.8
NASIRIYA	11.0	11.2	12.4	11.1	11.0	12.4	12.9	12.7	11.8
BASRAH	19.5	18.1	20.0	19.2	19.3	21.7	22.9	21.0	20.2
HABBANIYA	12.7	12.5	14.1	13.4	13.0	14.3	13.4	13.1	13.3

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.4	8.5	9.3	10.4	9.2	9.4	9.1	8.7	9.1
MOSUL	7.9	7.7	8.5	9.7	8.6	8.4	8.5	8.4	8,5
KIRKUK	5.3	5.3	6.3	6.1	5.4	4.6	5.0	5.2	5.4
RUTBAH	4.5	4.3	5.2	5.6	5.4	4.6	4.9	5.4	5.0
HAI	8.5	8.4	11.9	10.3	8.7	9.1	8.5	8.0	9.2
DIWANIYA	10.2	10.6	13.8	14.0	13.5	12.9	11.7	....	12.5
NASIRIYA	7.8	7.9	9.6	7.6	7.5	9.9	10.3	10.3	8.8
BASRAH	16.8	15.6	17.3	16.7	16.8	18.4	19.5	18.0	17.4
HABBANIYA	10.0	9.9	11.5	10.8	10.5	11.8	10.9	10.4	10.7

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.1	0.2	0.1	0.0	0.4	0.7	0.4	0.4	0.8
MOSUL	0.9	1.3	1.2	1.4	1.7	1.4	0.8	0.8	1.2
KIRKUK	0.8	1.0	1.0	1.6	1.5	1.2	0.5	0.9	1.1
KHANAQIN	...	2.2	1.1	1.1	2.0	2.3	1.1	...	1.6
RUTBAH	1.3	1.6	1.1	1.3	1.9	1.4	1.5	1.3	1.8
HAI	0.5	0.2	0.2	0.8	0.5	0.6	0.5	0.4	0.5
DIWANIYA	0.8	0.1	0.5	1.0	0.8	0.6	0.2	...	0.6
NASIRIYA	0.7	0.5	0.3	0.2	0.2	0.3	0.6	0.6	0.4
BASRAH	0.1	0.2	0.2	0.3	0.2	0.1	0.0	0.0	0.1
HABBANIYA	0.2	0.4	0.3	0.2	0.6	0.5	0.5	0.2	0.4

TABLE 11

MONTHLY MEAN TOTAL CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	1.9	2.7	3.0	2.7	3.0	3.6	2.3	2.3	2.7
MOSUL	1.5	2.2	2.6	3.0	3.4	3.2	1.5	1.7	2.4
KIRKUK	1.7	2.5	2.2	2.8	3.1	2.3	1.4	1.6	2.2
KHANAQIN	...	3.2	3.0	3.1	3.0	3.7	2.3	...	3.1
RUTBAH	2.2	3.3	3.2	3.3	3.9	3.5	2.9	2.5	3.1
HAI	1.5	2.3	2.4	2.7	2.5	2.4	1.5	1.6	2.1
DIWANIYA	1.3	2.2	3.0	2.6	2.7	2.2	1.4	...	2.2
NASIRIYA	1.6	2.2	2.4	2.5	2.0	2.3	1.7	1.7	2.1
BASRAH	0.7	1.8	2.1	2.3	2.3	2.2	0.9	0.9	1.7
HABBANIYA	2.3	2.8	2.6	2.2	3.2	3.4	3.0	2.6	2.8

ABLE 12 OCTOBER 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

B A G H D A D

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	8	0	4	0	0	1	3	11	4	26	1	0	0	4
0300	4	0	5	2	0	0	5	9	6	25	0	0	0	4
0600	6	0	4	0	1	1	5	12	2	27	2	0	0	5
0900	7	4	0	2	2	1	7	8	0	26	5	0	0	7
1200	8	3	2	3	0	2	7	6	0	24	6	1	0	8
1500	5	1	2	1	0	2	9	5	6	23	2	0	0	4
1800	3	1	5	1	1	2	8	6	4	25	2	0	0	4
2100	1	2	4	1	1	1	5	11	5	25	1	0	0	4
TOTAL	42	11	26	10	5	10	44	68	27	201	19	1	0	5

M O S U L

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	14	2	1	0	0	0	3	4	7	22	0	2	0	5
0300	11	1	2	0	1	0	4	7	5	24	1	1	0	5
0600	13	3	4	1	0	0	5	5	0	26	4	1	0	7
0900	9	6	7	1	2	0	0	4	2	24	4	1	0	7
1200	11	2	6	0	1	0	8	2	1	24	5	1	0	7
1500	8	0	3	1	1	0	8	9	1	26	4	0	0	6
1800	9	3	3	2	0	0	4	8	2	26	2	1	0	6
2100	15	2	4	0	2	0	2	5	1	27	0	3	0	6
TOTAL	80	19	30	5	7	0	34	44	19	199	20	10	0	6

K I R K U K

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	6	18	3	2	0	0	0	2	0	28	3	0	0	6
0300	6	16	3	2	0	0	0	1	3	25	3	0	0	4
0600	3	9	4	7	1	1	0	1	5	24	2	0	0	5
0900	5	2	4	4	2	3	6	3	2	26	3	0	0	6
1200	2	2	5	2	2	2	9	4	3	24	4	0	0	6
1500	6	5	2	3	0	0	10	4	1	28	2	0	0	5
1800	9	12	3	1	1	0	1	1	3	24	4	0	0	5
2100	6	17	5	2	0	0	0	1	0	27	4	0	0	6
TOTAL	43	81	29	23	6	6	26	17	17	206	25	0	0	5

R U T B A H

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	2	0	2	3	2	5	3	2	12	17	2	0	0	4
0300	0	0	1	1	1	4	1	4	19	11	1	0	0	2
0600	3	1	1	2	4	3	1	2	14	15	2	0	0	4
0900	5	2	2	8	5	1	4	3	1	24	5	1	0	8
1200	5	4	2	4	5	0	8	2	1	17	13	0	0	9
1500	5	1	5	6	3	0	2	6	3	26	2	0	0	5
1800	3	4	8	2	3	0	2	3	6	24	1	0	0	4
2100	3	0	1	5	2	1	4	1	14	17	0	0	0	2
TOTAL	26	12	22	31	25	14	25	23	70	151	26	1	0	5

TABLE 12-CONT. OCTOBER 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

B A I

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	4	1	4	1	2	1	11	2	5	15	11	0	0	8
0300	2	0	5	0	1	0	14	1	8	20	3	0	0	6
0600	1	0	6	2	1	0	16	1	4	20	7	0	0	7
0900	2	0	3	4	1	0	16	2	3	15	13	0	0	9
1200	3	0	1	3	1	0	16	5	2	17	12	0	0	9
1500	0	0	2	1	0	0	13	5	10	15	6	0	0	5
1800	0	0	3	3	1	0	15	5	4	21	6	0	0	7
2100	1	1	5	3	1	0	11	7	2	17	12	0	0	9
TOTAL	13	2	29	17	8	1	112	28	38	140	70	0	0	8

D I W A N I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	9	1	2	0	2	0	7	1	9	21	1	0	0	5
0300	9	0	2	0	0	0	10	1	9	22	0	0	0	4
0600	9	0	0	0	2	2	9	1	8	20	3	0	0	5
0900	13	2	2	1	1	1	7	2	2	21	0	0	0	7
1200	14	1	2	2	2	0	6	3	1	23	7	0	0	8
1500	16	0	1	3	1	0	6	1	3	27	0	1	0	4
1800	9	2	3	1	0	0	9	1	6	23	2	0	0	5
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	79	6	12	7	8	3	54	10	38	137	21	1	0	5

N A S I R I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	0	3	1	6	5	2	10	2	28	1	0	0	6
0300	3	1	1	3	5	5	4	6	3	27	1	0	0	5
0600	4	0	3	5	1	1	6	11	0	27	4	0	0	7
0900	7	1	2	4	1	1	2	13	0	22	9	0	0	9
1200	6	1	6	2	1	0	1	14	0	20	11	0	0	9
1500	5	7	5	0	0	0	1	11	2	24	5	0	0	7
1800	4	5	6	2	1	0	3	9	1	28	2	0	0	6
2100	4	3	3	6	0	0	3	9	3	23	5	0	0	6
TOTAL	35	18	29	23	15	12	22	83	11	199	38	0	0	7

B A S R A H

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	8	2	3	2	1	2	8	1	4	25	2	0	0	4
0300	2	4	2	3	1	3	9	2	5	25	1	0	0	6
0600	1	2	1	4	3	2	10	3	5	25	1	0	0	5
0900	3	0	1	2	3	1	11	4	6	19	5	0	0	7
1200	1	3	3	1	0	0	14	5	4	19	6	0	0	6
1500	4	1	4	1	0	1	12	6	2	29	0	0	0	4
1800	4	2	3	4	0	0	9	3	6	22	3	0	0	5
2100	3	2	4	4	2	0	8	5	3	27	1	0	0	4
TOTAL	26	16	21	21	10	9	81	29	35	191	21	0	0	5

TABLE 12-CONT. OCTOBER 1957

SURFACE WIND - NUMBER OF OBSERVATIONS IN :-

KHANAQIN

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	0	0	15	2	4	0	0	2	8	21	0	2	0	4
0600	2	0	9	1	3	0	2	1	13	17	1	0	0	3
0900	6	1	3	0	7	0	10	3	1	27	2	1	0	6
1200	5	0	5	0	2	2	11	4	2	24	3	2	0	7
1500	2	0	1	0	5	0	11	4	8	21	0	2	0	5
1800	0	0	3	1	3	0	4	3	17	12	0	2	0	4
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	15	1	36	4	24	2	38	17	49	122	6	9	0	5

HABBANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	3	4	1	0	0	1	9	8	5	23	3	0	0	4
0300	7	1	1	0	0	1	7	6	8	21	2	0	0	4
0600	8	3	1	1	0	0	6	10	2	26	3	0	0	5
0900	6	2	2	2	2	0	7	9	1	25	5	0	0	7
1200	7	2	1	1	4	1	8	7	0	24	7	0	0	7
1500	2	3	4	0	5	0	6	10	1	27	3	0	0	5
1800	1	3	3	0	1	0	8	9	6	23	2	0	0	4
2100	1	4	3	1	2	0	6	9	5	24	2	0	0	4
TOTAL	35	22	16	5	14	3	57	68	28	193	27	0	0	5

TABLE 13

NUMBER OF CASES OF :-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	3	0	0	3	0	1	10	3
MOSUL	5	0	0	0	0	0	11	0
KIRKUK	2	0	0	2	0	0	13	3
KHANAQIN	5	0	0	3	0	0	9	4
UTBAH	2	0	0	3	0	1	9	1
RAI	3	0	0	3	0	0	14	1
HIWANIYA	3	0	0	2	0	1	13	1
NASIRIYA	2	0	0	2	0	1	12	0
BASRAH	0	0	0	0	0	1	17	0
HABBANIYA	3	0	0	0	0	0	..	.

TABLE 14 OCTOBER 1957

DAILY PRECIPITATION UNIT (MILLIMETERS , tr. < 0.05 mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1			tr.		1.6					
2										
3										
4										
5										
6										
7										
8										
9										
10	tr.	0.2				tr.	tr.	tr.		
11										
12										
13								tr.		
14		0.5			tr.				tr.	
15	0.2	0.3	tr.	2.0			tr.	tr.		3.0
16	0.6	0.8	0.3	1.8	0.7	1.5	1.9	0.4		1.4
17	1.9		1.1	0.4		0.6	0.4	0.3		0.3
18				2.4				tr.	tr.	
19										
20					tr.					
21	tr.	tr.			tr.					
22	tr.	1.6	tr.			tr.		0.1	tr.	
23	tr.	tr.				tr.		0.1	tr.	
24									tr.	
25										
26							0.4			0.1
27	0.1					0.5				
28				0.4						
29										
30					tr.					
31	tr.	0.1								
TOTAL	2.8	3.5	1.4	7.0	2.3	2.6	2.7	0.9	0.0	4.8

TABLE 15 OCTOBER 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT (MILLIMETERS)

DATE	TEL-AWAINAT	SINJAR	CHAM-CHAMAL	PEN-JWIN	BAK-RAJO	HALAB-JAH	SALAH-ADDIN	RAHAT	SANAT	MIRZA-RUSTAM
1								2.5		
2								1.3		
3										
4										
5										
6										
7										
8										
9										
10										
11								0.3		
12								0.4		
13										
14										
15					2.0	6.2				
16	5.8	0.7								
17			3.4		9.0				31.9	
18			2.5		24.1		2.5			1.2
19				2.0						
20								0.2		
21		0.8								
22	17.5	1.2							4.6	
23									32.5	
24			7.6					1.5		
25			8.2	1.0						
26										
27										
28								3.5	1.9	
29										
30										
31				1.0						
TOTAL	23.3	2.7	21.7	4.0	35.1	6.2	2.5	9.7	70.9	1.2

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT (MILLIMETERS)

DATE	SHAQ-LAWA	NAJIF	BADRA	AL MANSOOR	DIALA	JALAW-LAA	KUT	HIT	HILLA	SAMAWA
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16	7.0	2.0			1.2			tr.	0.6	
17									2.2	1.5
18				2.5	1.0	2.5				
19										
20										
21										
22	9.4								0.1	
23							tr.		2.1	
24										
25										
26										
27			1.3							
28						1.8				
29										
30										
31										
TOTAL	16.4	2.0	1.3	2.5	2.2	4.3	tr.	tr.	5.0	1.5

TABLE 16

BAGHDAD AIRPORT

Month October

Year 1957.

Frequency of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M																									
>200 -500M																									
>500 -1000M																1/1									1
>1000 -1500M																									
>1500 -3000M				1	2											3	2	1/1	1/1	1					11
>3 -5KM						2		1	1						1	4	4	1	1		1				16
>5 -10KM		1	1	6	12	10	4	1		1			1		5	17	8	6	5	4/1	1	3	1	1	88
>10 -15KM	12	12	10	12	12	16	13	11	9	8	10	8	9	8	17	4	14	12	11	12	13	10	12	9	264
>15KM	19	18	20	12	5	3	14	18	21	22	21	23	21	23	8	2	3	11	13	14	16	18	18	21	364
Total	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

NOTE

In fields containing two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency of Different Heights of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
>900M	6	5	4	9	11	13	11	7	9	11	9	8	11	13	13	12	10	9	6	6	8	9	8	8	216

TABLE 16-CONT.

Month October
Year 1957.

BASRAH AIRPORT

Frequency of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M										1/1															1
> 200 -500M																									
> 500 -1000M																									
>1000 -1500M																									
>1500 -3000M					1							1/1													2
>3 -5KM			1/1		1														1/1						3
>5 -10KM	1/1	1/1		1/7	1/	3		1	1		1/1			1/2	1/2	1/1	1		1/2	1/2	1/1		1/1	1/1	33
>10 -15KM	1	1	1	8	6	4	5	3	2	5	5	5	5	2	2	5	3	2	4	3	2	3			77
>15KM	29	29	29	16	18	24	26	27	28	25	25	25	26	27	27	25	27	29	24	26	28	28	30	30	628
Total	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

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Frequency of Different Heights
of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M																									
>300 -500M																									
>500 -900M																									
>900M	1	2	2	5	9	9	7	7	9	7	8	7	7	7	8	6	5	3	3	2	2	2	1	1	120

TABLE 17

(14)

Month October

Year 1957.

BAGHDAD AIRPORT

Simultaneous Occurrences of

Specified Visibility Ranges and Specified Lowest

Cloud Base ( ) = 5 Oktas)

HEIGHT METERS	VISIBILITY																										
	0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR *													1						6	4	12	12	13	19	12	14	31	31	31
>900							1							3			4	1	1	17	8	9	4	22	21	2	31	31	31
AND >= 5/8							1				1			5	1		5	5	3	37	11	10	79	13	18	121	31	31	248
TOTAL													1						6	4	12	12	13	19	12	14	31	31	31
							1							3			4	1	1	17	8	9	4	22	21	2	31	31	31
							1				1			5	1		5	5	3	37	11	10	79	13	18	121	31	31	248

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences fir dufferent times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 17-CONT.

BASRAH AIRPORT

Month October

Year 1957.

Simultaneous Occurrences Of Specified Visibility Ranges and Specified Lowest Cloud Base (≥ =5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50	1																											1		
			1																											1
>50-150																														
>150-300																														
>300-500																														
>500-900																														
<5/8 OR * >900																			1	7		1	8	5	29	16	26	31	31	31
																					1	5	5	5	25	26	25	30	31	31
AND ≥ 5/8																1		1	2		11	4	3	36	24	28	199	31	31	247
																			1	7		1	8	5	29	16	26	31	31	31
TOTAL	1																				1	5	5	5	25	26	25	31	31	31
			1													1		1	2		11	4	3	36	24	28	199	31	31	248

NOTE

In nine fields for each combination of visibility and height contain the number of different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

*ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

NOV 1957

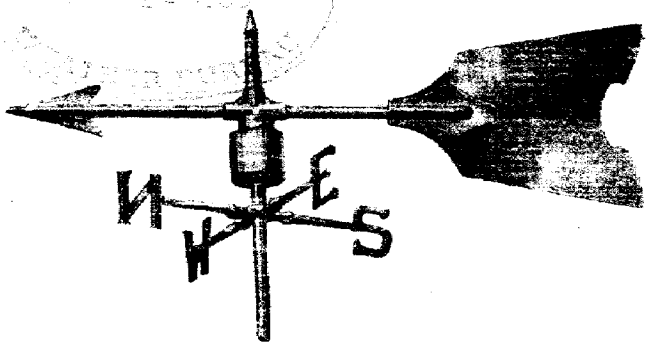
الحكومة العراقية

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

التقرير الجوي الشهري
للعراق
بغداد



GOVERNMENT OF IRAQ

Nov. 1957

MINISTRY OF COMMUNICATIONS AND WORKS

DIRECTORATE GENERAL OF CIVIL AVIATION

METEOROLOGICAL DEPARTMENT

MONTHLY WEATHER REPORT FOR IRAQ

BAGHDAD.

C O N T E N T S

TABLE		PAGE
-	MAP SHOWING ALL METEOROLOGICAL STATIONS	SEE JANUARY
1	MEAN DAILY TEMPERATURE.	1
2	MONTHLY MEAN GRASS MIN. TEMPERATURES, EARTH TEMPERATURES AND MONTHLY TOTAL SUNSHINE HOURS.	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES.	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE WIND.	6-8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATION FOR METEOROLOGICAL STATIONS.	9
15	DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS	10-14
16	FREQUENCY OF HORIZONTAL VISIBILITY AND CEILING-HEIGHT	15-16
17	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE.	17-18

PREPARED AND PUBLISHED
BY THE IRAQ METEOROLOGICAL DEPARTMENT
CLIMATOLOGICAL SECTION

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBAH	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Hiehgt of Station above M.S.L. in (Meters)
2. Hb. means Height of Barometer cistern above M.S.L. in (Meters)
3. Ha. means Height of Anemometer above the ground. in (Meters)

STATION	LATITUDE N.	LONGITUDE E.	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
AQRA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	130 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHANCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHUARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 46 E.	–
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	–
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KOUFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
TUZER	34 53 N.	44 39 E.	220 m.
QADIR KARAM	35 11 N.	44 53 E.	400mm.
MAKHMUR	35 46 N.	43 34 E.	450 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
KAI SANJAC	36 05 N.	44 38 E.	600 m.
TAQ TAQ	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
ANA	34 28 N.	41 27 E.	–
DIALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
MANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	–
SAMAWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
WAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

TABLE 1 NOVEMBER 1957

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWANIYA	NASIRIYA	BASRAH
1	25.0	19.8	23.4	21.2	24.9	24.7	25.1	25.3
2	24.9	19.9	22.7	18.0	25.2	26.8	26.7	27.3
3	25.7	19.8	21.0	17.5	25.4	25.5	25.8	27.2
4	21.2	17.1	18.4	16.4	22.2	22.1	22.9	23.5
5	21.2	16.2	18.7	17.4	21.3	21.9	22.6	23.5
6	22.1	14.7	17.2	18.1	21.9	24.1	23.5	24.9
7	19.2	16.5	17.8	15.4	21.1	20.3	23.1	24.1
8	18.0	16.5	16.7	13.1	20.4	19.4	21.3	19.4
9	18.1	15.8	16.9	12.3	18.4	18.0	19.4	19.3
10	18.1	14.5	17.0	13.7	19.0	18.8	19.5	19.7
11	18.0	14.2	16.4	13.8	19.0	19.6	18.7	18.9
12	17.5	13.6	16.6	14.9	18.4	18.4	18.1	19.2
13	18.6	14.7	17.2	19.2	17.8	18.7	17.5	18.4
14	18.3	15.1	13.1	18.7	18.7	19.8	14.9	19.6
15	18.1	16.2	12.6	16.5	16.0	18.1	17.4	19.5
16	19.2	15.4	17.0	14.5	19.2	19.5	19.7	21.3
17	14.7	12.8	14.6	12.1	18.0	17.7	19.5	21.2
18	14.5	12.8	13.6	12.1	13.7	14.3	14.9	16.6
19	14.0	11.7	13.4	11.1	14.7	14.9	14.7	15.7
20	14.1	8.9	12.2	11.6	14.0	15.3	16.1	17.1
21	16.3	8.9	12.4	11.1	15.1	16.7	17.6	16.7
22	12.7	8.4	11.2	8.7	15.2	14.2	15.4	17.3
23	10.4	6.2	10.9	8.4	11.8	12.9	13.5	14.8
24	9.7	5.6	11.1	8.0	9.9	10.5	11.1	13.0
25	9.7	6.8	10.8	6.8	12.4	11.3	13.2	13.5
26	12.9	6.3	10.0	8.2	14.2	12.7	14.4	16.9
27	12.0	7.1	11.2	8.9	12.5	12.0	12.9	15.1
28	12.1	8.0	11.9	9.1	12.3	11.9	13.3	15.7
29	13.4	8.7	12.9	10.1	15.0	13.5	14.0	15.5
30	14.1	11.1	12.7	10.6	15.0	15.0	15.0	17.6
MEANS	16.8	12.8	15.1	13.3	17.4	17.6	18.1	18.6

TABLE 2

MONTHLY MEAN TEMPERATURES

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	20.1	25.3	199.5
BASRAH	10.4	....	....	202.7
MOSUL	4.6	17.5	23.6	.....
KIRKUK	8.8	18.4	23.3	.....
HAI	10.7	....	....	.....
HABBANIYA	9.4	22.6	26.6	186.5

TABLE 3 NOVEMBER 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	34.8	17.0	32.8	11.4	31.4	17.2	32.1	18.0	33.3	16.6
2	30.8	19.0	26.8	15.1	28.0	18.2	35.4	20.7	30.0	19.4
3	32.2	22.3	25.1	16.7	26.0	19.2	34.4	20.2	30.0	18.3
4	28.1	16.5	26.1	11.0	25.9	13.2	28.7	19.7	27.2	17.2
5	29.3	12.8	26.8	7.6	25.3	11.8	31.9	16.6	28.9	13.3
6	29.4	16.5	17.1	13.8	21.1	15.2	30.8	18.9	29.4	17.2
7	25.3	13.6	21.3	12.8	22.7	13.6	28.5	21.3	25.5	13.3
8	24.3	13.7	24.7	12.4	20.7	13.7	25.3	18.8	24.4	14.4
9	26.2	11.4	25.4	10.5	23.2	11.9	28.2	13.3	24.4	12.2
10	25.0	11.5	24.4	8.1	24.1	10.5	27.8	13.4	25.0	11.6
11	26.3	10.4	23.1	7.4	22.8	11.7	25.6	13.2	25.5	11.6
12	25.5	10.7	24.1	6.3	23.2	11.5	26.6	13.3	26.1	10.0
13	28.2	10.0	24.2	7.2	24.9	12.2	27.2	10.2	28.3	8.9
14	22.7	12.2	20.4	10.2	23.8	13.0	29.7	10.6	21.1	12.8
15	22.2	15.2	21.4	12.9	22.4	13.9	26.1	15.1	27.8	13.9
16	26.3	13.6	19.4	14.2	21.1	14.6	30.5	15.2	25.0	14.4
17	15.3	15.0	16.2	11.2	19.4	14.6	29.0	15.7	18.9	15.5
18	20.3	10.4	20.1	10.2	19.3	9.3	22.0	12.7	18.9	11.6
19	21.3	8.4	20.0	6.7	18.9	8.3	21.3	10.3	20.0	7.8
20	18.7	9.0	14.2	6.9	14.6	8.9	22.3	11.6	19.4	9.4
21	21.5	12.5	15.9	5.1	17.9	10.9	19.6	14.3	21.6	10.0
22	19.4	10.7	17.5	2.8	17.4	7.8	23.6	12.4	17.2	10.5
23	18.0	4.5	15.8	-0.4	16.9	5.3	21.3	11.4	17.2	4.4
24	19.3	2.3	16.1	-0.7	17.8	6.9	20.5	6.8	17.2	2.8
25	16.6	2.3	17.8	-1.0	17.4	7.3	21.1	5.4	14.4	3.9
26	19.0	8.5	16.6	-0.4	16.2	4.0	21.8	13.6	17.2	9.4
27	19.5	5.0	17.8	-0.1	17.8	4.6	21.3	10.4	18.9	4.4
28	16.1	7.4	16.2	2.0	16.4	8.8	17.8	12.2	16.6	7.8
29	18.0	6.7	14.9	2.9	18.3	9.0	15.8	14.1	16.6	8.3
30	17.6	11.7	15.8	8.2	15.8	10.6	23.3	14.2	17.2	12.2
MEANS	23.4	11.4	20.6	7.7	21.0	11.3	25.5	14.1	22.8	11.4
NORMAL	24.6	10.5	22.3	7.0	22.7	11.2	26.9	13.3	24.6	10.1

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN	DAY	YEAR
BAGHDAD	34.8	1st.	1957	-1.7	16th.	1948
MOSUL	35.0	?	1932	-3.3	? &16&17th.	1932 1948
KIRKUK	32.8	1st.	1944	-2.0	30th.	1953
BASRAH	36.6	10th.	1939	3.3	14th.	1948
HABBANIYA	35.0	8th. & 1st.	1941 1944	-3.3	30th.	1953

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBAH		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	32.2	13.6	29.7	13.7	33.2	17.8	33.2	16.8	34.0	18.0
2	28.9	13.0	24.5	14.0	34.6	18.0	32.6	19.5	34.0	20.4
3	28.9	17.0	23.8	12.4	33.2	18.5	32.6	19.8	34.2	20.0
4	28.0	15.0	24.0	12.0	28.4	17.6	27.6	16.4	29.0	18.7
5	26.7	14.4	20.4	9.4	28.0	14.2	29.6	12.8	30.1	15.2
6	25.6	14.0	24.5	11.5	29.8	15.1	33.8	17.0	29.0	17.3
7	24.5	14.0	21.3	11.3	28.0	15.0	27.0	13.6	29.8	19.1
8	25.5	9.5	18.0	9.5	27.6	15.0	26.2	13.0	27.2	18.2
9	24.5	10.0	20.3	7.8	25.6	13.0	23.6	11.5	26.3	14.1
10	26.0	9.0	21.3	7.7	26.3	12.2	25.8	12.4	25.8	13.5
11	25.2	9.0	23.2	7.1	27.0	11.6	26.5	11.0	27.0	12.8
12	25.0	7.0	26.0	6.0	26.5	10.5	26.2	10.4	26.5	11.0
13	26.0	7.0	28.0	10.3	27.5	10.5	28.4	9.0	27.4	9.6
14	27.0	8.0	25.4	14.8	29.0	9.4	29.2	9.8	27.8	10.6
15	24.5	13.5	23.5	10.1	17.5	14.8	21.4	16.8	20.3	16.7
16	23.5	15.0	21.3	9.4	27.1	12.7	27.8	12.6	27.6	13.0
17	25.5	14.0	17.1	9.5	27.4	13.4	27.0	13.6	29.2	15.0
18	18.0	6.5	17.6	8.3	18.4	11.8	18.4	10.4	20.3	12.1
19	19.5	5.0	19.0	3.3	22.0	8.0	21.0	7.0	21.7	8.4
20	17.0	4.5	17.5	6.0	21.0	9.4	22.0	8.0	22.1	10.0
21	19.5	8.5	15.0	8.0	22.5	9.7	22.4	10.4	22.9	14.2
22	18.5	5.0	10.5	7.0	21.2	13.0	19.0	10.4	23.0	10.2
23	18.0	1.5	13.2	5.8	18.6	7.4	18.2	7.8	20.2	10.2
24	21.0	4.0	16.3	0.7	21.0	2.0	19.2	2.5	20.2	4.1
25	19.0	4.5	12.2	3.5	21.8	2.8	18.4	6.5	21.0	4.2
26	19.5	5.0	14.5	3.0	20.8	10.8	16.6	10.2	18.2	12.9
27	19.5	5.0	15.0	1.7	18.6	7.4	18.0	6.8	19.7	8.0
28	17.2	8.9	11.3	6.0	14.6	9.6	13.4	9.8	14.8	11.4
29	20.0	6.0	13.2	6.5	20.0	11.4	16.4	10.6	16.0	12.2
30	15.0	7.5	14.5	2.5	19.4	12.8	18.7	12.6	18.4	13.2
MEANS	23.1	9.2	19.6	8.0	24.6	11.8	24.0	11.6	24.8	13.1
NORMAL	24.7	10.9	21.6	7.4	26.5	12.0	25.8	9.9	26.6	11.7

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	35.0	7th.	1940	0.0	16th.	1948
RUTBAH	35.0	2nd.	1932	-6.0	30th.	1953
HAI	37.2	3rd.	1949	2.0	30th. & 24th.	1953 1957
DIWANIYA	36.1	2nd. & 4th.	1942 1949	-2.8	16th.	1948
NASIRIYA	36.7	1&2nd.	1942	0.7	30th.	1953

NOVEMBER 1957

TABLE 4

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	13.4	12.4	16.4	20.7	22.0	19.0	16.2	14.7	16.8
MOSUL	9.1	8.4	11.6	17.3	19.3	14.9	11.6	10.1	12.8
KIRKUK	12.9	12.1	15.9	19.2	19.5	16.3	14.0	13.2	15.4
KHANAQIN	....	12.1	16.0	21.1	22.0	18.4	15.6	....	17.6
HABBANIYA	13.3	12.3	15.4	20.5	22.0	18.4	15.4	18.0	16.9
RUTBAH	9.9	8.8	11.7	16.7	18.8	16.3	13.2	11.0	13.3
HAI	13.7	12.6	17.7	22.9	23.0	18.7	16.2	14.5	17.4
DIWANIYA	13.4	12.3	17.2	22.4	22.8	18.8	16.3	....	17.6
NASIRIYA	14.6	10.3	17.9	23.0	23.9	20.1	17.3	15.8	17.9
BASRAH	16.2	15.1	19.0	23.6	24.5	20.4	18.6	16.8	19.3

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	10.6	10.0	12.2	14.2	14.4	13.5	12.3	11.4	12.3
MOSUL	7.9	7.4	9.8	12.3	12.8	11.3	9.9	8.9	10.0
KIRKUK	9.7	9.3	11.4	12.7	12.6	11.4	10.4	9.8	10.9
KHANAQIN	....	10.0	12.4	14.6	15.0	13.4	11.9	....	12.9
HABBANIYA	11.0	10.4	12.6	15.0	15.1	14.0	12.6	11.9	12.8
RUTBAH	8.1	7.4	8.7	11.1	11.4	11.0	10.1	8.7	9.6
HAI	10.9	10.2	13.2	15.5	15.1	13.6	12.4	11.9	12.8
DIWANIYA	10.5	9.7	12.9	15.0	15.0	13.4	11.8	....	12.6
NASIRIYA	11.7	11.1	13.9	15.8	15.9	14.5	13.4	12.6	13.6
BASRAH	14.2	13.4	15.8	18.0	18.2	16.9	15.9	14.8	15.9

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS AT M.S.L.) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	16.7	16.9	18.1	17.3	16.0	16.1	16.7	16.8	1016.8
MOSUL	18.9	19.1	19.8	18.7	17.2	17.6	18.6	18.8	1018.6
KIRKUK	17.7	18.0	18.6	17.3	16.3	16.8	17.7	17.9	1017.5
KHANAQIN	....	17.3	18.0	17.0	15.5	15.7	16.0	....	1016.6
HABBANIYA	16.9	17.0	18.4	17.5	16.3	16.2	17.0	17.1	1017.1
RUTBAH	16.4	17.0	17.7	16.9	15.5	16.2	16.8	16.7	1016.6
HAI	16.1	16.7	17.8	16.7	15.3	15.7	16.5	16.3	1016.4
DIWANIYA	16.6	17.2	18.3	17.0	15.7	16.1	16.8	....	1016.8
NASIRIYA	16.3	16.5	17.9	16.6	15.2	15.6	16.4	16.5	1016.4
BASRAH	16.2	16.7	18.2	17.0	15.8	16.1	16.6	16.5	1016.6

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	74	76	66	51	46	56	62	71	63
MOSUL	86	88	81	50	45	66	81	87	75
KIRKUK	68	71	62	47	46	57	64	67	60
KHANAQIN	..	74	64	48	46	58	61	..	58
HABBANIYA	78	79	73	55	48	62	72	76	68
RUTBAH	79	84	69	52	45	54	69	76	66
HAI	72	76	63	49	45	59	67	71	63
DIWANIYA	71	74	64	48	46	58	64	..	61
NASIRIYA	71	76	66	49	47	57	66	70	63
BASRAH	80	83	72	57	54	70	77	80	72

TABLE 8 NOVEMBER 1957

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	11.3	11.0	12.0	12.2	11.6	12.1	12.4	11.6	11.8
MOSUL	10.3	10.1	11.3	11.3	10.7	11.3	11.3	10.9	10.9
KIRKUK	10.3	10.2	11.2	10.7	10.2	10.5	10.4	10.2	10.5
KHANAQIN	....	10.7	11.7	11.5	11.4	11.6	10.9	....	11.3
HABBANIYA	11.7	11.4	12.7	13.0	12.3	12.9	12.5	12.3	12.4
RUTBAH	9.9	9.7	9.6	9.8	9.4	9.8	10.6	10.0	9.8
HAI	11.3	11.1	12.5	13.0	12.2	12.4	12.0	11.5	12.0
DIWANIYA	10.9	10.6	12.4	12.4	12.1	12.0	11.7	....	11.7
NASIRIYA	12.1	12.0	13.2	13.4	13.1	13.0	13.1	12.3	12.8
BASRAH	14.9	14.3	15.0	16.4	16.2	16.0	16.2	15.5	15.8

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	8.2	7.9	9.2	9.5	8.7	9.4	9.2	8.8	8.8
MOSUL	6.8	6.5	8.3	8.2	7.4	8.2	8.3	7.8	7.7
KIRKUK	6.7	6.6	8.2	7.4	6.5	6.9	7.0	6.7	7.0
HABBANIYA	8.9	8.6	10.0	10.4	9.5	10.4	9.9	9.7	9.7
RUTBAH	6.3	6.1	5.7	6.1	5.6	6.2	7.2	6.6	6.2
HAI	8.4	8.1	9.9	10.4	9.4	9.8	9.5	8.8	9.3
DIWANIYA	8.0	7.5	9.7	9.8	9.3	9.3	8.8	...	8.9
NASIRIYA	9.3	9.1	11.1	10.8	10.5	10.5	10.5	10.6	10.3
BASRAH	12.6	12.0	13.4	14.0	13.8	14.4	14.0	13.3	13.4

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.6	1.0	0.8	1.1	1.9	1.4	1.1	0.8	1.1
MOSUL	2.5	2.6	2.4	2.6	3.4	2.5	2.4	2.2	2.6
KIRKUK	1.8	2.2	2.4	2.3	2.4	2.1	1.9	2.3	2.2
KHANAQIN	...	3.1	3.0	3.4	4.0	3.4	3.0	...	3.3
HABBANIYA	0.8	1.1	0.8	1.1	1.3	0.8	0.7	0.6	0.9
RUTBAH	1.8	2.1	2.1	2.9	2.9	2.6	1.7	1.6	2.2
HAI	1.0	1.4	1.4	1.8	2.5	1.5	0.9	1.8	1.5
DIWANIYA	0.8	0.8	1.0	1.4	1.7	1.2	0.9	...	1.1
NASIRIYA	1.4	1.4	1.2	1.6	2.1	1.3	1.1	1.4	1.4
BASRAH	0.1	0.7	1.2	1.4	2.0	1.7	0.7	0.5	1.0

TABLE 11

MONTHLY MEAN TOTAL CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	3.1	3.6	4.3	4.3	4.7	4.5	3.3	3.4	3.9
MOSUL	3.4	3.7	3.9	4.4	5.0	4.2	3.2	3.5	3.9
KIRKUK	3.3	3.8	3.8	3.6	4.5	3.8	3..3	3.6	3.7
KHANAQIN	...	4.4	4.4	5.0	5.0	4.4	3.2	...	4.4
HABBANIYA	3.5	4.1	4.4	4.4	4.2	4.3	3.4	3.5	4.0
RUTBAH	2.6	3.7	4.2	5.0	5.2	4.7	3.0	3.0	3.9
HAI	2.5	3.7	4.1	4.5	4.9	3.6	2.7	3.1	3.7
DIWANIYA	1.6	3.1	3.7	4.0	4.4	3.1	2.4	...	3.2
NASIRIYA	2.5	3.3	3.8	4.3	4.2	3.7	2.9	2.7	3.5
BASRAH	2.6	3.1	4.1	4.1	4.4	4.4	3.2	2.6	3.6

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

B A G H D A D

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	2	5	2	1	1	0	7	0	4	24	2	0	0	4
0300	4	1	4	1	2	0	4	9	5	24	1	0	0	3
0600	3	2	4	1	2	1	7	0	2	26	2	0	0	5
0900	0	0	5	3	3	2	5	12	0	27	3	0	0	7
1200	4	2	3	4	1	2	2	12	0	27	3	0	0	6
1500	1	2	2	4	1	0	5	9	6	23	1	0	0	4
1800	3	2	4	3	0	0	6	0	4	24	2	0	0	5
2100	1	3	4	2	0	0	6	7	7	22	1	0	0	4
TOTAL	18	17	28	19	10	5	42	73	28	197	15	0	0	5

M O S U L

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	4	3	6	0	0	0	3	2	12	17	1	0	0	3
0300	0	2	5	1	2	0	2	4	6	24	0	0	0	3
0600	11	2	5	1	0	1	2	4	4	25	1	0	0	4
0900	0	2	6	4	3	0	2	3	2	24	4	0	0	6
1200	4	2	6	1	4	1	9	2	1	25	4	0	0	4
1500	6	2	4	2	3	1	6	4	2	26	2	0	0	5
1800	4	2	4	2	2	0	5	4	7	22	1	0	0	4
2100	10	2	3	2	0	1	3	0	9	20	1	0	0	3
TOTAL	55	17	39	13	14	4	32	23	43	183	14	0	0	4

K I R K U K

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	2	15	10	2	0	0	0	0	1	29	0	0	0	5
0300	2	17	7	4	0	0	0	0	0	29	1	0	0	5
0600	1	4	6	0	1	0	0	1	9	21	0	0	0	4
0900	1	1	2	11	7	1	4	3	0	27	2	1	0	6
1200	1	3	2	10	3	2	3	5	1	27	2	0	0	6
1500	1	5	3	7	1	3	2	3	5	24	1	0	0	4
1800	7	13	4	2	0	0	0	2	2	26	2	0	0	4
2100	4	14	6	3	0	1	0	0	2	24	4	0	0	5
TOTAL	19	72	40	47	12	7	9	14	20	207	12	1	0	5

R U T B A H

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	1	1	2	2	2	3	4	2	13	15	2	0	0	3
0300	1	0	1	2	3	2	5	1	15	13	2	0	0	3
0600	1	3	3	1	1	0	4	4	5	19	6	0	0	6
0900	4	3	3	2	2	5	5	3	3	22	5	0	0	7
1200	2	3	4	4	2	3	3	7	2	22	6	0	0	7
1500	4	2	7	2	2	0	4	5	4	23	3	0	0	5
1800	1	5	4	5	1	0	2	5	7	21	2	0	0	4
2100	3	1	2	5	2	2	0	2	13	16	1	0	0	3
TOTAL	17	18	26	23	15	23	27	29	62	151	27	0	0	5

TABLE 12-CONT. NOVEMBER 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

K H A N A Q I N

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0300	1	0	14	2	2	0	0	3	8	22	0	0	0	3
0600	2	0	18	0	3	0	2	1	4	26	0	0	0	4
0900	4	1	6	0	4	0	0	5	2	28	0	0	0	4
1200	6	1	1	0	5	1	6	7	3	26	1	0	0	5
1500	6	0	5	1	3	0	4	2	9	21	0	0	0	3
1800	3	1	12	0	5	0	1	0	8	22	0	0	0	3
TOTAL	22	3	56	3	22	1	21	18	34	145	1	0	0	4

H A I

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	1	0	0	0	0	2	10	3	6	19	5	0	0	7
0300	1	2	4	1	1	0	13	1	7	21	2	0	0	5
0600	0	0	7	1	1	1	14	1	5	20	5	0	0	6
0900	1	0	7	2	1	0	13	2	4	19	7	0	0	7
1200	1	1	6	1	0	0	13	4	4	21	5	0	0	6
1500	1	1	7	0	0	0	11	2	0	20	2	0	0	5
1800	3	1	7	0	0	2	10	2	5	20	5	0	0	6
2100	2	1	5	0	2	2	9	1	0	16	6	0	0	6
TOTAL	10	6	51	5	5	7	93	16	47	156	37	0	0	6

D I W A N I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	8	2	6	3	0	0	8	1	2	26	2	0	0	6
0300	2	3	5	2	0	0	10	3	5	22	3	0	0	5
0600	5	0	0	2	0	2	10	1	2	22	4	2	0	6
0900	7	0	7	2	2	0	8	2	2	22	4	2	0	6
1200	13	1	6	1	0	0	5	2	2	21	5	2	0	6
1500	7	2	7	2	0	0	5	2	3	23	3	1	0	6
1800	6	2	10	0	0	0	6	3	3	24	3	0	0	6
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	48	10	49	12	2	2	52	14	19	157	24	7	0	7

N A S I R I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
0000	2	2	6	4	0	4	0	4	0	26	4	0	0	7
0300	1	2	7	1	4	3	0	4	0	26	4	0	0	6
0600	1	0	5	3	4	2	11	4	0	24	3	0	0	7
0900	3	1	5	3	3	1	0	6	0	24	6	0	0	8
1200	5	2	8	1	0	0	9	5	0	24	6	0	0	8
1500	6	1	8	2	1	0	4	0	0	24	5	1	0	7
1800	4	5	6	2	0	0	5	0	0	27	3	0	0	7
2100	4	2	0	3	1	1	4	7	0	27	3	0	0	7
TOTAL	26	15	53	19	13	11	57	46	0	202	37	1	0	7

SURFACE WIND - NUMBER OF OBSERVATIONS IN :-

B A S R A H

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	5	4	1	3	2	4	5	2	4	26	0	0	0	5
0300	4	1	3	1	1	2	7	4	7	21	2	0	0	4
0600	2	5	1	3	1	5	8	2	3	23	4	0	0	5
0900	2	3	4	3	1	3	11	1	2	24	4	0	0	7
1200	3	1	5	4	0	0	8	6	3	21	6	0	0	7
1500	1	3	3	3	0	5	8	3	4	23	3	0	0	5
1800	4	2	6	3	1	2	6	5	1	29	0	0	0	4
2100	3	2	2	2	1	6	3	5	6	23	1	0	0	4
TOTAL	24	21	25	22	7	27	56	28	30	190	20	0	0	5

H A B B A N I Y A

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	3	3	3	2	0	1	7	5	6	19	5	0	0	5
0300	3	4	3	1	1	1	13	1	3	22	4	1	0	5
0600	4	3	3	1	1	2	8	7	1	27	2	0	0	5
0900	3	2	1	3	5	1	8	6	1	24	4	1	0	6
1200	3	1	3	1	7	1	5	7	2	23	4	1	0	7
1500	4	3	6	1	1	0	4	7	4	22	4	0	0	5
1800	2	1	7	2	0	1	0	3	6	19	5	0	0	5
2100	4	1	5	1	0	0	7	5	7	19	4	0	0	5
TOTAL	26	18	31	12	15	7	60	41	30	175	32	3	0	5

TABLE 13

NUMBER OF CASES OF :-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	10	0	0	4	4	1	4	1
MOSUL	8	0	0	4	7	0	6	7
KIRKUK	7	0	0	4	1	0	10	6
KHANAQIN	10	0	1	4	0	0	7	8
RUTBAH	9	0	0	1	3	1	6	4
HAI	7	0	0	9	0	0	5	4
DIWANIYA	5	0	0	4	0	1	8	1
NASIRIYA	5	0	0	4	1	0	8	3
BASRAH	6	0	0	3	3	0	8	4
HABBANIYA	10	0	0	3	1	0	•	•

TABLE 14 NOVEMBER 1957

DAILY PRECIPITATION UNIT (MILLIMETERS, tr. (0.05 mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1	tr.	0.5	tr.		2.9			tr.		
2	tr.	0.5	tr.	0.4	0.5					
3			tr.							
4										
5	0.6	1.8	7.2		0.9					1.1
6	13.5	17.4	18.0	2.6			tr.			
7				6.1	4.0	tr.		0.1		0.8
8	tr.		tr.			1.0		0.1	2.3	0.3
9										
10										
11										
12										
13					0.7					
14	0.6	9.0	11.3			4.8	0.8	0.1		1.6
15		2.1	0.4	0.7		2.2	tr.	0.6	tr.	
16	5.5	tr.	tr.	0.4	1.1					1.0
17	48.9	10.9	9.3	51.5	0.2	1.5	2.0	1.3	10.0	11.0
18						tr.				
19										
20				0.6				tr.	tr.	
21	0.4			1.1					2.8	1.8
22	tr.									
23										
24					tr.					
25	0.9				1.5	1.6	34.4	5.9		0.2
26									tr.	
27					tr.			1.0	9.4	
28	0.8			0.8	1.5	4.5	7.0	26.0	35.5	0.2
29	6.0	1.9	5.9	0.9		55.0	20.0	tr.		2.4
30	0.6		0.3	27.4	tr.				1.5	
TOTAL	77.8	44.1	52.4	100.5	13.3	61.1	64.2	35.1	61.5	20.4

TABLE 15 NOVEMBER 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATION UNIT(MILLIMETERS)

DATE	AQRA	TEL AWAINAT	SINJAR	TELA-AFAR	QAYARA	ARBIL	CHAM-CHAMAL	PEN-JWIN	BAKRA-JO
1	25.5			1.0					
2	28.4								3.5
3							4.5		
4							3.0		
5			2.5	1.2			1.0		1.5
6		10.4	11.7	32.0			8.7	5.0	13.0
7		38.6				15.4	4.5		
8							6.7		
9		6.4				0.5	9.0	8.0	
10									
11									
12									
13					4.0				
14	15.2			6.0			8.0		12.4
15	25.4	22.1				6.9	6.0	33.0	17.1
16	30.7		4.0	6.0			5.0	10.0	8.0
17		7.4	2.5	3.5	2.6			13.0	31.0
18						23.9		27.0	
19					1.0				
20									1.0
21									
22							9.0		
23							7.0		
24							6.0		
25									
26									
27	10.4								
28	30.7								1.7
29	25.4			4.3	2.0				5.5
30	16.4				0.5		7.0	28.0	2.8
TOTAL	208.1	84.9	20.7	54.0	14.6	46.7	85.4	124.0	97.5

TABLE 15-CONT. NOVEMBER 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT(MILLIMETERS)

DATE	HALA-BJAH	IFTI-KHAR	SALAH-ADDIN	RAYAT	SANAT	DUHOK	MIRZA-RUSTAM	SHAQ-LAWA	BIN-KARD	JA-JAF
1										
2										
3			3.8					5.1	10.6	
4	2.5			14.5	28.2					
5				6.7					0.7	
6	6.0	5.1	12.7	20.1	5.1			3.0	43.0	
7		29.2	12.7		28.9	50.5	5.1			
8	3.0				10.6					
9										
10										
11										
12										
13										
14	3.5			41.5			0.4	6.0	13.5	
15	6.8	9.9	5.1	8.3	6.2	40.4	0.3	5.0	12.0	
16	4.0		7.6	2.5	15.3	0.6	2.0		0.6	
17	23.0		7.8	6.7	14.7	0.4		19.0	18.0	
18	3.0	13.0								
19										
20			12.7							
21										
22										
23										
24										
25										28.0
26										
27										
28	1.5									12.0
29	9.5					2.6			0.9	14.0
30	9.0	8.4	10.2		10.1			6.5	0.7	
TOTAL	71.8	65.6	82.6	78.3	119.1	94.5	7.8	44.6	100.0	54.0

TABLE 15-CONT. NOVEMBER 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS (MILLIMETERS)

DATE	BAI-JI	ANA	HADI-THA	SAMI-RAA	DIALA	JALAT-LAA	SAI-DIYA	ASI-ZIYA	[illegible]	HIT	ZUBA-BAIR
1											
2											
3											
4											
5	3.1	5.0									
6	23.2		2.0		12.0	2.5	2.0	tr.	0.3		
7	tr.				13.0	8.9					
8		4.4									tr.
9											
10											
11											
12											
13		4.0									
14	4.1		1.3								
15								tr.	2.5		
16		1.5			13.0	7.6	9.0				
17	13.5	15.0	23.0	14.6	29.0	15.2	27.0	18.0	4.0	9.1	10.4
18						35.6				1.3	
19						2.5					
20											0.8
21											
22											20.9
23											
24										1.2	
25	0.6							15.0	15.0		
26			5.0								1.8
27											3.0
28								9.0	7.0	2.0	8.0
29					5.0	3.8	24.0	4.0	10.0		
30	9.1			tr.	1.0	27.9					17.6
TOTAL	53.6	29.9	30.7	14.6	73.0	103.0	62.0	46.0	38.8	13.6	62.5

TABLE 15-CONT. NOVEMBER 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT (MILLIMETERS)

DATE	MAN-DILY	KAR-BALA	HIN-DIYA	HILA	ALI-ALGHARBI	RUMAI-THA	QALAT-SALEH	AL KORNA	ABI-ALKHASIB
1									
2									
3									
4									
5									
6									
7	11.0						3.4	2.2	
8					0.1				14.0
9				0.6					
10									
11									
12									
13									
14	6.5				1.9	4.9			
15	11.5			0.8	2.6		1.9	3.5	0.2
16	11.0		0.4						
17	20.5	2.5	16.5		4.2	1.1	1.6	10.6	
18		8.6		11.8					0.8
19									
20								3.8	
21									1.0
22									
23				0.4					
24									
25		19.8	16.5		2.2	6.3	12.2		
26				17.3				3.4	1.8
27							0.3		
28	4.2	6.4			10.7	8.6	40.6	41.7	2.3
29	2.0		7.1	7.8	40.8	18.9	0.2		24.0
30				5.2		3.4	0.1		0.4
TOTAL	74.7	35.3	40.5	43.6	62.5	43.2	60.3	65.2	44.5

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT (MILLIMETERS)

DATE	AMA-RA	SAMA-WA	GHABI-SHIYA	FAO	UR	KUT	AL RUFAII	
1								
2								
3								
4								
5		tr.						
6						tr.		
7				2.4				
8				5.4		tr.		
9					20.0			
10								
11								
12								
13								
14		2.9					3.3	
15		0.2				1.6		
16					20.0			
17	13.0			7.0		23.7		
18								
19								
20		tr.		1.0				
21								
22						tr.		
23								
24								
25	5.5	1.3		6.2		12.6	6.1	
26								
27		tr.		1.6				
28	55.0	29.5		37.3		34.5	18.0	
29		4.7			100.0		2.3	
30				8.2				
TOTAL	73.5	38.6	0.0	69.9	140.0	71.4	30.5	

TABLE 16

BAGHDAD AIRPORT

Month November

Year 1957.

Frequency of Horizontal Visibility

TIME - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M					1	1																			2
>200 -500M								1					1/1					1	2	1	1	1			8
>500 -1000M				2	2	3	1	1						1/1			1			1	1	1	2		16
>1000 -1500M							3				1/1	1				1			1	1	1	1		1	11
>1500 -3000M				1	1	1	1	1										1	1			1			8
>3 -5KM		1	1	1	5	1			2	1					1/2	5	3	4		1	1				28
>5 -10KM	1	1	2	1	4	4	3	2	1	3	1		1	1	7	9	8	1	4	3	3	3	2	1	66
>10 -15KM	8	11	14	10	12	17	8	6	8	7	10	9	5	7	15	12	9	8	5	5	5	8	7	5	211
>15KM	21	17	13	15	5	3	14	19	19	19	18	20	23	21	6	3	9	15	17	18	18	15	19	23	370
TOTAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720

NOTE

In fields containing two numbers the first one gives the cases with dust in the air, the second number shows the total.

Frequency of Different Heights of Cloud-Base (Amount 5-8 Oktas)

TIME - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M																									
>150 -300M												1	1												2
>300 -500M					1	1								1				1							4
>500 -900M	1	1	1				1	1	1		2	1		1	1	2	1								14
>900M	12	10	10	12	14	16	15	17	17	17	14	12	12	15	17	16	14	11	12	11	13	13	11	13	324

TABLE 16-CONT.

BASRAH AIRPORT

Month November

Year 1957.

Frequency of Horizontal Visibility

TIME - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -200M			1			1																			2
>200 -500M					1																				1
>500 -1000M																									
>1000 -1500M																									
>1500 -3000M				3								1/1	1/1	1/1	1/1										7
>3 -5KM				1	4	2	1					1	1/1			1/2		1					1		14
>5 -10KM			1	1	2	1	2		1	1	1			1	1		1/2	1/2	1					1	18
>10 -15KM	2	1		3	9	7	4	3	2	1	2	1		2	3	1	1	2	5	6	3	3	3	4	60
>15KM	28	29	28	22	14	19	23	27	27	28	27	27	28	26	25	27	27	25	24	24	27	27	26	25	610
TOTAL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	720

NOTE

In fields containing two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency of Different Heights of Cloud-Base (Amount 5-8 OKTAS)

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M																									
>50 -150M					1		1									1									3
>150 -300M			1	1	1	1		2	3	2	1	1	1	2	2	2	1	1	1	1	1	1			27
>300 -500M						1	1	1		1	1	1	1					1	1	1	1	1	1		15
>500 -900M					1						1	2	1	2	2	2	1								12
>900M	10	10	9	10	11	12	14	13	13	14	15	14	14	14	15	14	13	12	10	8	9	8	7	9	278

TABLE 17

(17)

Month November
Year 1957.

BAGHDAD AIRPORT

Simultaneous Occurrences Of
Specified Visibility Ranges and Specified Lowest
Cloud Ba (>= 5 Oktas)

HEIGHT	VISIBILITY																													
METERS	0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																														
>50-150																														
>150-300																							1						1	
																								1						1
>300-500																														
>500-900																						1					1	1		1
																								2						2
																								3			1			4
<5/8 OR *							2	2			2		1	1		1		1	1	3	7	10	8	21	15	13	29	30	29
>900					1						1				1		5	3	1	9	7	4	10	19	23	3	30	29	26
AND >=5/8				2	1	4	1	5	1	1	5	1	1	4			7	4	3	25	5	8	59	17	15	126	30	30	235
							2	2			2		1	1		1		1	1	3	8	10	8	21	15	14	30	30	30
TOTAL					1						1				1		5	3	1	9	7	5	12	19	23	3	30	30	30
				2	1	4	1	5	1	1	5	1	1	4			7	4	3	25	5	8	63	17	15	127	30	30	240

NOTE

The nine fields for each combination of visibility and height contain the number of occurrences fir dufferent times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

* ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

TABLE 17-CONT.

Month November
Year 1957.

BASRAH AIRPORT

Simultaneous Occurrences Of
Specified Visibility Ranges and Specified Lowest
Cloud Base (>=5 Oktas)

HEIGHT	VISIBILITY																												
	0-200M		>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50																													
>50-150																							1						1
															1														1
															1								1						2
>150-300																									1			1	
												1												2		2	2	1	2
													1					1		1					1	6	1	1	8
>300-500																										1			1
																								1	1		1	1	
																								1	1	5	1	1	5
>500-900																													
																									1	2		1	2
																										3			3
<5/8 OR >900 AND >=5/8											3			1	1		1	2	2	3	3	28	21	22	30	29	28	
														1	1	1			1		1	25	26	23	27	27	25	
												3			4			4	5	3	18	23	25	193	28	28	222	
TOTAL											3			1	1		1	2	2	3	4	28	22	23	30	30	30	
											1			1	2	1			1		1	28	28	27	30	30	30	
												4			5	1		5	5	3	19	24	27	207	30	30	240	

NOTE

The [illegible] for each combination of visibility and height contain the number of occurrences for different times using the following model:

00	03	06	
09	12	15	G.M.T.
18	21	To	

To=Total for all hours

ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.

DEC 1957

الحكومة العراقية

وزارة المواصلات والاشغال

مديرية الطيران المدني العامة

مديرية الانواء الجوية

التقرير الجوي الشهري
للعراق
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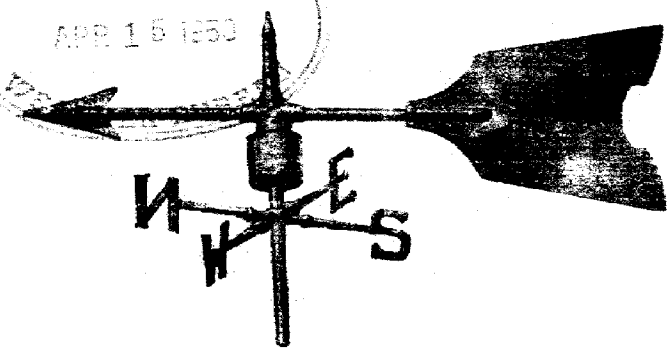

GOVERNMENT OF IRAQ
MINISTRY OF COMMUNICATIONS AND WORKS
DIRECTORATE GENERAL OF CIVIL AVIATION
METEOROLOGICAL DEPARTMENT.

Iraq.

Dec 1957

MONTHLY WEATHER REPORT FOR IRAQ

BAGHDAD.

C O N T E N T S

TABLE		PAGE
–	MAP SHOWING ALL METEOROLOGICAL STATIONS	SEE JANUARY
1	MEAN DAILY TEMPERATURE.	1
2	MEAN MONTHLY GRASS MIN. TEMPERATURE, EARTH TEMPERATURE AND MONTHLY TOTAL SUNSHINE HOURS	1
3	DAILY MAXIMUM AND MINIMUM TEMPERATURES AND THEIR EXTREMES.	2-3
4	MONTHLY MEAN DRY BULB TEMPERATURES.	4
5	MONTHLY MEAN WET BULB TEMPERATURES.	4
6	MONTHLY MEAN PRESSURE AT M.S.L.	4
7	MONTHLY MEAN RELATIVE HUMIDITY.	4
8	MONTHLY MEAN VAPOUR PRESSURE.	5
9	MONTHLY MEAN DEW POINT.	5
10	MONTHLY MEAN LOW CLOUD.	5
11	MONTHLY MEAN TOTAL CLOUD.	5
12	SURFACE.WIND.	6-8
13	CLIMATOLOGICAL SUMMARY.	8
14	DAILY PRECIPITATIONS FOR METEOROLOGICAL STATIONS.	9
15	DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS	10-16
16	FREQUENCY OF HORIZONTAL VISIBILITY AND CLOUD-BASE.	17
17	COMBINED STATISTICS OF VISIBILITY AND CLOUD-BASE	18

PREPARED AND PUBLISHED

BY

IRAQ METEOROLOGICAL DEPARTMENT

CLIMATOLOGICAL SECTION

STATION INDEX

STATION	LATITUDE	LONGITUDE	Hs.	Hb.	Ha.
MOSUL	36 19 N.	43 09 E.	222.6 m.	223.5 m.	13.1 m.
KIRKUK	35 28 N.	44 24 E.	330.8 m.	331.7 m.	8.2 m.
KHANAQIN	34 18 N.	45 26 E.	201.2 m.	202.1 m.	6.1 m.
BAGHDAD	33 20 N.	44 24 E.	34.1 m.	40.4 m.	17.1 m.
HABBANIYA	33 22 N.	43 34 E.	43.6 m.	44.5 m.	14.9 m.
RUTBAH	33 02 N.	40 17 E.	615.5 m.	616.4 m.	16.1 m.
HAI	32 10 N.	46 03 E.	14.9 m.	16.1 m.	7.9 m.
DIWANIYA	31 59 N.	44 59 E.	20.4 m.	21.0 m.	5.8 m.
NASIRIYA	31 01 N.	46 14 E.	3.0 m.	3.7 m.	8.8 m.
BASRAH	30 34 N.	47 47 E.	2.4 m.	13.7 m.	23.5 m.

NOTES: 1. Hs. means Hiehgt of Station above M.S.L. in (Meters)
2. Hb. means Height of Barometer cistern above M.S.L. in (Meters)
3. Ha. means Height of Anemometer above the ground. in (Meters)

STATION	LATITUDE N.	LONGITUDE E.	HEIGHT OF STATION ABOVE M.S.L.
ZAKHO	37 08 N.	42 41 E.	442 m.
AMADIA	37 05 N.	43 30 E.	1236 m.
RAWANDUZ	36 37 N.	44 33 E.	1006 m.
AQRA	36 45 N.	43 53 E.	716 m.
TEL AWAINAT	36 41 N.	42 24 E.	346 m.
SINJAR	36 19 N.	41 50 E.	476 m.
TELAAFAR	36 22 N.	42 28 E.	373 m.
QAYARA	35 48 N.	43 17 E.	180 m.
ARBIL	36 11 N.	44 00 E.	414 m.
CHAMCHAMAL	35 32 N.	44 51 E.	701 m.
SULAIMANIYA	35 33 N.	45 27 E.	853 m.
PENJWIN	35 37 N.	45 58 E.	1311 m.
BAKRAJOH	35 34 N.	45 23 E.	750 m.
HALABJAH	35 11 N.	45 59 E.	724 m.
IFTIKHAR	35 03 N.	44 27 E.	204 m.
CHJARTAH	35 44 N.	45 33 E.	1356 m.
SALAHDDIN	36 37 N.	44 13 E.	1088 m.
RAYAT	36 41 N.	44 57 E.	2610 m.
SANAT	36 46 N.	42 48 E.	—
DUHOK	36 52 N.	43 02 E.	860 m.
MIRZA RUSTAM	36 03 N.	44 58 E.	459 m.
SHAQLAWA	36 23 N.	44 20 E.	—
SERSANK	36 58 N.	43 32 E.	1046 m.
BINKIRD	36 03 N.	45 03 E.	708 m.
ZEBAR (BILLE)	36 52 N.	44 05 E.	600 m.
GALALA	36 16 N.	45 07 E.	650 m.
KOUFRI	34 42 N.	44 57 E.	250 m.
IFRAZ	36 23 N.	43 48 E.	285 m.
TUZ	34 53 N.	44 39 E.	220 m.
QADIR KARAM	35 11 N.	44 53 E.	400m.
MAKHMUR	35 46 N.	43 34 E.	450 m.
AIN SIFNI	36 42 N.	43 21 E.	550 m.
KAI SANJAC	36 05 N.	44 38 E.	600 m.
TAG TAG	35 53 N.	44 35 E.	550 m.
BAIJIH	34 56 N.	43 29 E.	115 m.
ANA	34 28 N.	41 27 E.	—
DIALA (SEDOR)	34 05 N.	45 01 E.	68 m.
JALAWLAA	34 16 N.	45 09 E.	119 m.
HIT	33 38 N.	42 50 E.	58 m.
KARBALAA	32 37 N.	44 01 E.	29 m.
HINDIYA	32 42 N.	44 17 E.	24 m.
HILLA	32 29 N.	44 26 E.	27 m.
KUT	32 30 N.	45 45 E.	19 m.
KANDILY	33 45 N.	45 33 E.	137 m.
NUKHAIB	33 02 N.	42 15 E.	305 m.
AMARA	31 51 N.	47 10 E.	9 m.
SHABICHA	30 42 N.	43 41 E.	—
SAMAWA	31 18 N.	45 16 E.	6 m.
BADAA	31 26 N.	46 16 E.	9 m.
UR	30 58 N.	46 08 E.	4 m.
GHABISHIYA	30 44 N.	47 05 E.	4 m.
MAQIL	30 34 N.	47 47 E.	2 m.
FAO	29 59 N.	48 30 E.	2 m.

TABLE 1 DECEMBER 1957.

MEAN DAILY TEMPERATURES

DATE	BAGHDAD	MOSUL	KIRKUK	RUTBAH	HAI	DIWANIYA	NASIRIYA	BASRAH
1	13.2	10.1	12.8	10.9	14.8	15.3	12.5	15.4
2	14.1	9.0	12.2	12.1	14.0	12.7	13.0	14.8
3	13.3	12.4	14.7	12.0	15.1	14.4	15.5	16.8
4	13.3	10.1	11.6	11.8	14.1	14.5	16.1	16.4
5	12.8	11.6	12.2	9.6	13.3	13.9	13.5	16.1
6	12.7	10.0	10.7	8.2	14.7	12.9	14.1	16.0
7	11.0	8.1	10.0	8.8	11.7	11.5	11.7	14.0
8	12.6	9.3	10.4	8.5	12.5	12.0	13.0	14.5
9	11.5	6.5	10.4	7.3	13.2	11.9	13.8	16.1
10	9.1	5.5	6.7	7.3	9.9	9.9	10.5	13.1
11	9.9	7.7	8.3	7.9	10.9	10.8	10.6	11.2
12	10.6	6.8	9.4	9.1	11.9	10.9	12.2	12.8
13	11.4	9.2	10.1	9.1	11.2	12.2	12.1	11.9
14	11.1	8.6	10.9	8.6	11.9	12.3	12.3	12.0
15	11.3	8.1	10.9	8.6	10.0	10.2	11.1	12.6
16	10.3	7.5	11.4	10.2	11.0	10.5	11.0	12.1
17	11.5	8.4	12.0	11.1	12.0	11.4	11.5	12.3
18	13.3	9.6	13.1	11.4	12.1	12.6	12.6	13.0
19	13.7	9.7	12.5	12.6	13.6	13.8	15.4	15.9
20	15.5	9.5	12.0	11.0	15.0	13.9	13.9	17.0
21	10.4	6.6	9.7	7.6	12.4	11.0	12.0	13.0
22	9.1	5.9	10.6	6.6	11.2	10.9	11.1	12.8
23	8.5	4.6	9.0	7.4	10.6	7.0	11.3	12.9
24	9.4	4.0	7.6	9.2	10.3	10.5	11.7	14.4
25	10.0	4.5	7.4	7.0	11.3	10.9	10.5	12.0
26	8.3	4.3	5.9	5.4	9.3	9.9	9.9	11.3
27	7.0	2.4	5.4	5.2	7.7	7.6	8.1	9.9
28	5.1	2.8	5.9	3.3	5.8	6.5	6.9	7.9
29	5.3	1.8	5.3	4.1	6.3	5.9	5.9	7.6
30	5.6	2.9	5.5	4.5	6.4	5.5	6.0	7.3
31	6.7	3.6	7.5	5.9	7.1	11.0	6.3	6.8
MEANS	10.6	7.1	9.7	8.5	11.3		11.5	12.9

TABLE 2

MONTHLY MEAN TEMPERATURES

STATION	GRASS MIN.	EARTH 0.2 M	EARTH 1.2 M	MONTHLY TOTAL SUNSHINE HOURS
BAGHDAD	....	13.5	20.4	220.0
MOSUL	-0.3	10.4	17.7	159.7
KIRKUK	3.8	13.1	18.7	.....
HAI	5.6	....	....	.....
BASRAH	3.9	....	....	209.5
HABBANIYA	3.0	16.1	21.8	198.2

TABLE 3 DECEMBER 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	BAGHDAD		MOSUL		KIRKUK		BASRAH		HABBANIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	20.8	7.4	19.8	3.1	17.3	9.7	19.4	13.4	19.4	7.2
2	18.7	10.0	12.1	5.4	15.5	8.4	19.8	12.6	17.2	8.9
3	17.5	9.7	20.0	7.7	20.9	10.8	22.1	12.4	16.1	10.5
4	16.4	9.9	12.4	6.8	14.0	10.0	19.8	12.6	16.6	11.6
5	14.7	11.4	16.6	8.8	16.4	9.7	21.6	14.7	13.3	10.0
6	17.2	10.0	11.8	7.7	15.7	8.3	20.3	10.8	15.5	10.5
7	17.9	5.4	13.7	6.4	13.7	6.0	19.5	10.4	15.5	6.1
8	18.7	7.9	11.3	8.1	13.1	7.0	20.0	8.8	18.3	8.9
9	18.0	8.0	10.2	5.2	15.9	9.0	20.3	12.3	16.6	5.5
10	14.4	5.2	10.6	0.8	10.2	3.2	17.8	9.5	13.9	5.0
11	17.1	3.6	11.3	3.6	14.1	1.4	12.7	9.2	16.1	3.3
12	15.6	6.0	10.2	4.9	13.2	6.3	18.8	8.0	13.9	6.1
13	18.5	7.4	16.0	6.2	15.6	6.3	17.5	8.5	17.2	7.8
14	17.6	6.4	16.6	2.9	17.6	5.6	18.4	6.4	15.5	6.6
15	18.0	6.4	16.3	3.4	18.2	5.3	19.1	7.2	16.6	6.1
16	17.8	3.6	16.4	1.8	18.7	6.4	19.0	5.5	17.8	3.8
17	19.9	5.1	17.6	1.7	18.5	7.1	18.7	6.2	18.9	4.4
18	20.6	6.6	17.9	3.4	19.2	8.5	20.2	6.6	19.4	6.1
19	16.7	10.4	12.3	7.1	15.4	10.6	20.9	9.7	16.6	10.0
20	19.0	12.8	14.0	6.6	15.9	10.4	20.5	16.8	17.2	10.5
21	17.8	4.8	12.1	4.2	14.6	5.4	18.9	9.0	16.1	5.5
22	16.5	3.7	15.2	0.3	16.8	6.8	18.7	8.9	15.5	4.4
23	17.0	2.0	13.3	-1.2	16.9	5.7	18.6	6.8	15.5	3.3
24	16.4	1.0	12.8	-1.4	13.2	1.4	19.2	10.6	16.6	2.8
25	18.2	4.8	11.8	1.8	11.3	5.3	18.4	5.3	16.1	2.2
26	16.1	3.0	12.7	-2.8	11.4	1.4	18.3	5.9	15.0	1.6
27	13.8	1.0	12.4	-4.7	11.8	0.4	16.7	4.6	13.9	1.2
28	14.0	-1.2	12.3	-2.6	13.4	0.9	14.7	1.7	12.8	-0.6
29	14.4	-1.8	11.8	-4.8	12.4	0.2	15.1	0.8	12.8	-2.2
30	14.0	-2.8	12.2	-5.2	13.2	-1.2	14.8	0.3	12.8	-2.2
31	14.2	1.8	10.9	-1.1	14.3	3.0	13.8	0.2	13.3	0.5
MEANS	17.0	5.5	13.7	2.7	15.1	5.8	18.5	8.2	15.9	5.3
NORMAL	17.4	5.3	14.5	3.0	15.6	5.9	19.6	8.6	17.1	5.4

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
BAGHDAD	26.6	3rd.	1956	-6.7	5th.	1941
MOSUL	27.2	3rd.	1956	-7.2	-	1932
KIRKUK	27.1	2nd.	1956	-6.1	23rd.	1946
BASRAH	29.4	1st.	1942	-2.6	13th.	1956
HABBANIYA	26.1	11th. &1,2nd.	1940 1943	-6.7	5th.	1941

TABLE 3-CONT. DECEMBER 1957

DAILY MAXIMUM AND MINIMUM TEMPERATURES (IN CENTIGRADE)

	KHANAQIN		RUTBAH		HAI		DIWANIYA		NASIRIYA	
DATE	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.
1	18.6	6.1	18.0	4.1	21.0	10.4	19.8	10.5	18.4	9.4
2	17.2	4.4	19.5	6.1	21.0	8.8	15.0	9.2	16.1	9.5
3	21.5	9.0	19.0	5.6	20.5	12.0	17.8	11.2	20.0	12.8
4	15.5	7.5	18.1	7.5	17.6	12.2	17.4	11.5	19.5	14.2
5	16.7	7.2	16.6	4.4	21.8	12.0	18.4	11.7	17.7	12.6
6	17.8	9.5	14.5	3.0	17.3	8.4	18.0	8.4	18.9	9.8
7	16.4	6.0	14.5	3.5	18.5	7.7	17.4	6.6	18.0	7.4
8	16.5	6.6	14.3	3.4	19.4	5.6	19.0	5.6	18.5	6.2
9	18.0	5.4	13.6	1.6	18.5	9.4	16.8	7.4	18.6	8.9
10	15.0	4.5	15.0	2.5	14.7	5.8	14.6	6.5	15.7	6.9
11	16.4	0.0	16.1	1.3	16.6	6.6	17.0	6.3	15.2	7.4
12	17.2	0.5	16.5	1.4	18.3	7.7	16.4	6.0	19.0	7.8
13	15.0	3.3	17.4	3.2	16.8	8.0	18.0	8.0	17.9	8.4
14	19.5	0.0	14.5	2.5	18.6	6.6	17.5	7.5	19.0	7.1
15	20.0	1.5	19.6	1.4	15.6	7.2	16.8	5.6	16.6	6.8
16	19.4	4.5	20.4	1.7	20.4	4.4	17.5	3.0	18.2	5.2
17	21.0	5.5	21.3	3.6	18.5	6.4	18.4	4.4	19.0	5.4
18	20.0	7.5	20.0	4.0	20.7	7.0	19.3	6.7	20.2	6.1
19	17.0	11.0	18.8	6.4	17.5	9.0	19.8	9.4	20.9	10.8
20	17.2	11.5	16.0	6.5	19.4	12.0	17.8	11.4	17.1	12.2
21	15.5	5.5	14.4	3.1	19.6	7.8	18.4	5.2	20.2	7.4
22	18.5	2.8	14.0	0.6	17.5	5.5	16.5	5.1	17.8	6.4
23	17.5	3.5	13.6	-0.2	18.0	3.6	17.4	3.2	17.8	4.8
24	16.0	2.5	15.5	2.7	17.5	4.4	17.3	5.0	18.6	5.8
25	16.4	3.0	12.4	3.6	18.7	5.0	18.5	3.3	18.7	5.0
26	15.0	3.0	12.8	-1.0	16.5	4.0	16.0	4.6	17.1	4.0
27	13.0	0.0	13.2	-1.0	14.5	2.3	14.8	2.0	14.8	2.6
28	15.0	0.0	10.5	-2.3	14.5	-0.3	13.2	0.8	15.5	1.4
29	14.5	-1.8	13.4	-3.8	15.0	-1.6	13.4	-0.8	14.3	0.4
30	15.0	-2.8	12.0	-1.0	14.6	-2.0	13.2	-2.0	14.1	-0.5
31	14.5	0.0	13.2	2.1	15.2	1.7	12.0	1.5	14.5	0.5
MEANS	17.0	4.3	15.9	2.5	17.8	6.4	16.9	6.0	17.6	6.9
NORMAL	17.1	6.2	14.5	2.6	19.1	7.0	18.4	5.0	18.7	7.2

EXTREME TEMPERATURES

STATION	HIGHEST MAX.	DAY	YEAR	LOWEST MIN.	DAY	YEAR
KHANAQIN	27.8	2nd.	1956	-5.0	25th.	1941
RUTBAH	26.0	4th.	1956	-8.9	28th. & 5th.	1932 1941
HAI	28.9	1st.	1943	-4.6	12th.	1956
DIWANIYA	27.8	1&4th.	1943	-5.6	30th.	1948
NASIRIYA	28.2	5th.	1956	-5.0	6th.	1941

DECEMBER 1957

TABLE 4

MONTHLY MEAN DRY BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	7.6	6.5	8.4	14.0	16.1	12.9	10.0	8.3	10.5
MOSUL	4.5	4.0	5.7	9.9	12.4	9.0	6.6	5.2	7.2
KIRKUK	7.3	6.8	9.4	13.1	14.1	10.7	8.7	7.8	9.7
KHANAQIN	...	6.6	8.9	15.1	16.1	12.3	9.7	...	11.5
RUTBAH	4.7	3.3	5.6	12.9	14.6	11.8	8.1	6.0	8.4
HAI	8.0	7.3	9.9	15.8	16.8	12.0	10.7	8.9	11.4
DIWANIYA	7.4	6.7	9.9	14.8	16.2	12.7	9.9	...	11.1
NASIRIYA	5.2	7.6	10.0	15.4	16.8	13.4	10.0	9.2	11.0
BASRAH	10.2	9.3	11.9	16.6	17.7	14.0	12.3	11.0	12.9
HABBANIYA	7.1	6.5	8.1	13.3	15.5	12.1	9.3	8.2	10.1

TABLE 5

MONTHLY MEAN WET BULB TEMPERATURES (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	6.2	5.7	7.0	10.3	11.0	9.6	8.0	6.9	8.1
MOSUL	3.9	3.4	4.9	7.3	8.5	6.9	5.4	4.4	5.6
KIRKUK	5.9	5.5	7.2	8.8	9.3	7.9	6.9	6.1	7.2
KHANAQIN	...	5.8	7.6	11.7	12.2	10.3	8.4	...	9.3
RUTBAH	3.3	2.2	3.4	7.8	8.5	7.2	5.1	3.9	5.2
HAI	6.9	6.3	8.3	11.5	11.7	10.0	8.7	7.5	8.9
DIWANIYA	6.4	5.9	8.3	10.9	11.4	9.7	8.1	...	8.8
NASIRIYA	7.2	6.5	8.3	11.2	11.6	10.4	8.9	7.6	9.0
BASRAH	9.2	8.6	10.4	13.2	13.7	12.0	10.9	9.9	11.0
HABBANIYA	6.6	6.0	7.4	11.0	11.9	10.3	8.3	7.5	8.6

TABLE 6

MONTHLY MEAN PRESSURE (IN MILLIBARS AT M.S.L.) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	21.3	20.2	22.1	20.7	20.0	20.3	21.0	21.3	1020.9
MOSUL	22.3	22.7	23.7	22.8	21.2	21.6	22.5	22.8	1022.5
KIRKUK	21.4	21.3	22.1	20.9	19.8	20.7	21.6	21.7	1020.3
KHANAQIN	....	20.8	21.3	20.0	18.7	19.2	20.4	....	1020.1
RUTBAH	19.7	20.7	21.9	20.6	19.1	20.1	21.3	20.9	1020.5
HAI	20.1	20.3	21.6	20.5	19.4	19.9	20.6	20.5	1020.4
DIWANIYA	21.0	21.2	22.6	21.4	20.0	20.5	21.4	....	1021.2
NASIRIYA	20.3	20.4	21.7	20.6	19.4	20.0	20.7	20.6	1020.5
BASRAH	20.2	20.4	21.8	21.0	19.7	20.1	20.7	20.5	1020.8
HABBANIYA	21.1	21.4	22.3	21.8	20.3	20.5	21.3	21.2	1021.2

TABLE 7

MONTHLY MEAN RELATIVE HUMIDITY (IN PERCENTAGE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	81	90	81	64	54	65	80	82	75
MOSUL	90	92	86	70	61	74	85	89	81
KIRKUK	80	83	73	60	54	69	78	78	72
KHANAQIN	..	87	82	65	60	78	82	..	76
RUTBAH	81	85	75	50	39	52	63	73	65
HAI	86	87	81	61	54	69	76	81	74
DIWANIYA	88	88	81	64	56	69	80	..	75
NASIRIYA	84	86	80	61	54	69	75	81	74
BASRAH	87	91	82	65	61	78	84	86	79
HABBANIYA	93	94	90	74	64	78	87	91	84

TABLE 8 DECEMBER 1957

MONTHLY MEAN VAPOUR PRESSURE (IN MILLIBARS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	9.3	9.0	9.3	10.3	9.9	9.9	9.8	9.3	9.6
MOSUL	7.9	7.7	8.4	8.7	8.7	8.7	8.5	8.1	8.3
KIRKUK	8.5	8.5	8.9	8.9	8.8	9.1	9.0	8.6	8.8
KHANAQIN	...	8.8	9.7	11.4	11.2	11.2	10.2	...	10.4
RUTBAH	7.0	6.7	6.9	7.3	6.8	7.3	7.0	6.9	7.0
HAI	9.5	9.3	10.2	11.0	10.5	10.6	10.2	9.7	10.1
DIWANIYA	9.0	9.0	10.2	10.8	10.5	10.4	10.0	...	10.0
NASIRIYA	9.6	9.3	10.1	10.7	10.5	10.9	10.3	9.8	10.2
BASRAH	11.1	10.9	11.6	12.5	12.6	12.7	12.2	11.5	11.9
HABBANIYA	9.6	9.4	10.0	11.4	11.3	11.2	10.4	10.0	10.4

TABLE 9

MONTHLY MEAN DEW POINT (IN CENTIGRADE) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	5.3	4.4	5.5	6.7	6.0	6.3	6.0	5.3	5.7
MOSUL	3.4	2.7	3.8	4.4	4.4	4.5	4.1	3.5	3.9
KIRKUK	4.0	3.9	4.6	5.1	4.2	4.8	4.9	4.1	4.5
RUTBAH	1.5	0.9	1.3	2.0	1.0	1.9	1.4	1.3	1.4
HAI	5.7	5.3	6.6	7.7	6.9	7.0	6.4	5.8	6.4
DIWANIYA	5.4	5.0	6.6	7.4	6.9	6.8	6.4	...	6.4
NASIRIYA	5.8	5.2	6.6	7.3	6.6	7.6	6.9	6.1	6.5
BASRAH	8.1	7.8	8.9	9.9	9.9	10.2	9.5	8.7	9.1
HABBANIYA	6.0	5.5	6.4	8.5	8.3	8.3	7.1	6.5	7.1

TABLE 10

MONTHLY MEAN LOW CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	2.6	3.0	3.2	3.3	3.4	3.7	2.5	2.1	3.0
MOSUL	3.3	3.3	2.5	2.9	2.8	2.4	2.3	2.7	2.8
KIRKUK	2.3	2.5	2.1	2.2	2.2	2.5	2.5	2.5	2.4
KHANAQIN	...	2.5	1.0	2.3	2.1	2.0	2.0	...	2.0
RUTBAH	0.7	1.2	0.9	1.4	2.2	1.5	0.8	0.7	1.2
HAI	0.5	1.2	1.4	1.8	1.3	0.8	0.8	0.3	1.0
DIWANIYA	0.3	1.2	1.2	1.4	1.2	0.8	0.2	...	0.9
NASIRIYA	1.0	1.8	2.3	2.1	2.0	1.0	0.5	0.8	1.4
BASRAH	1.0	0.9	1.1	1.0	0.8	0.9	0.5	0.5	0.8
HABBANIYA	0.8	1.6	2.0	1.8	1.5	1.2	0.7	0.6	1.3

TABLE 11

MONTHLY MEAN TOTAL CLOUD (IN OKTAS) FOR EACH 3 HOURS

STATION	0000	0300	0600	0900	1200	1500	1800	2100	MEANS
BAGHDAD	0.5	1.0	1.2	1.5	1.4	0.8	0.7	0.5	1.0
MOSUL	3.9	4.0	4.1	4.5	4.2	3.8	3.4	3.7	4.0
KIRKUK	3.2	3.7	3.3	3.5	3.7	4.1	3.2	3.5	3.5
KHANAQIN	...	3.1	2.3	3.3	4.0	4.0	3.0	...	3.3
RUTBAH	2.0	2.7	3.0	3.6	4.5	3.7	2.3	2.1	3.0
HAI	2.3	3.1	4.1	3.8	3.5	2.9	2.5	2.0	3.0
DIWANIYA	1.5	3.2	3.5	3.3	3.2	2.6	1.4	...	2.7
NASIRIYA	2.5	3.4	3.6	4.0	4.1	3.0	1.8	1.4	3.0
BASRAH	2.5	3.3	4.3	3.8	4.0	4.3	2.6	2.1	3.4
HABBANIYA	2.5	3.7	3.8	3.7	3.5	3.3	2.7	2.6	3.2

SURFACE WIND - NUMBER OF OBSERVATIONS OF :-

B A G H D A D

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	2	0	2	2	5	0	4	12	4	27	0	0	0	5
0300	2	1	3	2	1	0	7	12	3	27	1	0	0	5
0600	0	1	2	2	3	1	0	14	0	29	2	0	0	6
0900	4	0	3	1	3	1	0	11	0	27	4	0	0	9
1200	2	1	2	0	0	2	5	19	0	20	11	0	0	9
1500	1	2	0	3	1	2	0	13	1	30	0	0	0	5
1800	0	1	1	3	1	2	6	13	4	26	1	0	0	5
2100	0	0	1	4	2	1	4	14	5	26	0	0	0	4
TOTAL	11	6	14	17	16	9	50	100	17	212	19	0	0	6

M O S U L

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	4	2	3	0	1	1	6	4	10	21	0	0	0	3
0300	11	3	0	1	2	0	1	6	7	23	1	0	0	3
0600	10	1	4	4	1	0	3	5	3	26	2	0	0	4
0900	13	2	5	1	1	0	3	4	2	26	3	0	0	6
1200	10	4	4	1	2	0	6	3	1	28	2	0	0	5
1500	4	1	2	2	3	1	0	5	5	25	1	0	0	4
1800	4	4	1	1	2	0	9	3	7	23	1	0	0	3
2100	13	1	3	0	2	0	3	2	7	23	1	0	0	3
TOTAL	69	18	22	10	14	2	39	32	42	195	11	0	0	4

K I R K U K

TIME	DIRECTION								SPEED IN KNOTS					
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	4	18	2	2	2	0	2	0	1	27	3	0	0	5
0300	3	17	2	4	3	0	1	0	1	27	3	0	0	5
0600	3	7	4	4	2	2	2	2	5	25	1	0	0	4
0900	3	1	0	6	3	3	3	10	2	25	3	1	0	5
1200	5	0	0	2	9	0	4	8	3	25	3	0	0	5
1500	8	2	0	5	2	0	2	1	6	21	4	0	0	5
1800	7	15	3	5	0	0	0	1	0	27	4	0	0	5
2100	4	15	3	6	0	0	0	1	2	27	2	0	0	5
TOTAL	37	75	14	34	21	5	14	28	20	204	23	1	0	39

K H A N A Q I N

TIME	DIRECTION								SPEED IN KNOTS					
GMT.	N	NE	E	SE	S	S	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0300	1	0	11	0	2	0	0	0	17	14	0	0	0	2
0600	0	0	11	1	3	1	0	0	15	16	0	0	0	2
0900	5	0	4	0	6	0	5	3	8	22	1	0	0	4
1200	4	0	1	0	7	0	9	6	4	27	0	0	0	5
1500	2	0	1	3	4	0	4	7	10	21	0	0	0	3
1800	3	0	5	2	2	0	3	0	16	15	0	0	0	2
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	15	0	33	6	24	2	21	16	70	115	1	0	0	3

TABLE 12-CONT. DECEMBER 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF:-

RUTBAH

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	0	0	0	1	4	6	5	0	15	14	2	0	0	4
0300	1	0	0	2	4	13	1	0	10	19	2	0	0	5
0600	0	0	0	1	4	14	6	0	6	23	2	0	0	5
0900	0	0	0	1	4	9	11	1	5	19	7	0	0	7
1200	1	0	3	3	3	6	9	4	2	24	5	0	0	8
1500	1	1	2	4	1	2	7	2	11	17	3	0	0	5
1800	1	2	2	3	2	2	6	1	12	14	5	0	0	3
2100	0	0	0	2	4	5	3	1	16	13	2	0	0	3
TOTAL	4	3	7	17	26	57	48	9	77	143	28	0	0	5

HAI

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	1	0	3	1	0	0	21	1	4	22	4	1	0	7
0300	1	0	6	0	1	0	20	0	3	22	6	0	0	7
0600	1	0	3	3	0	1	22	0	1	27	3	0	0	7
0900	1	0	5	1	0	0	20	2	2	18	11	0	0	9
1200	0	0	3	3	0	0	20	3	2	19	10	0	0	9
15003	0	0	4	1	0	0	19	1	6	20	4	1	0	7
1800	0	0	4	1	3	0	18	1	4	23	4	0	0	7
2100	0	0	4	0	0	0	21	1	5	21	5	0	0	7
TOTAL	4	0	32	10	4	1	161	9	27	172	47	2	0	7

DIWANIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	3	0	4	3	0	0	14	5	2	27	2	0	0	5
0300	1	0	4	3	0	0	11	9	3	24	4	0	0	5
0600	5	0	2	3	1	0	10	8	2	26	3	0	0	6
0900	8	0	1	2	2	1	10	6	1	19	10	1	0	10
1200	9	0	2	3	0	0	13	3	1	18	9	3	0	11
1500	3	0	3	2	0	0	14	3	6	22	2	1	0	5
1800	6	0	5	1	0	0	13	4	2	25	4	0	0	6
2100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	25	0	21	17	3	1	85	38	17	161	34	5	0	6

NASIRIYA

TIME	DIRECTION								SPEED IN KNOTS					MEAN
GMT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	>=34	V.K.
0000	1	0	2	6	0	3	6	13	0	30	1	0	0	6
0300	1	0	3	4	2	1	10	10	0	30	1	0	0	5
0600	1	0	0	6	0	1	12	11	0	28	3	0	0	6
0900	2	0	2	2	2	0	10	13	0	25	6	0	0	10
1200	3	0	1	3	0	0	6	18	0	22	9	0	0	10
1500	1	0	2	3	0	0	6	19	0	29	2	0	0	6
1800	1	0	1	3	1	0	8	17	0	28	3	0	0	6
2100	1	1	2	3	3	1	7	13	0	30	1	0	0	6
TOTAL	11	1	13	30	8	6	65	114	0	222	26	0	0	7

ABLE 12-CONT. DECEMBER 1957

SURFACE WIND - NUMBER OF OBSERVATIONS OF:-

B A S R A H

IME	D I R E C T I O N								SPEED IN KNOTS					MEAN
MT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
000	2	0	2	1	0	3	13	6	4	24	3	0	0	4
300	0	0	3	0	0	4	13	6	5	25	1	0	0	3
600	1	0	1	2	0	3	16	2	6	22	3	0	0	5
900	0	1	0	2	2	3	18	2	3	20	7	1	0	8
200	0	2	1	3	0	0	23	2	0	23	8	0	0	9
500	0	1	1	3	0	0	16	7	3	25	3	0	0	5
800	2	0	2	1	0	3	12	10	1	26	4	0	0	4
100	3	2	0	2	0	1	12	9	2	25	4	0	0	4
OTAL	8	6	10	14	2	17	123	44	24	190	33	1	0	5.

H A B B A N I Y A

IME	D I R E C T I O N								SPEED IN KNOTS					MEAN
MT.	N	NE	E	SE	S	SW	W	NW	CALM	1-10	11-21	22-33	≥34	V.K.
000	0	0	4	3	0	0	10	9	5	25	1	0	0	3
300	0	1	2	0	2	1	11	6	0	23	0	0	0	3
600	0	0	5	0	3	0	14	0	1	25	5	0	0	6
900	1	0	2	2	3	2	10	11	0	29	2	0	0	6
200	4	0	1	3	3	0	12	8	0	27	4	0	0	7
500	5	1	4	3	1	0	4	10	3	28	0	0	0	3
800	1	0	2	4	2	0	4	10	0	21	2	0	0	3
100	0	0	2	4	1	1	10	7	6	24	1	0	0	3
TOTAL	11	2	22	19	15	4	75	69	31	202	15	0	0	4

TABLE 13

NUMBER OF CASES OF :-

STATION	RAIN	SNOW	HAIL	THUNDERSTORM	FOG	DUST	CLEAR	CLOUDY
BAGHDAD	4	0	0	2	12	0	10	3
MOSUL	12	0	0	0	7	0	8	9
KIRKUK	5	0	0	0	2	0	10	5
KHANAQIN	8	0	0	2	4	0	13	6
RUTBAH	3	0	0	0	2	0	8	1
HAI	4	0	0	4	9	0	12	3
DIWANIYA	4	0	0	2	5	0	12	1
NASIRIYA	4	0	0	2	4	0	7	0
BASRAH	3	0	0	2	9	0	9	1
HABBANIYA	4	0	1	2	10	0	.	.

TABLE 14 DECEMBER 1957.

DAILY PRECIPITATION UNIT (MILLIMETERS, tr. < 0.05 mm.)

DATE	BAGH-DAD	MOSUL	KIR-KUK	KHANA-QIN	RUTBAH	HAI	DIWA-NIYA	NASI-RIYA	BASRAH	HABBA-NIYA
1				0.2	1.7				tr.	
2	0.6	2.1	0.9		1.2	0.5	0.4	2.7	14.0	0.3
3	5.4	0.3		0.3	1.4	1.5	3.7	0.2	tr.	4.4
4	24.7	15.9	5.1	15.0		21.7	33.6	1.6	5.5	4.5
5		1.2		0.9		tr.	0.3		tr.	
6	0.8	1.7	11.8	0.2		0.3		0.8	0.2	13.8
7		7.2		10.0						
8		3.0	0.4							
9		2.2	tr.	1.0						
10										
11		0.5								
12										
13										
14										
15										
16										
17										
18										
19		0.4	tr.			tr.				
20		tr.	tr.	4.5	tr.					
21										
22										
23										
24		0.4	6.2		tr.					
25		0.2	tr.							
26										
27										
28										
29										
30										
31										
TOTAL	31.5	35.1	24.4	32.1	4.3	24.0	38.0	5.3	19.7	23.0

TABLE 15 DECEMBER 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT (MILLIMETERS)

DATE	ZAKHO	TEL AWAINAT	SINJAR	TELA-FAR	QAYA-RA	ARBIL	CHAM-CHAMAL	SULAI-MANIYA	AL-YAT
1						3.5	3.0		
2			5.0	2.5	2.5				
3	2.7	9.4	4.0		0.2		6.5		2.5
4	1.0		25.5	27.5	0.5		3.0		7.5
5	24.2	23.1				11.5	7.5	29.4	3.5
6	8.7		6.6	1.5	6.5		6.0	24.5	3.4
7			9.0	6.5	0.5	9.1	6.0		20.3
8	14.0	9.7	7.0	7.3	0.5	[illegible]	7.0		14.5
9	13.0	14.5	0.5	2.0		[illegible]	[illegible]	8.5	4.8
10							.0		
11									
12	2.9								
13									
14									
15									
16									
17									
18									
19								6.8	
20								20.2	
21	2.8								
22									
23									
24			0.7		0.[illegible]			5.3	
25								0.1	17.5
26									
27									
28									
29									
30							6.0		
31							3.0		
TOTAL	69.3	56.7	59.5	47.6	17.6	46.4	61.0	94.5	74.0

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS IN IRAQ (MILLIMETERS)

DATE	PEN-JWIN	BAK-RAJO	HALA-BJA	IFTI-KHAR	SALAH-DDIN	SANAT	MIRZA-RUSTAM	SIR-SANK	DIN-KIRD	NAJAF	BAIJI
1	5.0	1.4			12.7						1.9
2					12.7	1.9			0.4	4.0	
3					12.7			0.8		5.0	
4		34.5	20.0		11.4	20.5		5.0	11.8	2.1	7.4
5	13.0	11.0	3.5	11.4	7.6	25.9	1.7	1.1	0.7		
6	35.0	15.6	15.0		12.7	16.7		2.4	14.0		4.8
7	25.0	1.0		7.6	12.7	12.8	1.9	6.6	4.9		
8	8.0				14.0	28.3	0.5	4.0	11.0		
9	10.0	6.5	5.0		12.7	20.9	1.8		2.1		
10	5.0										
11											
12											
13											
14											
15											
16											
17											
18											
19		0.5	6.0			4.2		0.7	13.5		
20	57.0	27.0	17.0		2.5	16.2	2.9	1.3	8.3		
21	15.0					7.4					
22											
23											
24											0.4
25									0.6		
26	6.0										
27											
28											
29											
30											
31											
TOTAL	179.0	97.0	66.5	19.0	111.8	164.8	8.8	21.9	67.3	15.1	14.5

TABLE 15-CONT. (12) DECEMBER 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT(MILLIMETERS)

DATE	ANA	HADITHA	SAMARRA	DIALA	JALAWLAA	SAIDIA	AZIZIYA	BADRAH
1								
2	2.9		1.5				4.0	0.8
3		14.7	tr.					1.0
4	11.2		15.0	21.0		14.0	14.0	8.0
5				5.0	33.0		tr.	
6		18.0	6.0			13.0	tr.	
7	3.5					2.0		
8					30.5			
9								
10					12.7			
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
TOTAL	17.6	32.7	23.0	26.0	76.2	29.0	18.0	10.3

TABLE 15-CONT. DECEMBER 1957

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT(MILLIMETERS)

DATE	HIT	WEST-BAGHDAD	MANDILY	KARBALAA	HINDIYA	HILLA	KUT	AL-AMARA	NUM-ALTHA
1		0.8							
2	tr.				1.[illegible]				0.2
3	10.0	0.5			5.3				1.2
4	26.6	5.1		7.1	10.5	5.2	29.5	35.0	31.0
5		16.5	16.0	7.1		16.2			
6	1.4						tr.	2.3	
7		1.0				0.4			
8									
9									
10									
11									
12									
13									
14									
15		tr.							
16									
17									
18									
19									
20									
21									
22									
23	tr.								
24	tr.								
25									
26									
27									
28									
29									
30									
31									
TOTAL	38.0	23.9	16.0	14.2	16.9	21.8	29.5	37.5	32.4

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT(MILLIMETERS)

DATE	AL-KOTNA	ABI-ALKHASIB	AL-KOFAII	AMARA	SAMAWA	GHABI-SHIYA	MAGIL	DAC	GALT-DIZA
1							2.3		
2	3.4		1.2		0.9			8.4	
3	1.8	16.5	0.3		0.8	13.7	8.9		
4	4.5		15.6	23.5	39.8			13.8	
5							7.1		
6								1.6	
7									
8									10.0
9									12.0
10									15.0
11									10.0
12									
13									
14									
15									
16									
17									
18									
19									28.0
20									22.0
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
TOTAL	9.7	16.5	17.1	23.5	41.5	13.7	18.3	23.8	97.0

BLE 15- CONT. DECEMBER 1957.

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT(IN MILLIMETERS)

TE	AMA-DIA	GALALA	TAQ-TAQ	DOKAN	BERZ-ANJA	DIANA	KANI-SPIKA	SHAQ-LAWA	TUSAN	KIFRI
1		25.0	1.0	0.3	7.5		10.0	[illegible]		
2		10.0		0.3		1.0		1.0		
3										
4				14.0		17.5		30.0		
5			9.0	2.0	30.0	3.3	35.0	7.0		34.0
6			20.0	10.9		11.0	11.0	7.0		
7		28.0	1.0	1.0	25.6	3.3	29.0	33.0		15.0
8		26.0	1.0	10.9	3.5	26.4	4.0	30.0		
9		22.5		1.0	5.5	1.4	7.0			
10					9.0					3.0
11						tr.				
12									[illegible]	
13	4.0									
14	40.5									
15	25.5									
16										
17								tr.		
18										
19		8.0	tr.	1.0		2.1	17.0	5.0		
20		7.5	7.0	2.0	15.0	3.4	39.0			
21			2.0		23.0				3.3	1.0
22										3.0
23										
24			tr.					2.0		
25						1.0		tr.		
26										
27										
28										
29										
30										
31										
TOTAL	81.0	127.0	41.0	43.4	119.1	70.5	152.0	115.0	4.5	55.0

TABLE 15- CONT. DECEMBER 1957.

DAILY PRECIPITATION FOR SELECTED RAINFALL STATIONS UNIT(IN MILLIMETERS)

DATE	KOI SINJAC	MAKHMUR	QADIRKARAM	SIDEKAN	MERGA SOOR	[illegible]
1	8.0					
2	5.0	1.0				3.0
3	3.0					
4	3.0		16.2	33.0	26.0	7.0
5	5.0	7.0		22.0	6.0	
6	19.0		8.0	4.7	20.0	6.0
7	18.0	6.0		7.6	52.0	
8	9.0			22.7		
9	6.0					
10	2.0					
11						
12						
13						
14						
15						
16						
17						
18						
19	7.0			20.0	39.0	
20	3.0		10.0	1.5	5.0	
21						
22						
23						
24						3.0
25						
26						
27						
28						
29						
30						
31						
TOTAL	88.0	14.0	34.2	111.5	148.0	19.0

TABLE 16-

BAHRAIN AIRPORT

Month December

Year 1957.

Frequency of Horizontal Visibility

T I M E - G.M.T.

Visibility	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
0 -200M	3	2	3	2	3	1	1																1	1	17
>200 -500M		1		1		1	1																1		5
>500 -1000M			1	1	1	1	1	1																	6
>1000 -1500M		1			1																				2
>1500 -3000M			1	1	4	2			1	1													1	1	12
>3 -5KM		1			1	3	2	1		1					1/1										10
>5 -10KM	3	2	3	3	4	6	1	2	2		1	1/1	1/1	1/1			1	1	1	1	1		1	2	38
>10 -15KM	3	1	1	2	8	4	7	7	5	4	5	4	2	3	6	7	7	8	9	7	8	8	3	4	123
>15KM	22	23	22	21	9	13	18	20	23	25	25	26	28	27	24	24	23	22	21	23	22	23	24	23	531
TOTAL	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	744

Note

In fields containing two numbers the first one gives the cases with dust in the air. the second number shows the total.

Frequency of Different Heights
Of Cloud-Base (Amount 5-8 Oktas)

T I M E - G.M.T.

Height	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
0 -50M	2	3	3	2	2	1	2	1															1		17
>50 -150M					2	2	1	3	2	1				1										1	13
>150 -300M		1					1	1	2	2	2		1	1	2	1	1							1	16
>300 -500M										1		2				1	1	1							6
>500 -900	1					1			2		1	1						1	1	1			1	1	11
>900M	8	8	11	10	13	16	13	13	11	11	16	14	17	16	18	17	13	11	8	8	7	8	7	7	281

BASRAH AIRPORT

Simultaneous Occurrences Of
Specified Visibility Ranges and Specified Lowest
Cloud Base (≥ 5 Oktas)

HEIGHT METERS	VISIBILITY 0-200M			>200-500M			>0.5-1KM			>1-1.5KM			>1.5-3KM			>3-5KM			>5-10KM			>10-15KM			>15KM			TOTAL		
0-50	2	1	1					1	1																			2	2	2
			4						2																					6
>50-150						1							1															1		1
						1									1															2
>150-300																						1	1	1	1			2	1	1
																								4			1			5
>300-500																								1	1			1		1
																								1			1			2
>500-900																						1						1		
																						1		2				1		2
≤ 5/8 OR	11	1			1							1				2	3	3	1	2	2	6	22	21	18			28	29	27
>900															1			1		3	1	5	23	28	24			27	30	29
AND ≥ 5/8			2			1								1		3	1		9	6	6	35	21	23	180			30	31	231
	3	2	1		1	1		1	1				1			2	3	3	1	3	2	7	22	21	18			31	31	31
Total													1		1			1		4	2	7	25	28	24			31	31	31
			6			2			2					2		3	1		9	9	8	42	21	23	182			31	31	248

NOTE

The nine fields for each combination of visibility and height contain the number of different times using the following model:

00	03	06
09	12	15
18	21	To

G.M.T.

To=Total for all hours

* ALL CASES WITH CLOUD AMOUNT OF LESS THAN 5/8 ARE ENTERED HERE.